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February 21, 2019

Via Electronic Filing

OREGON PUBLIC UTILITY COMMISSION
ATTENTION: FILING CENTER
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**RE: Docket No. UP 384 & UP 391 – In the Matter of
SUNRIVER WATER, LLC and NW NATURAL WATER OF OREGON,
Joint Application for Approval of the Sale of Sunriver Water, LLC.**

Attached are Staff Responsive Testimony and exhibits:

Exhibit 100 Redacted:

page 21 is highly-confidential and page 35 is confidential

Exhibit 101

Exhibit 102 is confidential and

Exhibit 103.

Confidential and highly-confidential documents are being mailed today via
U.S. first class mail.

/s/ Kay Barnes

Kay Barnes

PUC- Utility Program

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CERTIFICATE OF SERVICE

UP 384 & UP 391

I certify that I have, this day, served the foregoing document upon all parties of record in this proceeding by delivering a copy in person or by mailing a copy properly addressed with first class postage prepaid, or by electronic mail pursuant to OAR 860-001-0180, to the following parties or attorneys of parties.

Dated this 21st day of February, 2019 at Salem, Oregon



Kay Barnes
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CASE: UP 384 & UP 391
WITNESS: STEPHANIE YAMADA

**PUBLIC UTILITY COMMISSION
OF
OREGON**

STAFF EXHIBIT 100

Staff Responsive Testimony

February 21, 2019

1 **Q. Please state your name, occupation, and business address.**

2 A. My name is Stephanie Yamada. I am a Senior Utility Analyst employed in the
3 Telecommunications and Water Division of the Public Utility Commission of
4 Oregon (OPUC). My business address is 201 High Street SE., Suite 100,
5 Salem, Oregon 97301.

6 **Q. Please describe your educational background and work experience.**

7 A. My Witness Qualification Statement is found in Exhibit Staff/101.

8 **Q. What is the purpose of your testimony?**

9 A. The purpose of my testimony is to describe OPUC Staff's (Staff)
10 recommendations regarding the joint application by Sunriver Water, LLC
11 (SRW) and NW Natural Water of Oregon, LLC (Oregon Water) for approval of
12 the sale of SRW to Oregon Water. My testimony also addresses SRW's
13 application to transfer certain assets currently owned by SRW to Sunriver
14 Resort Limited Partnership (SRLP) in conjunction with the sale of SRW. These
15 applications are addressed in Docket Nos. UP 384 and UP 391, respectively.

16 **Q. Did you prepare an exhibit for this docket?**

17 A. Yes. I prepared Exhibit Staff/101, consisting of one page, Exhibit Staff/102,
18 consisting of seven pages, and Exhibit Staff/103, consisting of 188 pages.

19 **Q. How is your testimony organized?**

20 A. My testimony is organized as follows:
21

1	Issue 1 ----- Background	3
2	Issue 2 ----- Summary of Applicants' Request	6
3	Issue 3 ----- Staff's Summary Recommendation	8
4	Issue 4 ----- Staff's Review of Applicants' Request	13
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1

ISSUE 1 ----- BACKGROUND

2

Q. Please describe SRW.

3

A. SRW is a rate- and service-regulated water utility providing water service to approximately 4,722 customers in the vicinity of Sunriver, OR. SRW serves a resort community that includes full- and part-time residences, multi-family condominiums, a hotel, commercial areas, golf courses, and recreational facilities. The system was constructed in 1968 and began providing water service in 1969. SRW is currently 100 percent owned by Sunriver Resort Limited Partnership (SRLP). SRLP also owns Sunriver Environmental, LLC (SRE), which provides wastewater services to customers in the Sunriver community. SRE is not regulated for either rates or service by the OPUC.

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Q. Please describe Oregon Water.

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A. Oregon Water is 100 percent owned by NWN Water, LLC (NWN Water).¹

14

NWN Water is, in turn, 100 percent owned by Northwest Natural Holding

15

Company (HoldCo) and is a “sister” affiliate to NWN Gas.² The formation of

16

HoldCo was approved by the Commission with Order No. 17-526 in Docket

17

No. UM 1804, on December 28, 2017. The purpose of the corporate

18

reorganization of NWN Gas and formation of HoldCo was in part to facilitate a

19

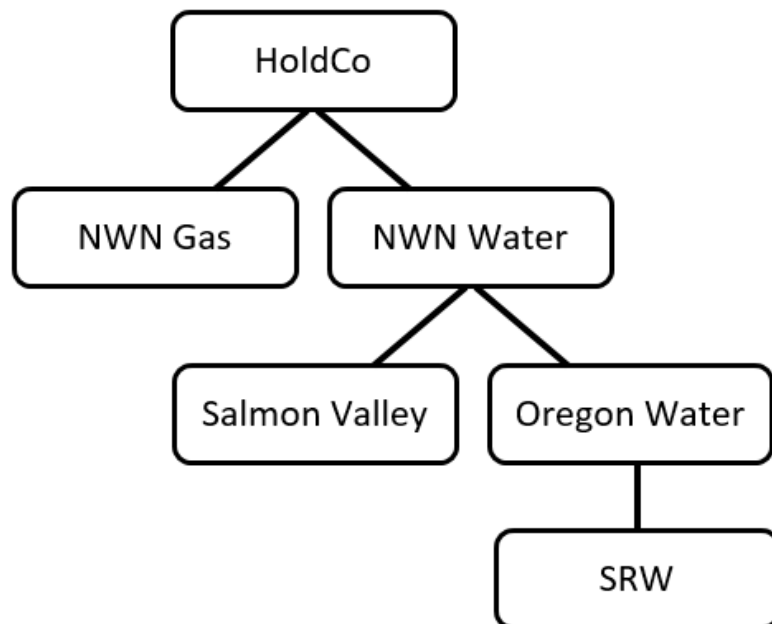
growth strategy involving the acquisition of water utilities.³ The Commission

¹ UP 384 Amended Application, Page 1, Lines 9-10. Staff notes that on December 21, 2018, the Joint Applicants amended their initial application to reclassify certain information from confidential to highly confidential. This did not change the substance of the application, but rather, the level of confidentiality afforded to certain information and the references to that information in the application.

² UP 384 Amended Application, Page 1, Lines 8-9.

³ UP 384 Amended Application, Page 1, Lines 10-12.

1 previously approved the sale of Salmon Valley Water Company to NWN Water
 2 with Order No. 18-358 in Docket No. UP 362, on September 26, 2018. Under
 3 the proposed transaction in this case, Oregon Water would become the
 4 100 percent owner of SRW. The diagram below shows the relevant portions of
 5 the proposed corporate ownership chain that would apply to SRW following the
 6 close of the proposed transaction.



7
 8 **Q. Why does SRLP propose to sell SRW to Oregon Water?**

9 A. The UP 384 Application states that SRLP proposes to sell SRW because
 10 “[w]hile the utility business supports its ongoing businesses, the utility is not the
 11 current owner’s primary focus.”⁴ SRLP’s primary business is the operation of
 12 Sunriver Resort and its associated properties and amenities.⁵

13 **Q. Why does Oregon Water propose to purchase SRW?**

⁴ UP 384 Amended Application, Page 8, Lines 4-6.

⁵ UP 384 Amended Application, Page 8, Lines 3-4.

1 A. As mentioned previously, the acquisition of water utilities is an important part of
2 NWN Gas and HoldCo's long-term growth strategy. The UP 384 Application
3 states that "[f]or Oregon Water, the acquisition of SRW represents an important
4 advancement in its plan to enter the water utility business, and is therefore
5 consistent with the strategy for growth as described in NW Natural's request for
6 corporate reorganization."⁶ Oregon Water further states that through its water
7 utility acquisition strategy, it "hopes to benefit the customers of SRW by
8 providing a long-term ownership arrangement that will allow for the appropriate
9 oversight of and ongoing investment in its water business."⁷

⁶ UP 384 Amended Application, Page 10, Lines 12-14.

⁷ UP 384 Amended Application, Page 10, Lines 10-11.

ISSUE 2 ----- SUMMARY OF APPLICANTS' REQUEST**Q. Please describe the application being addressed with Docket****No. UP 384.**

A. The application addressed with Docket No. UP 384 (UP 384 Amended Application) was filed jointly by SRW and Oregon Water (Joint Applicants) on October 23, 2018. The Joint Applicants later filed replacements to certain sheets in the UP 384 Application on December 21, 2018, in order to properly reference the designation of confidential information in accordance with the modified protective order. With the UP 384 Amended Application, the Joint Applicants request Commission approval for the sale of SRW to Oregon Water. The proposed sale is structured as a membership interest purchase agreement in which Oregon Water would purchase 100 percent of the membership interests in SRW. Currently, SRLP owns 100 percent of the membership interests in SRW.

Q. Please describe the application being addressed with Docket**No. UP 391.**

A. The application addressed with Docket No. UP 391 (UP 391 Application) was filed by SRW on January 17, 2019. The transaction described in the UP 384 Application would effectively exclude certain SRW-owned assets from the sale of SRW to Oregon Water. As these assets are currently owned by the SRW entity, the UP 391 Application requests Commission approval to transfer those assets from SRW to SRLP.

Q. Have Docket Nos. UP 384 and UP 391 been consolidated?

- 1 A. Yes. With its filing of its UP 391 Application, SRW requested that docket to be
- 2 consolidated with UP 384. The request to consolidate was granted on
- 3 January 17, 2019.

ISSUE 3 ----- STAFF'S SUMMARY RECOMMENDATION**Q. What is Staff's summary recommendation?**

A. As described later in my testimony, Staff is seeking additional information regarding certain outstanding issues in this proceeding, and the resolution of those issues will likely affect Staff's recommendation. Staff expects its recommendation to be further informed by responses to discovery requests that are either outstanding as of the time of this writing, or were received too late to be incorporated into this testimony. For that reason, Staff also encourages the Joint Applicants to address the outstanding issues in their next submission of testimony. In the interim, Staff has identified a number of Conditions to date that it would likely recommend in conjunction with Commission approval of the proposed transactions. Staff's preliminarily recommended Conditions are listed below. It is likely that Staff's recommended Conditions would be modified or added to depending on the resolution of outstanding issues in this proceeding, as discussed further below.

1. SRW will not, at any point in time, be owned by NW Natural Gas Company (NWN Gas) or any subsidiary of NWN Gas.
2. SRW shall provide the Commission access to all books of account as well as all documents, data, and records that pertain to the transfer of properties or to transactions between SRW and Oregon Water or any other affiliate.
3. SRW shall notify the Commission if substantive changes are made to the Membership Interest Purchase Agreement between Oregon Water

1 and SRW (the MIPA), including any material changes in price. Any
2 substantive changes to the MIPA terms that alter the intent or extent of
3 the MIPA from those approved herein shall be submitted for approval in
4 application for a supplemental order (or other appropriate form) in this
5 docket.

6 4. SRW will provide notice to the Commission within 10 days of the close
7 of the sale.

8 5. The Commission reserves the right to review for reasonableness all
9 financial aspects of this arrangement in any rate proceeding.

10 6. SRW will not file a general rate case prior to two years after the closing
11 date of the transaction. SRW will not file to increase any of its rates,
12 charges, or fees prior to its first general rate case filing following the
13 transfer of ownership.

14 7. SRW and Oregon Water (including all of the entities in the HoldCo
15 corporate family) will not seek rate recovery of an acquisition adjustment
16 (or goodwill) for the price paid for Oregon Water's acquisition of SRW.

17 8. Approval of this transaction does not constitute a prudence finding with
18 respect to SRW investments not yet included in rates.

19 9. SRW will file affiliated interest applications pursuant to ORS 757.495
20 and OAR 860-036-2210 within 90 days of closing for any transactions
21 involving affiliates.

22 10. Following the sale, SRW and its parent(s) shall remain separate legal
23 entities.

1 11. SRW will maintain separate financial statements on a stand-alone basis,
2 though SRW's financials may be included in the consolidated financial
3 statements of its parent for financial reporting purposes.

4 12. SRW's books and records shall be available in accordance with the
5 applicable uniform system of accounts, or, as appropriate, generally
6 accepted accounting principles, noting that the water company will
7 utilize a different system of accounts than does its gas affiliate, NWN
8 Gas.

9 13. SRW shall not issue, secure, or guarantee the debt of Oregon Water,
10 NWN Water, NWN Gas, HoldCo, or any other affiliate of SRW as
11 defined in ORS 757.015 without prior approval of the Commission.

12 14. SRW shall not make any short-term loans to any affiliate, except as
13 allowed pursuant to the Commission's affiliated interest statutes and
14 rules.

15 15. SRW shall maintain its assets and liabilities, and books and records
16 relating thereto, in such a manner that ascertaining or identifying its
17 individual assets and liabilities as separate and distinct from those of its
18 parent and affiliates will not entail significant costs or difficulty.

19 16. Oregon Water commits that SRW will not advocate for a higher cost of
20 capital than would have prevailed for SRW absent Oregon Water
21 ownership.

22 17. SRW will track and exclude costs related to the preparation and
23 performance of this transaction from customer rates.

1 18. SRW will track and exclude costs related to the ownership transition
2 from customer rates.

3 19. SRW will not include in rates administrative costs higher than the
4 \$254,729 allowed in Docket No. UI 378 (adjusted for changes in the
5 CPI) unless it can demonstrate that the benefits to customers are
6 greater than or equal to the portion of costs exceeding the UI 378
7 amount.

8 20. In its next general rate proceeding, SRW will demonstrate that all assets
9 transferred to SRLP as described in the UP 391 Application have been
10 removed from customer rates.

11 **Q. Are there outstanding issues in the case that could affect Staff's**
12 **recommendation?**

13 A. Yes. There are outstanding issues in this case regarding a potential Right of
14 First Refusal (ROFR) issue raised by Sunriver Owners Association (SROA) in
15 Docket No. UP 384 and the need to review Oregon Water's and HoldCo's
16 financial fitness to own and operate SRW. There are also outstanding issues
17 regarding the assets proposed to be transferred from SRW to SRLP in
18 conjunction with the proposed sale of SRW in Docket No. UP 391. Specifically,
19 Staff has outstanding concerns regarding the potential need to replace the
20 transferred assets, the potential inclusion of these assets in rates following the
21 transfer, the potential need to compensate SRW customers for the disposal of
22 these assets, and the effects of disposing of these assets on SRW's fire flow

1 capacity. Finally, there are also issues associated with potential increases in
2 the operating costs of SRW.

1 **ISSUE 4 ----- STAFF'S REVIEW OF APPLICANTS' REQUEST**

2 **Q. What standard has the Commission historically applied to transactions**
3 **involving the sale of water utility property?**

4 A. The Commission has historically applied a public interest “no harm” standard in
5 approving water utility transfer applications.⁸ Since the year 2000, the
6 Commission has generally evaluated the no harm standard for water utility
7 acquisitions in the context of four categories:⁹

- 8 1. Scope and Terms of the Asset Purchase Agreement;
- 9 2. Transfer Pricing and Allocation of Gain;
- 10 3. Public Interest Compliance; and
- 11 4. Records Availability, Audit Provisions, and Reporting Requirements.

12 Staff’s review of the four categories shown above is discussed in more detail
13 below.

14 **Q. Please describe the outstanding ROFR issue that relates to this**
15 **proceeding.**

16 A. SROA, which has been granted intervener status in these dockets,¹⁰ has stated
17 that its interest in this proceeding includes a ROFR “or a first offer right in
18 SROA of the ownership interests in Sunriver Water LLC.”¹¹ However, the Joint
19 Applicants state that “[n]either the SROA, SRLP, or SRW has been able to
20 locate an executed ROFR, and SRLP and SRW do not believe that one

⁸ See *In re Cline Butte Water, LLC*, OPUC Docket No. UP 345, Order No. 17-156 at 3-4 (May 1, 2017).

⁹ See OPUC Docket No. UP 345, Stipulating Parties/100, Brock-Bahr/5, Lines 14-20.

¹⁰ See OPUC Docket No. UP 384, Prehearing Conference Memorandum, Page 2.

¹¹ See SROA Petition to Intervene, Page 2, OPUC Docket No. UP 384, filed November 19, 2018.

1 exists.”¹² Staff finds that a ROFR, if it exists, could implicate the “no harm”
2 standard, as discussed more fully below.

3 **Q. Please explain how the ROFR issue discussed previously could affect**
4 **Staff’s review as it pertains to the no harm standard.**

5 A. In its review and application of the no harm standard with regard to water utility
6 property transactions, Staff typically considers the specific effects on
7 customers that could result from transferring ownership of the utility to the
8 proposed purchaser. In this case, the proposed purchaser of SRW is Oregon
9 Water. As such, in its review and application of the no harm standard as it
10 pertains to the sale of SRW, Staff has considered the potential effects resulting
11 from the sale of SRW to Oregon Water. Staff has not considered the potential
12 effects of transferring ownership of SRW to any entity other than Oregon
13 Water, including SROA, should a ROFR be shown to exist. Staff finds that
14 such a review would be inappropriate in the context of this case, and as will be
15 further addressed in briefing, does not understand the Commission to have the
16 jurisdiction to determine the validity of a ROFR should one be produced in this
17 case. However, Staff is concerned that ratepayers could be harmed if the
18 Commission approves the sale of SRW to Oregon Water if a court of general
19 jurisdiction later finds valid a ROFR. To this end, Staff has asked discovery,
20 which remains outstanding at the time of this writing, related to the Joint
21 Applicants’ and SROA’s efforts to locate an executed ROFR. Although this
22 issue informs Staff’s recommendation as to whether the “no harm” standard is

¹² UP 384, Joint Applicants’ Response to SROA’s Petition to Intervene, Page 2, Lines 8-10.

1 met, Staff also finds that delay of this proceeding is inappropriate at this time
2 given the current circumstances.

ISSUE 4.1 ----- SCOPE AND TERMS OF THE PURCHASE AGREEMENT**Q. Please describe the scope and terms of the purchase agreement.**

A. The sale of SRW is structured as a membership interest purchase agreement in which Oregon Water will purchase 100 percent of the membership interests in SRW from SRLP.¹³ For limited liability companies (such as SRW), membership interests are essentially equivalent to corporate stock in that they represent a voting and profit interest in the company. With the UP 384 Application, the Joint Applicants filed a copy of the executed MIPA between SRLP and Oregon Water. The MIPA was executed on October 12, 2018, and Commission approval of the proposed transaction is a condition of closing.¹⁴ The MIPA includes the sale of SRLP's membership interests in SRE as well as those in SRW.¹⁵ As SRE is not regulated by the Commission (as discussed previously), my discussion of Staff's review of the MIPA pertains exclusively to the potential effects of the transaction on SRW and its customers only.

Q. Will the terms of the MIPA result in SRW retaining all utility assets that it currently owns?

A. No. In its UP 391 Application, SRW requests Commission approval to transfer certain assets from SRW to SRLP. As described in the UP 391 Application, the "MIPA expressly contemplates that certain assets of SRW would be transferred to SRLP prior to closing and would not be assets of SRW when that

¹³ UP 384 Amended Application, Page 2, Lines 13-15.

¹⁴ UP 384 Amended Application, Page 2, Lines 19-20.

¹⁵ UP 384 Amended Application, Page 2, Footnote 3.

1 transaction closes.”¹⁶ As SRW is currently owned by SRLP, the transfer of
 2 certain assets from SRW to SRLP effectively represents the exclusion of
 3 certain assets from the proposed sale of SRW to Oregon Water. The assets to
 4 be transferred to SRLP per the terms of the MIPA are summarized in Table 1
 5 below.

6 **Table 1: UP 391 Transferred Assets**

Asset	Net Book Value (as of December 31, 2018)
Well 12 Structures & Additions ¹⁷	\$7,314
Well 12 Equipment ¹⁸	\$9,455
Well 12 Tax Lot (2.47 acres) ¹⁹	Not Provided
Water Right Certificate 85484	Not Provided
Water Right Certificate 85485	Not Provided
Well 4 Structures	\$1,681
Well 4 Tax Lot (0.30 acres) ²⁰	Not Provided
Portion of Fiber Optic Cable/Conduit System ²¹	\$0
Total Identifiable Net Book Value	\$18,450

7
 8 **Q. Why does SRW propose to transfer these assets to SRLP?**

9 A. As described in the UP 391 Application, SRW states that the assets to be
 10 transferred to SRLP “are used for the benefit of SRLP” and “could be retained
 11 by SRLP to promote efficiency in the use of the assets while not affecting
 12 SRW’s ability to serve its other customers.”²² SRW further states that the
 13 transfer of these assets to SRLP will allow SRLP “to efficiently irrigate the

¹⁶ UP 391 Application, Page 1, Lines 14-16.

¹⁷ See Exhibit Staff/103, Yamada/1-2, SRW’s 2nd Amended Response to Staff’s Data Request 2.

¹⁸ *Ibid.*

¹⁹ <https://dial.deschutes.org/Real/Index/186759>.

²⁰ <https://dial.deschutes.org/Real/Index/162239>.

²¹ See Exhibit Staff/103, Yamada/1-2, SRW’s 2nd Amended Response to Staff’s Data Request 2.

²² UP 391 Application, Page 7, Lines 7-8.

1 Crosswater golf course and to control and monitor the irrigation system
2 including the withdrawal of water from Well #12.”²³

3 **Q. Are the assets to be transferred from SRW to SRLP currently used by**
4 **SRW to provide utility services to its customers?**

5 A. Some of the assets to be transferred to SRLP are currently used by SRW to
6 provide utility services to its customers. Namely, Well 12 and its associated
7 structures and equipment are currently used to supply irrigation water to
8 Crosswater Golf Course using Water Rights Certificates 85484 and 85485.²⁴
9 Well 12 is also currently utilized to provide irrigation water the Caldera Springs
10 Owners Association (CSOA) using other water rights held by SRW.²⁵

11 **Q. Following the close of the proposed transaction, how will irrigation**
12 **water be provided to Crosswater Golf Course and CSOA?**

13 A. Following the close of the transaction, irrigation water for Crosswater Golf
14 Course will be provided directly by SRLP (the owner of the golf course) rather
15 than by SRW.²⁶ Furthermore, the “water rights currently used to supply
16 irrigation water to CSOA will be retained by SRW and those water rights will be
17 accessed from other wells and infrastructure retained by SRW to provide
18 irrigation water to CSOA.”²⁷

²³ UP 391 Application, Page 7, Lines 11-12.

²⁴ UP 391 Application, Page 2, Lines 18-19.

²⁵ UP 391 Application, Page 2, Footnote 1.

²⁶ UP 391 Application, Page 3, Lines 16-18.

²⁷ UP 391 Application, Page 2, Footnote 1.

1 **Q. Please describe the current usage of the assets to be transferred to**
2 **SRLP that are not currently utilized by SRW to provide utility services**
3 **to its customers.**

4 A. The portion of fiber optic cable and conduit to be transferred to SRLP is
5 currently utilized by SRLP “as part of the network utilized by the Resort.”²⁸
6 Well 4 and its associated equipment “is no longer in use, has no associated
7 water rights, and does not supply water to the SRW system.”²⁹ The real
8 property associated with Well 4 is currently utilized by SRLP “to launch
9 recreational aquatic crafts for its guests into the Deschutes River.”³⁰

10 **Q. Is the transfer of certain water rights from SRW to SRLP expected to**
11 **affect SRW’s ability to serve its remaining customers?**

12 A. No. The water rights to be transferred from SRW to SRLP are currently used
13 only for the purpose of irrigating the Crosswater golf course and do not affect
14 the domestic water supply.³¹ Furthermore, these water rights “are restricted to
15 use for irrigation of the land that is the golf course,” and “SRW would not be
16 permitted to utilize that water to serve other customers or for other purposes.”³²
17 As such, Crosswater Golf Course is the only current customer of SRW that
18 could potentially be affected by the transfer of Water Rights Certificates 85484
19 and 85485 to SRLP.

²⁸ UP 391 Application, Page 3, Lines 4-5.

²⁹ UP 391 Application, Page 2, Lines 21-22.

³⁰ UP 391 Application, Page 3, Lines 1-2.

³¹ See Exhibit Staff/103, Yamada/3, Oregon Water’s Response to Staff’s Data Request 15.

³² Sunriver Water, LLC/Ex.100, O’Shea/5, Lines 12-13.

1 **Q. Is there expected to be any cost to SRW arising from a need to replace**
2 **the assets that will be transferred to SRLP?**

3 A. Staff understands that, to the extent that these assets are currently useful in
4 the provision of utility services, they will no longer be required by SRW when
5 Crosswater Golf Course ceases to be an irrigation customer of SRW. Although
6 Well 12 is currently used to serve CSOA in addition to Crosswater Golf Course,
7 SRW has stated that it will retain the water rights currently used to provide
8 irrigation water to CSOA and will access those rights using infrastructure that
9 will be retained by SRW.³³ Staff expects its recommendation to be further
10 informed by responses to discovery requests that are either outstanding as of
11 the time of this writing, or were received too late to be incorporated into this
12 testimony.

13 **Q. Does the MIPA contain any unusual or restrictive terms?**

14 A. No. Staff reviewed the MIPA and noted no unusual or restrictive terms to the
15 agreement.

³³ UP 391 Application, Page 2, Footnote 1.

1 **ISSUE 4.2 ----- TRANSFER PRICING AND ALLOCATION OF GAIN**

2 **Q. What is the sales price under the proposed transaction?**

3 A. The combined sales price for SRW and SRE is **[Begin Highly Confidential]**
4 **██████████ [End Highly Confidential]**. The portion of the sales price that is
5 attributable to SRW alone is **[Begin Highly Confidential] ██████████ [End**
6 **Highly Confidential]**.

7 **Q. What is the purchase price associated with the assets to be transferred**
8 **from SRW to SRLP?**

9 A. The Applicants assert that consideration for the assets to be transferred from
10 SRW to SRLP "is part of the overall purchase price reflected in the MIPA."³⁴

11 **Q. Does Staff have outstanding concerns regarding the inclusion of the**
12 **consideration for the transferred assets in the overall purchase price**
13 **reflected in the MIPA?**

14 A. Yes. The MIPA reflects a transaction between Oregon Water and SRLP, and
15 SRW itself does not intend to record any gain or loss associated with the
16 transfer of the assets to SRLP.³⁵ However, it is possible that the costs of the
17 assets to be transferred to SRLP were previously included in the rates of SRW
18 customers, in which case it may be appropriate for SRW customers to be
19 compensated for the disposal of the assets. It may, in turn, be appropriate for
20 SRW to receive consideration from SRLP for the transferred assets at an
21 amount greater than or equal to the net book value of the assets. Staff expects

³⁴ UP 391 Application, Page 6, Lines 12-13.

³⁵ See Exhibit Staff/103, Yamada/4, SRW's Response to Staff's Data Request 45.

1 its recommendation to be further informed by responses to discovery requests
2 that are either outstanding as of the time of this writing, or were received too
3 late to be incorporated into this testimony. Staff requests that the Joint
4 Applicants respond to this issue in their next round of testimony.

5 **Q. What is the net book value of SRW?**

6 A. The net book value of SRW (including the assets to be transferred to SRLP) is
7 \$2,548,589.³⁶ The net book value of SRW excluding the assets to be
8 transferred to SRLP is unknown due to SRW's inability to identify the net book
9 value associated with certain assets, as discussed below. However, Oregon
10 Water has indicated that it will provide the net book value of SRW's assets less
11 those assets that were transferred to SRLP following the close of the proposed
12 transaction.³⁷ Staff's recommended Condition 20 is intended to ensure that the
13 assets being transferred to SRLP are appropriately removed from rate base
14 prior to SRW's next rate adjustment.

15 **Q. What is the net book value of the assets to be transferred from SRW to**
16 **SRLP?**

17 A. As shown in Table 1, the identifiable net book value of the assets is \$18,450.
18 However, the net book value for certain assets to be transferred is not currently
19 known.

20 **Q. Why is the net book value associated with certain assets to be**
21 **transferred to SRLP not provided in Table 1?**

³⁶ UP 384 Amended Application, Page 8, Lines 1-2.

³⁷ See Exhibit Staff/103, Yamada/5, Oregon Water's Response to Staff's Data Request 17.

1 A. The net book value of certain assets to be transferred to SRLP was not
2 provided by SRW. In its UP 391 Application, SRW states that it “is unable to
3 state the prices and net book value for certain of the Assets because those
4 assets are not identifiable on SRW’s fixed asset schedule which is likely the
5 result of being components of other listed assets that were given vague
6 descriptions decades ago.”³⁸

7 **Q. Does Staff have concerns regarding the lack of identifiable net book**
8 **values associated with certain assets described in the UP 391**
9 **Application?**

10 A. Yes. The net book value of these assets remains an outstanding issue in
11 Staff’s analysis. As SRW has indicated that the unidentifiable assets may have
12 been included in SRW’s fixed asset schedule as “components of other listed
13 assets,” Staff has concerns that these assets may remain in SRW’s rate base if
14 not identified and removed. Because the unidentifiable assets consist of land
15 and water rights (neither of which are depreciated for accounting purposes),
16 Staff has further concerns that these assets could remain in SRW’s asset
17 schedules indefinitely if they are currently combined with other non-depreciable
18 assets. The lack of identifiable net book value for certain assets also makes it
19 difficult to assess the amount of consideration that would be appropriate for
20 SRLP to pay to SRW for the assets (if any), which is discussed previously in
21 my testimony.

22 **Q. Will SRW record any gain or loss on the sale of its assets?**

³⁸ UP 391 Application, Page 7, Lines 1-3.

1 A. No. Because the sale of SRW is structured as a sale of equity in the company
2 rather than as a sale of the company's assets, SRW will record no gain or loss
3 associated with the proposed transaction. Furthermore, SRW states that it will
4 not record a gain or loss associated with the transfer of certain assets to SRLP;
5 SRW and SRLP will record the transfer of those assets through an
6 intercompany transfer.³⁹

7 **Q. Will the difference between the purchase price and net book value of**
8 **SRW be reflected in customer rates?**

9 A. No. The UP 384 Amended Application states that "Oregon Water and NWN
10 Water LLC commit that neither entity will propose to include...the difference
11 between the net book value and the purchase price, in customer rates in any
12 future SRW rate case filing."⁴⁰ Furthermore, Staff's recommended Condition 7
13 ensures that no goodwill or acquisition adjustment relating to the proposed
14 transaction will be reflected in customer rates.

³⁹ See Exhibit Staff/103, Yamada/4, SRW's Response to Staff's Data Request 45.

⁴⁰ UP 384 Amended Application, Page 5, Lines 8-11.

ISSUE 4.3 ----- PUBLIC INTEREST COMPLIANCE

1
2 **Q. Are customer rates expected to change as a result of the transfer of**
3 **ownership?**

4 A. No. The UP 384 and UP 391 Applications seek Commission approval to
5 transfer the ownership of certain membership interests and assets relating to
6 SRW; the Applications do not seek Commission approval for any rate change.
7 Commission approval would be required prior to the implementation of any rate
8 change for SRW, and any such rate change would be reviewed in a separate
9 proceeding.

10 **Q. Is the sale of SRW to Oregon Water expected to result in any**
11 **disruption to the customers of SRW?**

12 A. No. The sale of SRW is expected to be seamless from the customers'
13 perspective as no changes to SRW's employees, domestic water services, or
14 billing platforms are anticipated with the proposed change in ownership.
15 Oregon Water has actively taken steps to engage and retain the current
16 employees of SRW, and expects that all existing SRW employees will continue
17 in their current roles following the transfer of ownership.⁴¹ These employees
18 perform functions including office management, customer service, billing, and
19 operations and maintenance support for SRW.⁴² The Joint Applicants state
20 that Gary Hutter, the current manager of SRW, is also expected to continue in
21 his current role following the transfer of ownership.⁴³ As SRW will utilize the

⁴¹ See Exhibit Staff/103, Yamada/6, Oregon Water's Response to Staff's Data Request 18.

⁴² UP 384 Amended Application, Page 3, Lines 14-15.

⁴³ UP 384 Amended Application, Page 3, Lines 11-12.

1 same billing platform under Oregon Water ownership as it currently does under
2 SRLP ownership,⁴⁴ customers are not expected to experience any change in
3 the methods by which bills are issued or paid. All payment methods currently
4 available to customers (online with a credit card or electronic check, automatic
5 payment, mailed check, and in-person payment) will continue to be available to
6 SRW's customers following the close of the sale.⁴⁵ Finally, as SRW will
7 continue to exist "in its current form"⁴⁶ and will retain its current business name
8 following the transfer of ownership, the company name that appears on
9 customers' bills will not change.

10 **Q. Does SRLP currently perform any functions related to the operation of**
11 **SRW?**

12 A. Yes. Currently, SRLP provides certain accounting, human resources,
13 information technology, and management services to SRW pursuant to an
14 affiliated interest agreement that was approved by the Commission with Order
15 No. 16-452 in Docket No. UI 378.⁴⁷ The total annual price of such services to
16 SRW that was approved in Docket No. UI 378 is \$254,729.⁴⁸

17 **Q. How will the proposed transaction affect the existing affiliated interest**
18 **agreement between SRW and SRLP?**

⁴⁴ UP 384 Amended Application, Page 4, Lines 12-13.

⁴⁵ Oregon Water/100, Palfreyman/9, Lines 15-19.

⁴⁶ UP 384 Amended Application, Page 3, Line 3.

⁴⁷ See Order No. 16-485 in Docket No. UI 378, SRW's request for approval of an affiliated interest agreement with SRLP.

⁴⁸ *Id.*

1 A. After closing, the existing affiliated interest agreement between SRW and
2 SRLP will be terminated.⁴⁹

3 **Q. Following the close of the proposed transaction, who will perform the**
4 **functions that are currently performed by SRLP?**

5 A. SRLP will continue to provide services to SRW for up to six months following
6 the close of the sale, unless Oregon Water determines that those services are
7 not required for the entire six-month term.⁵⁰ In conjunction with the MIPA,
8 Oregon Water and SRLP have entered into a Transition Services Agreement
9 governing the provision of services from SRLP to SRW during this six-month
10 period.⁵¹ The Transition Services Agreement “is intended to allow for a post-
11 closing transition period of up to six months in which SRLP will continue to
12 provide certain services for SRW as needed.”⁵² Following the period during
13 which the Transition Services Agreement is applicable, the functions previously
14 performed by SRLP are expected to be replaced by Oregon Water.⁵³

15 **Q. Is there expected to be an increased cost to customers arising from**
16 **the Transition Services Agreement between Oregon Water and SRLP?**

17 A. No. While Oregon Water and SRLP have entered into the Transition Services
18 Agreement to smooth the ownership transition process, Oregon Water has
19 committed that “it will not propose to include any incremental costs relating to
20 the transfer of ownership as described in the Transition Services Agreement in

⁴⁹ UP 384 Application, Page 3, Line 6.

⁵⁰ UP 384 Application, Page 3, Lines 8-10.

⁵¹ See Appendix B to MIPA.

⁵² See Oregon Water/100, Palfreyman/8, Line 27 to Oregon Water/100, Palfreyman/9, Lines 1-2.

⁵³ See Exhibit Staff/103, Yamada/7, Oregon Water’s Response to Staff’s Data Request 19.

1 customer rates in any future ratemaking proceedings.”⁵⁴ Staff’s recommended
2 Condition 18 is also intended to ensure that costs relating to the transition of
3 ownership are excluded from customer rates.

4 **Q. Following the termination of the Transition Services Agreement, are**
5 **the functions currently performed by SRLP expected to be replaced by**
6 **Oregon Water and its affiliates anticipated to be at a similar cost to that**
7 **approved in Docket No. UI 378?**

8 A. Yes. Oregon Water states that it “does not expect any incremental cost
9 burdens to be placed on SRW as a result of the change of ownership, and
10 anticipates that the shared services and functions currently provided by SRLP
11 will be replaced by NW Natural under a similar shared services agreement at
12 an equivalent overall cost.”⁵⁵ Oregon Water states that, under its ownership,
13 SRW “be subject to certain allocations from Northwest Natural Gas Company
14 and Northwest Natural Holdings under Northwest Natural Gas Company’s Cost
15 Allocation Manual.”⁵⁶ Oregon Water asserts that “taken as a whole, however,
16 all of the management costs for Sunriver Water, LLC are expected to be
17 consistent with the existing management costs.”⁵⁷ Staff’s recommended
18 Condition 19 is also intended to ensure that the cost of services provided by
19 Oregon Water and its affiliates does not unreasonably exceed the cost of
20 similar services currently provided by SRLP. As mentioned previously, all

⁵⁴ See Exhibit Staff/103, Yamada/8, Oregon Water’s Response to Staff’s Data Request 35.

⁵⁵ Oregon Water/100, Palfreyman/9, Lines 5-8.

⁵⁶ See Exhibit Staff/103, Yamada/7, Oregon Water’s Response to Staff’s Data Request 19.

⁵⁷ *Ibid.*

1 costs will be reviewed for prudence during SRW's next general rate proceeding
2 prior to inclusion in customer rates.

3 **Q. Is the sale of SRW expected to result in an increase in operating costs**
4 **associated with providing water utility services?**

5 A. Oregon Water has indicated that it does not expect incremental cost burdens to
6 be placed on SRW as a result of the transfer of ownership. However,
7 outstanding issues remain regarding the effects of 1) the proposed construction
8 of a standalone IT network for SRW, 2) the proposed addition of a new general
9 manager position, and 3) the impact on the SRW revenue requirement of the
10 reduction in the allocation of common costs to Crosswater Golf Course. Staff
11 expects its recommendation to be further informed by responses to discovery
12 requests that are either outstanding as of the time of this writing, or were
13 received too late to be incorporated into this testimony.

14 **Q. Is the sale of SRW expected to result in an increase in capital costs**
15 **associated with providing water utility services?**

16 A. No. Staff's recommended Condition 16 is intended to ensure that capital costs
17 do not increase as a result of the transfer of ownership. As a subsidiary of
18 HoldCo (a public company), SRW is also expected to have more ready access
19 to capital than it has under SRLP ownership.⁵⁸ Staff expects its
20 recommendation to be further informed by responses to discovery requests
21 that are either outstanding as of the time of this writing, or were received too
22 late to be incorporated into this testimony.

⁵⁸ See Exhibit Staff/103, Yamada/9, Oregon Water's Response to Staff's Data Request 47.

1 **Q. Are customers expected to be affected by costs relating to the**
2 **preparation and performance of the proposed transaction?**

3 A. No. The Joint Applicants state that “Oregon Water and NWN Water LLC
4 commit that neither entity will propose to include any research and due
5 diligence, negotiation, or other acquisition costs...in customer rates in any
6 future SRW rate case filing.”⁵⁹ Staff’s recommended Condition 17 is also
7 intended to ensure that costs relating to carrying out the proposed transaction
8 are excluded from customer rates.

9 **Q. What is the purchaser’s source of funds for the proposed transaction?**

10 A. HoldCo will provide funds to NWN Water, which will in turn provide funds to
11 Oregon Water to complete the proposed transaction.⁶⁰

12 **Q. Is the purchaser financially able to successfully acquire SRW?**

13 A. The Joint Applicants state that “Oregon Water is financially able to acquire
14 SRW” as Oregon Water will be indirectly funded by HoldCo to carry out the
15 proposed transaction.⁶¹

16 **Q. Did Staff review the purchaser’s financial statements?**

17 A. No. Oregon Water’s “financial statements will not be available until March 1,
18 2019.”⁶² Oregon Water has indicated that it will provide HoldCo’s and Oregon
19 Water’s financial statements when they become available, and Staff will review

⁵⁹ UP 384 Amended Application, Page 5, Lines 8-11.

⁶⁰ UP 384 Amended Application, Page 9, Lines 3-4.

⁶¹ UP 384 Amended Application, Page 9, Lines 3-5.

⁶² Oregon Water/100, Palfreyman/11, Lines 10-11.

1 them at that time. Staff's review of the purchaser's financial statements
2 remains an outstanding issue in this case.

3 **Q. Will any funds from ratepayers of NWN Gas be used toward the**
4 **proposed transaction?**

5 A. Oregon Water states that "[n]o funds derived from ratepayers of Northwest
6 Natural Gas Company will be used toward the proposed transaction."⁶³

7 **Q. Does the purchaser possess experience with the operation of water**
8 **utilities?**

9 A. Oregon Water itself does not currently own or operate any water utilities; it is a
10 relatively new entity, recently formed for the purpose of acquiring Oregon water
11 utilities under the NWN Water platform.⁶⁴ Oregon Water's parent company,
12 NWN Water, possesses some experience with the operation of water utilities;
13 in line with its water utility acquisition strategy for growth (discussed
14 previously), NWN Water and its subsidiaries began acquiring water utilities in
15 the latter half of 2018. The Idaho Public Utilities Commission approved the
16 sale of Falls Water Company, Inc. to NWN Water on July 10, 2018.⁶⁵ The
17 Washington Utilities and Transportation Commission approved the acquisition
18 of Sea View Water, LLC⁶⁶ and Lehman Enterprises, Inc.⁶⁷ by Cascadia Water,
19 LLC (a wholly-owned subsidiary of NWN Water) on October 11, 2018. The

⁶³ See Exhibit Staff/103, Yamada/10, Oregon Water's Response to Staff's Data Request 22.

⁶⁴ UP 384 Amended Application, Page 2, Lines 1-2.

⁶⁵ See Idaho Public Utilities Commission Order No. 34103 in Case No. FLS-W-18-01.

⁶⁶ See Washington Utilities and Transportation Commission Order No. 01 in Docket UW-180629.

⁶⁷ See Washington Utilities and Transportation Commission Order No. 01 in Docket UW-180630.

1 OPUC approved the sale of Salmon Valley Water Company to NWN Water on
2 September 26, 2018,⁶⁸ and the sale became effective on November 2, 2018.⁶⁹

3 **Q. Does the purchaser possess experience with utility and regulatory**
4 **matters?**

5 A. Oregon Water's affiliate, NWN Gas, possesses extensive experience with utility
6 and regulatory matters. NWN Gas has been providing natural gas services for
7 more than one hundred years, is regulated by the OPUC, and is familiar with
8 the regulatory environment associated with the OPUC. Oregon Water and
9 NWN Water share common executive team members with NWN Gas, "all of
10 whom have substantial experience overseeing the operations of a regulated
11 Oregon utility distribution company."⁷⁰

12 **Q. Have customers been provided notice of the proposed transaction as**
13 **required by OAR 860-036-2120(4)?**

14 A. It is Staff's understanding that customers have not been provided notice of the
15 proposed transaction yet. OAR 860-036-2120(4) requires the water utility to
16 provide written notice to its customers no less than 60 days prior to the closing
17 date of the transaction. Commission approval is required prior to the close of
18 the proposed transaction, and the adopted procedural schedule in Docket
19 No. UP 384 tentatively contemplates a Commission decision by June 24, 2019.
20 Assuming a closing date of June 24, 2019, the 60-day requirement described
21 in OAR 860-036-2120(4) would require SRW to provide notice to its customers

⁶⁸ See OPUC Order No. 18-358 in Docket No. UP 362.

⁶⁹ See NWN Water's Compliance Filing to Staff Condition 4 in Docket No. UP 362.

⁷⁰ UP 384 Application, Page 9, Lines 17-20.

1 no later than April 25, 2019. Staff notes, however, that SROA is an active
2 intervenor in this proceeding, and represents SRW customers.

3 **Q. Has SRW indicated that it intends to provide notice of the proposed**
4 **transaction to its customers in compliance with OAR 860-036-2120(4)?**

5 A. Yes. The Joint Applicants state that “SRW will provide notice of the Proposed
6 Transaction to its customers more than 60 days prior to the closing of the
7 transaction, and will provide a copy to the Commission’s Consumer Services
8 Section. Additionally, SRW will post notice at the utility’s office and on its
9 website.”⁷¹ The Joint Applicants also submitted a draft customer notice with
10 the UP 384 Application. I have reviewed the draft notice and find that it
11 complies with the requirements of OAR 860-036-2120(4).

12 **Q. Have any customers of SRW raised concerns regarding the proposed**
13 **transaction?**

14 A. Yes. One customer contacted the OPUC to express opposition to the sale of
15 SRW but did not specify a reason for his opposition. Additionally, a Public
16 Comment Hearing was held in Sunriver on February 7, 2019, during which
17 several customers provided comments regarding the proposed transaction.
18 Concerns expressed by customers at the Public Comment Hearing included
19 the potential for changes to billing methods, whether SRW employees would
20 remain with the utility following the sale, the potential for unnecessary system
21 upgrades under new ownership, fire flow adequacy, and the odor associated

⁷¹ UP 384 Amended Application, Page 6, Lines 8-11.

1 with SRE's wastewater treatment facility. Some customers also expressed
2 support for the proposed sale of SRW to Oregon Water.

3 **Q. Have customers' concerns regarding potential billing changes and the**
4 **retention of current SRW employees been addressed?**

5 A. Yes. The Joint Applicants were present at the February 7 Public Comment
6 Hearing and responded to the customers' comments in person at that time. As
7 discussed previously in my testimony, there will be no billing-related changes
8 associated with the transfer of ownership, and all current SRW employees are
9 expected to remain with SRW. While Oregon Water anticipates that current
10 SRW employees will become employees of Oregon Water following the
11 transfer of ownership, those employees will continue to work out of the SRW
12 offices in Sunriver, as they do today.⁷²

13 **Q. Regarding the customer concern relating to the potential for**
14 **unnecessary system upgrades under new ownership, has Oregon**
15 **Water indicated that it plans to perform system upgrades that would**
16 **not have been performed absent the transfer of ownership?**

17 A. No. SRW's most recent Master Plan, which was prepared in 2011, outlines
18 several well, reservoir, and main line improvements planned through 2019.⁷³
19 Oregon Water has indicated that the "proposed transaction is not anticipated to
20 have any immediate impact on Sunriver Water's Master Plan, but NW Natural
21 Water of Oregon will review and update the Master Plan after the transaction

⁷² See Exhibit Staff/103, Yamada/6, Oregon Water's Response to Staff's Data Request 18.

⁷³ See Exhibit Staff/103, Yamada/11-186, SRW Master Plan, Attachment 1 to Oregon Water's Response to Staff's Data Request 11.

1 closes.”⁷⁴ Oregon Water also provided the current capital expenditure plan
2 developed by SRLP, which **[Begin Confidential]** [REDACTED]

3 [REDACTED] **[End Confidential]**.⁷⁵ Oregon Water
4 has indicated that the plan developed by SRLP “appears reasonable,” but that
5 it will “perform a more thorough review of the system after the transaction
6 closes” to establish its “own views on the long-term capital plan” for SRW.⁷⁶

7 **Q. Did Staff consider the issue of fire flow adequacy in its review of the**
8 **no harm standard in this proceeding?**

9 A. This remains an outstanding issue in this proceeding. Specifically, Staff
10 remains unsure about the extent to which the assets being transferred from
11 SRW to SRLP currently serve as backup or potential backup water sources for
12 the purposes of fire suppression. If those assets could currently be utilized for
13 fire suppression, then SRW’s disposal of those assets could affect fire flow
14 adequacy in the Sunriver community. Staff requests that the Joint Applicants
15 address this issue in their next round of testimony.

16 **Q. Did Staff consider wastewater facility odors in its review of the no**
17 **harm standard in this proceeding?**

18 A. No. Staff did not consider the wastewater facility odors in its review of the no
19 harm standard as it pertains to the sale of SRW because the wastewater
20 facility is not owned by SRW, nor is it regulated by the Commission.

⁷⁴ See Exhibit Staff/103, Yamada/187, Oregon Water’s Response to Staff’s Data Request 11.

⁷⁵ See Exhibit Staff/102, Yamada/1-7, Confidential Attachment 1 to Oregon Water’s Response to Staff’s Data Request 30.

⁷⁶ See Exhibit Staff/103, Yamada/188, Oregon Water’s Response to Staff’s Data Request 28.

CASE: UP 384 & UP 391
WITNESS: STEPHANIE YAMADA

**PUBLIC UTILITY COMMISSION
OF
OREGON**

STAFF EXHIBIT 101

Witness Qualifications Statement

February 21, 2019

WITNESS QUALIFICATION STATEMENT

NAME: Stephanie Yamada

EMPLOYER: Public Utility Commission of Oregon

TITLE: Senior Utility Analyst, Telecommunications and Water Division

ADDRESS: 201 High St SE, Suite 100, Salem, OR, 97301

EDUCATION: Bachelor of Science, Accounting, University of Oregon

EXPERIENCE: I have been employed with the Oregon Public Utility Commission since 2013. I am currently a Senior Utility Analyst in the Telecommunications and Water Division. My responsibilities include leading research and providing technical support on a wide range of technical and policy issues for water and telecommunications companies. I have analyzed and addressed numerous telecommunications issues including special contracts, promotional concessions, tariff changes, price listings, numbering issues, service abandonment, and property sales. In water I have analyzed and addressed water issues including tariff changes, property sales, revenue requirement calculations, cost of service, rate spread, and rate design. Finally, I have served as case manager on several water rate cases, and have provided testimony in UW 163, UW 166, and UW 173.

CASE: UP 384 & UP 391
WITNESS: STEPHANIE YAMADA

**PUBLIC UTILITY COMMISSION
OF
OREGON**

STAFF EXHIBIT 102

**Exhibits in Support
Of Testimony**

February 21, 2019

STAFF EXHIBIT 102

IS CONFIDENTIAL AND SUBJECT TO

PROTECTIVE ORDER NO. 18-410.

CASE: UP 384 & UP 391
WITNESS: STEPHANIE YAMADA

**PUBLIC UTILITY COMMISSION
OF
OREGON**

STAFF EXHIBIT 103

Exhibits in Support of Testimony

February 21, 2019

UP 384
Sunriver Water
Second Amended Data Request Response

Request No.: UP 384 OPUC DR 2

2. Page 7 of the Application states that certain utility property currently owned by Sunriver Water, LLC will be retained by Sunriver Resort Limited Partnership under the proposed transaction. Regarding the utility property to be retained by Sunriver Resort under the proposed transaction,

a. Please provide, in spreadsheet format, a comprehensive list of all Sunriver Water, LLC property (including water rights) to be retained by Sunriver Resort Limited Partnership under the proposed transaction. For each item listed, please include:

- i. The original cost of the asset,
- ii. The date on which it was placed into service, and
- iii. The book value of the asset as of the most recent date for which records are readily available.

b. Does Sunriver Water, LLC expect to file an application for PUC approval to transfer these assets from Sunriver Water, LLC to Sunriver Resort Limited Partnership? Please explain why or why not.

Amended Response:

a. The assets that will be retained by Sunriver Resort LP under the proposed transaction are identified on the attached spreadsheet. This has been updated (1) to reflect updated values as of Dec. 31, 2018 that were not available before and (2) to provide values for the Well 4 Building (System #4) that were recently identified.

b. On January 16, 2019, Sunriver Water, LLC filed an application for PUC approval to transfer these assets from Sunriver Water, LLC to Sunriver Resort Limited Partnership, which has been assigned Docket UP 391.

List of Proposed Sunriver Water, LLC assets retained by Sunriver Resort Limited Partnership

System #	Description	PUC Acct#	GL Account	Tax Book		as of 12/31/18
				In Service value	In Svc date	Tax book value
447	Crosswater Well Structures	307	5023-001-1630-0000	37,305.00	2/28/1995	6,714.90
449	Crosswater Well Equipment	307	5023-001-1634-3580	52,528.00	2/28/1995	9,455.04
474	CW Well Additions	307	5023-001-1632-9220	3,330.00	1/31/1997	599.40
658	Crosswater Valve Boxes	331	5023-001-1632-9220	3,601.98	10/31/2011	-
589	Well 12 Telemetry	347	5023-001-1634-2605	5,470.67	10/1/2008	-
4	Well 4 Building	304	5023-001-1630-0000	9,337.00	7/1/1998	1,680.66
507	Fiber and Conduit running from Meadows Maintenance building, through Booster 1 and Woodlands Maintenance building, to the Treatment Plant	347	5023-001-1634-2605	78,751.16	11/1/2001	-
Totals				190,323.81		18,450.00

Additional assets for which values could not be identified:

Taxlot201106DC00400
 Taxlot201108B000300
 Water Right Certificate 85484 (Permit G-9007)
 Water Right Certificate 85485 (Permit G-5610)



Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 15

15. Will the retention of certain water rights by Sunriver Resort Limited Partnership affect Sunriver Water, LLC's ability to maintain sufficient capacity to meet customer demands? Please explain why or why not.

Response:

No. The two water rights that will be retained by Sunriver Resort Limited Partnership are currently used to irrigate Crosswater golf course and are not used to provide domestic water service. Those rights will continue to be used for golf course irrigation following the closing of this transaction, so there will be no change in the instantaneous rate or annual volume of water available to supply Sunriver Water, LLC's water system for providing domestic water service.

The water rights that will be retained by Sunriver Resort Limited Partnership are authorized to irrigate a combined total of 108.89 acres. The water rights identify the specific acres that are authorized to be irrigated.

UP 384/UP 391
Sunriver Water, LLC
Data Request Response

Request No.: UP 384 OPUC Staff DR 45

45. Will SRW record a gain or loss associated with the transfer of certain assets to SRLP? If so, please provide the anticipated amount of such gain or loss.

Response:

No, SRW will not record a gain or loss associated with the transfer of certain assets to SRLP. SRW and SRLP will record the transfer of those assets through an intercompany transfer.

 **NW Natural®**
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 17


17. Page 8 of the Application states that the “net book value of SRW’s assets is \$2,548,589 million.” Does this amount include any assets to be retained by Sunriver Resort Limited Partnership? If yes, please provide the net book value of the assets that Sunriver Water, LLC will possess following the transfer of ownership, excluding the value of any assets to be retained by Sunriver Resort Limited Partnership.

Response:

Yes, the \$2,548,589 net book value of SRW’s assets includes the following retained assets.

1. That portion of the Owned Real Property commonly known as “Well 4” and identified in the Deschutes County, Oregon tax records as tax lot 201106DC00400.
2. That portion of the Owned Real Property commonly known as “Well 12” and identified in the Deschutes County, Oregon tax records as tax lot 201108B000300.
3. The Golf Course Easement.
4. Oregon Water Resources Department Water Right Permit G-9007.
5. Oregon Water Resources Department Water Right Permit G-5610.
6. The fiber optic cable and conduit system located on the Real Property, other than the fiber optic cable and conduit the ownership of which will be transferred to the Purchaser under the Fiber Agreement.

NW Natural Water of Oregon will supplement this response with the net book value of SRW’s assets following the transfer of ownership, excluding the value of the assets identified above.

 **NW Natural®**
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 18

18. Regarding those employees that are currently employed by Sunriver Water LLC, Sunriver Environmental, LLC, or an affiliated company and are currently necessary for the successful operation of Sunriver Water, LLC and Sunriver Environmental, LLC,

a. Does Northwest Natural Water of Oregon, LLC expect that all necessary employees will continue in their current roles following the transfer of ownership?

Please explain.

b. Which business entity will continuing employees be employed by following the transfer of ownership?

c. Where will continuing employees physically work?

d. Please explain how Northwest Natural Water of Oregon, LLC will ensure the continued successful operation of Sunriver Water, LLC and Sunriver Environmental, LLC following the close of the transaction if current employees choose not to continue in their current roles following the transfer of ownership.


Response:

a: Yes. NW Natural Water of Oregon expects to retain all existing utility employees in their current role in an effort to ensure a smooth transition of ownership and operations.

b: It is anticipated that NW Natural Water of Oregon will be the employing entity.

c: Continuing employees will work out of the Sunriver Water, LLC offices as they do today.

d: NW Natural Water of Oregon has already actively taken steps to engage and retain current employees of Sunriver Water, LLC. As mentioned in part a. above, NW Natural Water of Oregon expects to retain all existing Sunriver Water, LLC employees. In the event that certain employees choose to leave Sunriver Water, LLC, we will rapidly seek to replace these individuals through recruiting processes across Central Oregon and beyond. We have ongoing dialogue with a variety of prospective employees (at Water districts, municipalities and other investor owned utilities) that are qualified to operate these utilities. In addition, we have consultants that we work with on our diligence processes and other matters that could assist as necessary, and NW Natural Water has water utility employees across Oregon, Washington and Idaho that may be qualified to assist. More generally, NW Natural's reputation as a top employer to work for supports both our recruiting and retention processes across all of our business areas.

 NW Natural®
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 19

19. Will there be any affiliated interest transactions between Sunriver Water, LLC and Northwest Natural Water of Oregon, LLC, or any of its affiliates following the transfer of ownership? If yes, please:

- a. Describe all such anticipated transactions,
- b. Provide the estimated annual cost of such transactions to Sunriver Water, LLC
- c. Describe how the goods and/or services to be provided to Sunriver Water, LLC by Northwest Natural Water of Oregon, LLC or its affiliates are similar to or differ from those described in the current affiliated interest agreement that was approved with Order No. 16-452 in Docket No. UI 378, and
- d. Compare the pricing of goods and services to be provided to Sunriver Water, LLC by Northwest Natural Water of Oregon, LLC or its affiliates to the pricing of goods and services identified in the affiliated interest agreement that was approved with Order No. 16-452 in Docket No. UI 378.

Response:

19. The affiliated interest transactions between Sunriver Water, LLC and Northwest Natural Water of Oregon, LLC will be consistent with those transactions with Sunriver Resort Limited Partnership today and include accounting department costs, allocated HR costs, allocated IT costs, Executive Management costs, and Senior Management costs.

The estimated cost of such transactions to Sunriver Water, LLC are expected to be consistent with the management cost provided by Sunriver Resort approved within Order No. 16-452 adjusted for current salary costs. With its acquisition of Sunriver Water, LLC, Northwest Natural Water of Oregon, LLC will acquire certain employees from Sunriver Resort Limited Partnership. The cost of these employees will be allocated to Sunriver Water, LLC consistent with the current Affiliated Interest Agreement between those employees today at Sunriver Resort, and the employees will be brought over at their current Sunriver Resort salaries.

Sunriver Water, LLC will also be subject to certain allocations from Northwest Natural Gas Company and Northwest Natural Holdings under Northwest Natural Gas Company's Cost Allocation Manual. For Sunriver Water, LLC, those allocations are expected to include an allocation of common costs and insurance premiums, if applicable. Taken as a whole, however, all of the management costs for Sunriver Water, LLC are expected to be consistent with the existing management costs.


 **NW Natural®**
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC Confidential DR 35

35. Please confirm that Northwest Natural Water of Oregon, LLC and Sunriver Water, LLC will not propose to include any costs relating to the transition of ownership, **[Begin Highly Confidential]** [REDACTED] **[End Highly Confidential]** in customer rates in any future rate case or other proceeding.

Response:

NW Natural Water of Oregon confirms that it will not propose to include any incremental costs relating to the transition of ownership as described in the Transition Services Agreement in customer rates in future ratemaking proceedings. To the extent that the services described in the Transition Services Agreement are services that are currently included in rates, such services would continue to be reviewed for prudence in ratemaking proceedings.

 **NW Natural®**
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Date of Response: February 13, 2019

Request No.: UP 384 OPUC DR 47

47. In Oregon Water/100, Palfreyman/4 (lines 5 – 8), Mr. Palfreyman states that “Oregon Water hopes to benefit the customers of SRW by providing...the ability to access capital markets to provide low cost financing of necessary infrastructure investments.” Please explain why Oregon Water’s access to capital is superior to SRLP’s access to capital.

Response:

As a subsidiary of NW Natural Holdings, a public company with an active shelf registration with the SEC, NW Holdings has current liquid access to both public debt and equity markets that can be used to fund capital investments made by SRW. It is our understanding that SRLP is not a public entity and does not have the same ready access to public debt and equity markets that NW Natural Holdings has. In addition, as NW Natural Holdings is an investment grade holding company, its access to these capital markets is achieved at competitive low costs. In addition to NW Natural Holdings ready access to public capital markets, it also has a committed \$100 million credit facility that can be used for interim funding requirements as needed for capital investments at SRW.



Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 22

22. Please identify whether any funds derived from ratepayers of Northwest Natural Gas Company will be used toward the proposed transaction.

Response:

No funds derived from ratepayers of Northwest Natural Gas Company will be used toward the proposed transaction.

WATER SYSTEM MASTER PLAN UPDATE
SUNRIVER WATER, LLC.

SUNRIVER, OREGON

November, 2011

Prepared for:

Sunriver Water, LLC

PO Box 3699

Sunriver, OR 97707

Attn: Terry Penhollow

Prepared by:

WHPacific

123 SW Columbia Street

Bend, OR 97702

Attn: James E. Frost, P.E.

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1.0 INTRODUCTION

Previous Master Plans

In 1979, DMJM Hilton completed a Sanitary Sewerage Facilities and Water System Master Plan for Sunriver Properties, Inc. In 1995, David Evans & Associates completed a Water System Master Plan for Sunriver Resort. In 2000, CH2M Hill completed an update of that Master Plan.

In October 2007, Sunriver Water, LLC authorized WH Pacific to update the Water Master Plan for the Sunriver water system. Given the slow economy, completion of the Water Master Plan was delayed until 2011. Our Master Planning projections used 2007 water use records, since occupancy was high and representative of expected water use per equivalent dwelling unit (EDU) at buildout.

System Description

The Sunriver water system currently serves Sunriver Community, Sunriver Business Park, Crosswater, Caldera Springs Community, and some of Vandervert Ranch. These developments utilize the water for commercial, domestic and irrigation needs. At the end of 2007, Sunriver Water, LLC records indicate a total of 4,268 commercial, residential and irrigation connections.

There are three main groundwater wells (#2, #9, and #14) supplying the domestic system, with three ground level reservoirs located above Sunriver for reliable gravity flow to Sunriver. The domestic wells have backup generators. The domestic distribution system is 6" to 14" piping. Sunriver, Crosswater and Caldera Springs all have golf courses and common areas that have irrigation water supplied by irrigation wells. These irrigation wells include #4 (not currently in use), #12, GC 9 and GC 17. These wells are not connected to the domestic system.

Commercial Customer Connections include uses like the Sunriver Lodge, restaurants, Sunriver Business Park, Three Rivers School, and the Village Mall. The Village Mall has several retail stores, restaurants, Goody's, the Grocery Store, and similar uses. There are several retail and commercial businesses, a Laundromat, gas station, convenience store, multi-family dwellings, and restaurants in the Business Park. Major irrigation uses include Crosswater Lake 2 golf course, common areas, and park areas.

The Water System serves 3 main users:

Residential – single and multi-family dwellings. These are relatively stable uses

Commercial – Businesses, Institutional – larger meters

Irrigation – Heavy use, seasonal, not connected to sewer system

Sunriver Village Improvements

Currently Sunriver Village Mall is undergoing significant upgrades and tenant improvements. It is unknown at this time if there will be any change to the number of EDUs within the Village Mall, so it is maintained at 122 for the purpose of this Update. The Fremont Crossing 47 EDUs and the Abbot Houses 20 EDUs are included in the "Sunriver MultiFamily" category..

Pine Forest Improvements

Sunriver Limited Partnership has recently purchased 617 acres of land east and south of Caldera Springs development. SRLP anticipates potential development of this area. As SRLP continues through the land use process and develops this property, the number of equivalent dwelling will be determined and mitigated in the future. This report does not consider the future development of Pine Forest.

Sunriver Homeowners Association Recreation Center (SHARC)

Sunriver Owners Association began construction of the SHARC on the old 22 acre Amphitheater/sledding hill in 2011. The facility is expected to be open and be operational in 2012. The SHARC is estimated to require 36 Equivalent Dwelling Units (EDUs) worth of water supply to serve the facility. 19 EDUs moved from the existing SROA south pool to the new SHARC. Therefore, 17 new EDUs as a result of this previously unaccounted for expanded existing use are added to the previous EDU total of 5886 to reach the current 5903 EDU buildout estimate.

2.0 SUMMARY AND RECOMMENDATIONS

Table 1: Source Summary

Well Number	OWRD Well Log	Drilled Depth	Casing	Year Completed	Pump	Backup Generator	Pumping Capacity
2	DESC 5749	266ft	Steel	1967	125 HP Vertical Turbine	Yes	1,540gpm
9	DESC 5744	558ft	Steel	1985	125 HP Vertical Turbine	Yes	1,575gpm
14	DESC 57644	560ft	Steel	2006	150 HP Vertical Turbine	Yes diesel	2,150 gpm
4	DESC 6205	283ft	Steel	1969	N/A	N/A	N/A
12	DESC 8484	307ft	Steel	1993	60 HP Vertical Turbine	No	1,000 gpm

The combined capacity of the wells pumping into the domestic system (#2, 9, 14) is approximately 5265gpm. The water rights for these wells is 5226gpm. The projected peak day demand at buildout is 4229 gpm. The risk of one of the three source wells losing production has increased since the last Master Plan Update. During the 2000 E-coli event, well 9 was shut down during the highest use period. Well 2 was installed in the 1940's, and does not meet modern standards and is at increased risk of having operational problems. If any of the three wells are out of production at buildout, Sunriver would need to significantly curtail irrigation and domestic use, and may not be able to meet demand. In this situation, fire flow volume would need to be maintained in the reservoirs, at the expense of domestic and irrigation use

Considering the increased risk of one of the three production wells being out of service for an extended period, we recommend the source be adequate to meet peak day demand with the largest well out of service. This requires an additional well source of approximately 1200 gpm. Application G-16874 has a proposed rate of 1750gpm, adequate for this recommendation. Sunriver can pursue a mitigation project or transfer water from another property to Sunriver as a quasimunicipal source to cover this. Please see the exhibit below for estimated costs for source improvements.

Storage Summary

There are three existing reservoirs with the floor elevation at 4280 feet and overflow elevation at 4310 feet. The existing reservoirs include one (1) 1.0 million gallon, and two (2) 500,000 gallon reservoirs. The total existing storage is 2.0 million gallons. This report recommends adding 2.5 MG of reservoir capacity for a total of 4.5 MG at buildout. We recommend construction of one 1.25 MG tank at the north reservoir site east of Lake Penhollow, and the second 1.25 MG tank at a selected site as Sunriver continues toward buildout. Please see the following table for schedule and cost.

Table 2: New Well 15, Groundwater Rights, North Reservoir, and Connecting Water Main Estimated Cost - September 2011

No.	Item Description	Estimated Qty	Unit	Unit Price	*Recommended Design/Construction Totals by Year Includes 20% Contingency and 20% Engineering/Legal			
					2012 to 2013	2015 to 2016	2018 to 2019	TOTAL
1	Well Construction at reservoir site, including 90 LF surface seal bore hole 24" diameter, 90 LF of 20" diameter casing, 19" bore hole with 16" casing for 510 LF, 100 LF of 16" SS screen, develop and test pump well. Source, cost of well 14 in 2007 inflated at 4% annually to 2011.	1	lump sum	\$443,000		\$620,200		
2	Well Assembly, Genset, Housing - Pump, Motor, column, shaft, wellhead, pedestal, automatic valving, piping in well house, meter, connection to reservoir feed line (110k), Midstate power and fiber (50k), electrical, controls with soft start (60K), auto transfer standby generator (50k), well and generator housing (100k).	1	lump sum	\$370,000		\$518,000		
3	Obtain and purchase Groundwater Rights in the Little Deschutes or Upper Deschutes Zone of Impact, for use in Sunriver area.	398	acres mitigation	\$15,000		\$8,358,000		
4	North Reservoir - Design and construct 1.25 MG reservoir in the northeast area of the Lake Penhollow site.	1,250,000	gallon	\$0.85	\$1,381,000			
5	Water Transmission Main and Telemetry Fiber - from North Sunriver up to North Reservoir Site, East of Lake Penhollow, to connect the North Reservoir to Sunriver Transmission Main.	4,000	LF	\$147.00	\$764,400			
6	Remaining Reservoir Capacity - Design and construct 1.25 MG reservoir in the northeast area of the Lake Penhollow site, in the existing Reservoir site, or at alternate location with 4280' elevation. The best location will depend on current chlorination rules, areas of future growth, property ownership, and other considerations. Increase cost from \$0.5/gallon to \$0.55/gallon to reflect unknown sitework and access.	1,250,000	gallon	\$0.85			\$1,381,000	
	Totals by column year				\$2,145,400	\$9,496,200	\$1,381,000	
	Total for all years, present day							\$13,022,600

*Use 15% contingency and 15% engineering for #4, 5, & 6 since 30% design is done.

Distribution System Summary

The distribution system was constructed between 1970 and 2007, and includes 16" and 14" tar coated steel, 6" and 12" Asbestos Concrete (AC) and 6" to 12" PVC mains. There is also some newer ductile iron pipe in the system. The large diameter steel lines are generally in good condition. The AC, PVC, and ductile piping are also in good condition. There are some minor improvements that Sunriver Water LLC plans to complete as budget is available, such as a looping connection to improve fire flow and reliability in Tennis Village.

DEMANDS

Table 3: Customer Base

	Service Connections	Equivalent Dwelling Units	Projected EDUs at Buildout
1995 WMP Update	3,374	3,489	4,600
2000 WMP Update	3,891	4,520	5,886
Current Plan	4,268	5,098	*5,903

*See Lot Inventory Table, Note 4.

Table 4: Year 2011 Lot Inventory for Sunriver, OR (in EDUs)

Type of Unit	Current	Unbuilt	Buildout
<i>Sunriver</i>			
Residential ⁽⁵⁾	3056	165	3221
⁽⁷⁾ Multifamily	956	30	986
Community (SROA) ⁽⁴⁾ SHARC & North Pools, Ft. Rock, Fire Dept, etc.)	56	0	56
*Sunriver Mall ⁽²⁾⁽³⁾	122	1	123
*SRLP – Sunriver (Lodge, Sage Spa, etc.) ⁽¹⁾	236	0	236
*Business Park Commercial ⁽⁸⁾	107	73	180
BP multifamily (Powder Village)	90	0	90
*Commercial units (Other)	52	0	52
*07 irrigation Meters. (not related to Multifamily)	213	0	213
<i>Crosswater</i>			
Residential ⁽⁶⁾	65	27	92
Multifamily ⁽⁶⁾	23	0	23
Community (Guardhouse, /Pool)	2	0	2
SRLP (Clubhouse, Golf Maint.)	16	0	16
<i>Vandervert</i>			
Residential	7	0	7
*Commercial	7		7
<i>Caldera</i>			
Residential	60	260	320
Multifamily (Cabins)	17	28	45
Community (Fitness, Pavilion)	9	0	9

SRLP (Lakehouse)	1	0	1
*Current EDU's are based on actual use			
SRLP Future	0	225	225
Total	5,094	809	5,903
(1) Data Provided by Sunriver Utilities Company, Spring 2008.			
(2) The Mall has 122 EDUs constructed. Includes Sunriver Village Mall, Marcellos, Bellatazza, SR Realty, Title co, Medical center, Mall 2, Church, South Bend Bistro.Excludes Fremont Crossing 47 and Abbot House 20			
(3) use 300 gpd/edu, *365/12=9125 gallons per month per edu			
(4) 36 edus needed-19 edus south pool leaves 17 new edus beyond the 2000 WMP buildout 5886			
(5) Data Provided by SROA 2010 report			
(6) Data Provided by CW facts/figures			
(7) This is 956 EDU from SROA 2010 Report, includes 47 Fremont Crossing,20 Abbott Houses, 18 Aquila. (includes irrigation typical for multifamily units)			
(8) Each business park lot has 3 EDU per lot.			

If any entities on the list or in Sunriver use more than the allotted 300gpd/EDU yearly average, or exceed peak month usage per EDU, mitigation for source, storage, and distribution improvements may be required.

Determination of Commercial EDU's

The estimated number of EDU's for the project was determined by evaluating water records for 2007. Daily use per EDU was assumed to be 300gpd based on industry standards for planning purposes. Additionally, 300gpd/EDU correlates well with observed use rates. Residential EDU numbers were set based on actual constructed/occupancy data. Commercial EDU values were calculated by dividing the metered annual use for each commercial application by [300gpd/EDU x 365days/year], or 109,500gallons per year per EDU.

Table 5: Commercial EDU Calculations

	Total Annual Use (gallons)	Number of EDUs based on 300gpd
<i>Sunriver</i>		
Community (SROA)	4,207,828	38
Sunriver Mall	6,826,323	63
SRLP – Sunriver	25,894,722	236
Business Park Commercial	11,753,533	107
07 irrigation Meters, Non-residential	23,314,740	213
<i>Crosswater</i>		
Community (Guardhouse, Sales/Pool)	209,273	2
SRLP (Clubhouse, Golf Maint.)	1,782,826	16
<i>Vandevent</i>		
Commercial	768,000	7
<i>Caldera</i>		
Multifamily (Cabins)		2
Community (Fitness, Pavilion)	1,049,053	9
SRLP (Lakehouse)	17,301	1

In the below calculation, we verify that 300gpd/EDU correlates with existing observed data:

Total Annual Water Production from Wells 2, 9, & 14:	565,178,000 gallons/yr
Subtract Crosswater Domestic Lake Dump:	<u>-42,962,600</u>
gallons/yr	
Annual use from System (incl. Domestic, Comm., & Irr):	522,215,400 gallons/yr
Total current number of EDUs (2007):	4,869
Check Average Daily Flow Per EDU	$\frac{522,215,400 \text{ gallons/yr}}{365 \text{ days/yr} \times 4869 \text{ EDU}} = 294\text{gpd/EDU}$

Therefore, using an Average Day Design Flow of **300gpd/EDU** is reasonable assumption for Sunriver water system.

4.0 SOURCE FACILITIES

Table 6: Sunriver Existing Water Rights Summary

Well Number	Water Right (bold indicates current)	Water Rights Capacity	Notes
2	Application G 4064 Permit G 3810 Transfer T-8260	3.4cfs (1,526gpm)	Use: Quasi-Municipal 1.1cfs from Well 4 to existing 2.3cfs at Well 2 for a total of 3.4 cfs. WHPacific completed and submitted Claim of Beneficial Use in July 2011
4	Not in Use Application G 5883 Permit G 5609 Transfer T-8260	0.0cfs	1.1cfs transferred from Well 4 to Well 2 in T-8260. Listed for emergency availability with Oregon Dept. of Human Services.
9	Application G 11627 Permit G 13249 Transfer T-9730 Transfer T-10106	3.788cfs (1,700gpm)	Use: Quasi-Municipal including Irrigation T-9730 added Well 14 as an additional Point of Appropriation to Well 12.
14		4.456cfs (2,000gpm) From Wells 12 & 14	Transfer T-10106 amended T-9730 to correct scrivener's error.
12			C-Date for T-10106 is Oct. 1, 2034
12	Certificate 81406 Certificate 57066 Transfer T-9729 Certificate 85484 Certificate 85485	1.15cfs (516gpm); being 1.02cfs from 85484, and 0.13cfs from 85485	Use: Irrigation
13	Application G-16339	601gpm Note: not included in total below	Application G-16339 expires 2012 and Sunriver does not anticipate using well.

15	Application G-16874	3.9cfs (1,750gpm) Note: not included in total below	Recommended for use to provide redundant source. 716.0 mitigation credits required. Expires 2015
Total=		12.79cfs (5,742gpm, 8.27MGD excluding 13 and 15)	

Table 7: Sunriver Pumping Capacity

Well Number	Pumping Capacity	Location
2	1,540gpm	T19S, R11E, SW of SW Sec 32 1070 feet north & 1300 feet east from SW corner, section 32
9	1,575gpm	T19S, R11E, NE of NE Sec 29 1200 feet south & 70 feet west from the NE corner of section 29
14	2,150gpm	T20S, R11E, NE of NE Sec 5 875 feet south & 340 feet west from NE Corner of section 5
4	0gpm (emergency availability)	T20S, R11E, SW of SE Sec 6 340 feet north and 1410 feet west from the SE corner of Section 6
12	1000gpm	T20S, R11E, NW of NW Sec 8 215 feet south & 830 feet east from NW corner of section 8
Total Pumping Capacity	6,265gpm	

Adequacy of Existing Source to Meet Foreseeable Build-Out Demands

The combined capacity of wells #2, #9, and #14 that pump into the domestic system is approximately 7.582MGD (5,265gpm). The combined water rights capacity for these three wells is 7.525 MGD (5,226gpm). The projected peak day use is 6.09 MGD (4229gpm). The Sunriver water supply is capable of exceeding peak day demand. However, aging well 2 is at increased risk of problems. If any of the three production wells are out of service, the Resort has a source of approximately 3000 gpm, which is approximately 1,200 gpm short of the buildout projected peak day use of 4229gpm. Therefore, we recommend continuing to pursue additional source capacity to add a production well and provide redundancy for supply of peak day demand. A mitigation project to provide water rights in the Little Deschutes Zone of Impact would allow construction of Well #15 at the existing reservoir site. This well would provide up to 1750gpm for redundancy to meet peak day demands, and provide supply needed for future growth.

Adequacy of Water Rights

Generally, at the time of Claim of Beneficial Use for a water right permit, permit amendment, or transfer, the user has to demonstrate the ability to supply and beneficially use without waste the full allotted amount of water. To obtain a final Certificate for the full permitted right, the pumping capacity at the point(s) of appropriation should meet or slightly exceed the permitted water right. The combined pumping capacity for Wells 2, 9, 14, and 12 is 6,265gpm, and the combined water right capacity for these wells is 5,742gpm, so generally, the above condition is met. As stated in the above paragraph, we recommend mitigation of Application G-16874 to allow construction of a 1750 gpm (maximum) Well 15. This allows the supply to meet peak day demand at buildout with one well out of service. The current peak day demand is 3102 gpm, including the Crosswater domestic lake dump to lake 2. The supply with Well 14 (largest well)

out of service is 3115 gpm, so the current peak day can be served with Well 14 out of service. We recommend obtaining water rights and constructing a new well for at least 1,114 gpm. This would allow the supply to meet buildout peak day demand with the largest well out of service. As growth continues, peak day demand will exceed the supply capacity with the largest well out of service, so construction of the new well is recommended in 2015/2016. This could be pushed off if growth doesn't occur; however, water rights will likely become more difficult to obtain to mitigate construction of this well.

Permit Amendment T-10106 states that the quantity of water for use is: "Quantity: not to exceed 3,700gpm; being 1700 gpm from Well 9 and 2000 gpm from Wells 12 and 12A [aka Well 14], further being described as being 2450 gpm for group domestic and 1250 gpm for irrigation."

As is often the case with water rights, the amount of water anticipated to be pumped from deep wells during the permit application process does not exactly match the amount actually withdrawn after the wells are constructed and pumps installed. Post well development pumping rates are as follows:

Well 9 – 1,575gpm

Well 14 – 2,150gpm

Well 12 – 1,000gpm (please note that Well 12 is also the source for Certificates 85484 and 85485)

Sunriver relies on Well 14 to pump at 2150gpm, which exceeds the amount allowed by the permit. Additionally Well 9 cannot pump at the 1700gpm rate allowed in the permit. To bring Sunriver Water LLC into full compliance with permit conditions of T-10106, we recommend that T-10106 be amended as follows: "Quantity: not to exceed 3,700gpm; being **1550 gpm from Well 9 and 2150 gpm from Wells 12 and 14...**" The total rate allowed by T-10106 will not be affected, but the rates for each of the wells will reflect actual operating conditions.

5.0 STORAGE FACILITIES

Peak Day: The existing observed peak day flow in August 2007 was 4.467 MGD. The projected peak day flow at buildout is 6.09 MGD(4,229gpm). The well sources can provide peak day total demand, but they do not provide the projected buildout peak hour demand of 8191 gpm. The storage facilities provide supplemental flow to meet peak hour demands.

Equalization Storage: The recommendation of the Year 2000 Master Plan Update was to provide 30% of the buildout peak day flow for equalization storage. Typical published values are in the range of 10-30% of the peak day flow, with smaller systems with a high domestic component using the higher values. We propose to use the projected peak day equalization storage of 27.4%, or $0.274 \times 6.09 \text{ MGD} = 1.668 \text{ MG}$. The Year 2000 Master Plan Update stated a buildout flow of 6.38 MGD and recommended peak day equalization storage of 1.51MG.

Emergency Storage: We propose that Emergency storage of 150% of buildout Average Day Demand be provided for, or $1.5 \times 1.888 \text{ MG} = 2.832 \text{ MG}$. This emergency storage provides for 1.5 days of average day demand standby storage if all sources are out of service. The emergency storage consolidates standby storage and fire demand.

Per the Year 2000 Master Plan Update, the maximum fire flow demand will occur at the Lodge or Great Hall. The amount stated in the 2000 Update was 5,000gpm for a duration of 4 hours,

totaling 1.20MG. These fire flow assumptions remain accurate, so fire storage of 1.2 MG is recommended. The greater of the standby storage and the fire storage is selected for use as emergency storage.

The required storage is the Emergency Storage added to the Equalization Storage, or 2.832 + 1.668 = 4.50 MG.

Storage Recommendation

Beginning with the 1979 Sanitary Sewerage Facilities and Water Supply System Master Plan document by DMJM Hilton, Sunriver Water System Master Plan documents have recommended addition of a large potable water reservoir on the north end of Sunriver. The 1979 document listed the existing two 500,000 gallon reservoirs, and the 1,000,000 gallon reservoir, as exist today. The plan recommended a new reservoir in the north end of the property, with a new transmission main. This was recommended to provide additional emergency and fire storage, provide additional redundancy so Sunriver Water LLC does not rely on only one reservoir system and single connection transmission main, and to boost pressure in the north end during peak use periods. Well supply was recommended to provide the peak day use in 16 hours. The recommended storage for 5,000 expected EDUs in 1989 was 3.24 MG. This is 1.24 MG more than we have now.

The latest Water Master Plan in 2000 by CH2MHILL recommended 4.03 MG of storage, or 2.03 MG additional storage.

This 2011 Water System Master Plan agrees with previous findings, and recommends 4.50 MG storage, considering the recent demand trends and Buildout EDU increase.

Table 8: Storage Summary

Storage Component	Year 2000 Master Plan Update	Year 2011 Updated Buildout
Peak Day Equalization	1.51MG	1.668 MG
Emergency(1)	2.52MG (includes 1.2 MG Fire)	2.832 MG (includes 1.2 MG Fire)
Total	4.03MG	4.50MG

(1)Assume fire storage included in emergency

The current storage totals 2.0MG. We recommend that additional 2.50 MG storage be constructed to achieve the buildout recommendation of 4.5MG. This covers the difference between peak flow demand and well supply. Please see the source recommendation for addition of a new well.

The addition of the proposed 1.25 MG reservoir(s) adjacent to the Lake Penhollow site provides critical pressure increases in the north end of Sunriver during peak demands. Currently, pressures during peak use periods drop below 30 psi in areas of north Sunriver. As demands increase toward buildout, pressures during peak hour and fire flows drop below 20 psi. Therefore the north reservoir is recommended in 2012/2013 to improve pressures as well as to provide storage. The final 1.25 MG of reservoir capacity is recommended for 2018/2019. Probable locations for this reservoir are the existing east/central reservoir site, or the north reservoir site. The best

location will depend on future high use areas, requirements for groundwater chlorination, and other considerations.

6.0 DISTRIBUTION SYSTEM AND HYDRAULIC MODELING

6.1 Demand Data and Calculations

EXISTING (Based on 2007 use records due to high occupancy. Occupancy and use have been down between 2007 and 2010)

2007 Observed Annual Average Day Demand:

Total year 2007 production data (wells #2, #9 and #14)

565,178,000gallons/365days = 1.548MGD = 1075gpm

522,215,400gallons/365 days = 1.431MGD = 994gpm (*excluding Crosswater Domestic Lake Dump*)

2007 Observed Maximum Month Demand:

July, 2007 data (wells #2, #9 and #14)

104,079,000gallons per month = 3.357MGD = 2332gpm

82,479,500gallons per month = 2.661MGD = 1848gpm (*excluding Crosswater Domestic Lake Dump*)

2007 Observed Maximum Month Demand to Annual Average Day Demand Peaking Factor:

$3.357\text{MGD} / 1.548\text{MGD} = 2.17$

$2.661\text{MGD} / 1.431\text{MGD} = 1.86$ (*excluding Crosswater Domestic Lake Dump*)

NOTE: Use PF = 2.5 for planning purposes to ensure conservative estimate keeping in line with past observed peaking factor.

2007 Observed Domestic Peak Day Calculation (Maximum Day Demand, MDD):

August 4th, 2007 data

4.467MGD = 3102gpm

3102gpm – 269gpm = 2833gpm (*excluding Crosswater Domestic Lake Dump*)

2007 Observed Maximum Day Demand to Annual Average Day Demand Peaking Factor:

$3102\text{gpm} / 1075\text{gpm} = 2.89$

$2833\text{gpm} / 994\text{gpm} = 2.85$ (*excluding Crosswater Domestic Lake Dump*)

NOTE: Use PF = 3.20 for planning purposes

2007 Domestic Peak Hour Calculation (Peak Hour Demand, PHD):

Subtract Crosswater Lake Dump #2 and apply peaking factor.

$3102\text{gpm} - 269\text{gpm} = 2833\text{gpm} \times 2\text{P.F.} = 5666\text{gpm}$

Add Crosswater Domestic Lake Dump #2 back in.

$5666\text{gpm} + 269\text{gpm} = 5935\text{gpm}$

2007 Average Day Use per EDU, ADD (excluding Crosswater Lake Dump):

Exclude Crosswater Domestic Lake Dump #2 and distribute per EDU.

$994\text{gpm}/4869\text{EDU} = 0.201\text{gpm}/\text{EDU} = 294\text{gpd}$

NOTE: Use ADD = 300gpd/EDU (0.208gpm/EDU) for planning purposes

2007 Peak Day Use per EDU, MDD (excluding Crosswater Lake Dump):

Subtract Crosswater Domestic Lake Dump #2 and distribute per EDU.

$$3102\text{gpm} - 269\text{gpm} = 2833\text{gpm}/4869\text{EDU} = 0.582\text{gpm}/\text{EDU} = 838\text{gpd}$$

NOTE: Use peaking factor of 3.22 and ADD of 300gpd/EDU to obtain MDD = 966gpd/EDU (0.671gpm/EDU) for planning purposes

2007 Peak Hour Use per EDU, PHD (excluding Crosswater Lake Dump):

$$0.582\text{gpm}/\text{EDU} \times 2\text{P.F.} = 1.164\text{gpm}/\text{EDU}$$

NOTE: Use 0.671gpm/EDU X 2 PF to obtain PHD = 1.342gpm/EDU for planning purposes

FULL BUILD OUT

Projected Annual Average Day Demand, ADD:

$$5903\text{EDU} \times 300\text{gpd}/\text{EDU} = 1.771\text{MGD} = 1230\text{gpm} \text{ (excluding Crosswater Domestic Lake Dump)}$$

$$1230\text{gpm} + (1075\text{gpm} - 994\text{gpm}) \times 1440 = 1.888\text{MGD} = 1311\text{gpm} \text{ (including Crosswater Domestic Lake Dump)}$$

Projected Maximum Month Demand:

$$1.888\text{MGD} \times 2.5 = 4.72\text{MGD} = 3278\text{gpm}$$

$$1.771\text{MGD} \times 2.5 = 4.428\text{MGD} = 3075\text{gpm} \text{ (excluding Crosswater Domestic Lake Dump)}$$

Projected Peak Day Demand, MDD:

$$5903\text{EDU} \times 966\text{gpd}/\text{EDU} = 5.702\text{MGD} = 3960\text{gpm}$$

Add Crosswater Lake Dump #2

$$3960\text{gpm} + 269\text{gpm} = 4229\text{gpm} = 6.09\text{MGD}$$

Projected Peak Hour Demand, PHD:

$$1.342\text{gpm}/\text{EDU} \times 5903 \text{ EDU} = 7922\text{gpm} = 11.41 \text{ MGD}$$

Add Crosswater Lake Dump #2

$$7922\text{gpm} + 269\text{gpm} = 8191\text{gpm} = 11.80 \text{ MGD}$$

Uses a peaking factor of 2 on the peak day without Crosswater Domestic Lake Dump, then adds 269 gpm Crosswater Domestic lake Dump back in.

We completed a comparison of past Water Master Plan studies with the results of this study to record a trend of estimated buildout EDUs and peaking factors used. The table also indicates the reduction in the domestic water used for Crosswater Irrigation when Well 12 was dedicated to irrigation, and resulting peak day and peak hour demands projected at buildout.

Table 9: Comparison of Historical Masterplan Data

Year	1992	1993	1994	1995	1999	2007
Observed EDUs	N/A			3489	4520	4869
Observed ADD (AAD), MGD	0.99	0.98	1.38	1.31	1.52	1.548
Observed MMD, MGD	2.26	2.21	3.65	3.17	3.78	3.357
Observed MMD/ADD Ratio	2.28	2.26	2.64	2.42	2.49	2.17
Observed MMD, MGD, excluding Crosswater Irr.	N/A				+/-3.13 (based on July 1999 use, less 20,000,000 gal/mo. Crosswater)	2.661
Observed MDD, MGD	N/A			4.13	4.98	4.467
Projected Buildout EDUs	4600	4600	4600	4600	5886	5903
Projected Buildout ADD, MGD	1.470 (based on 263gpd/EDU + 181gpd Crosswater (CW) ADD)				1.809 (based on 263gpd/EDU + 181gpd CW ADD)	**1.888 Includes CW
Projected Buildout ADD, MGD, excluding Crosswater Irr.	1.210 (based on 263gpd/EDU)				1.548 (based on 263gpd/EDU)	1.771 (based on 300gpd/EDU)
Projected Buildout MMD, MGD	4.88				4.91	4.68
Projected Buildout MMD, MGD, excluding Crosswater Irr.	N/A				4.26	4.428
MMD/ADD, excluding Crosswater Irr.	N/A				2.75	2.5

Projected Buildout MDD, MGD	6.30	6.38	6.089
Projected Buildout MDD, MGD, excluding Crosswater Irr.	N/A	5.68	5.702
MDD/ADD ratio at buildout, excluding Crosswater Irr.	N/A	3.67	3.22
Projected Buildout PHD, MGD	N/A	12.06	11.79
Projected Buildout PHD, MGD, excluding Crosswater Irr.	N/A	11.36	11.4

*Based on 2007 water records, due to high occupancy of Sunriver in 2007, representative of expected buildout occupancy. Use after 2007 has declined.

$$\frac{**5903 \text{ EDU} * 300 \text{ gpd} + 42.9626 \text{ MG}}{\text{EDU} \quad 365 \text{ days}}$$

6.2 Applying Future Demands to Water System Model (To assist Sunriver with understanding the hydraulic model, we have described how demands are applied throughout the system)

Mall: There are eight nodes used in the mall area. The future peak hour with the reserve will have a demand of 190 EDUs for the Village Mall. The peak day is modeled by spreading the peak day flow per EDU across the eight nodes. Peak hour is modeled by applying a factor of 2.

Caldera Springs: There are 21 nodes used in the Caldera Springs area of the model. To get the projected build-out flow, 375 EDUs are spread across the nodes. The peak hour is modeled by applying a peaking factor of two.

Crosswater: Crosswater buildout will have 133 EDUs spread across 13 nodes This is spread evenly over 13 nodes The peak hour is modeled by applying a peaking factor of two.

Sunriver Residential: The un-built single family and multi-family EDU's were evenly distributed across residential area nodes to represent buildout conditional. The peak hour is modeled by applying a peaking factor of two.

Commercial Units: The un-built commercial units within the core area were modeled by adding remaining un-built commercial EDU's to the core area. The peak hour is modeled by applying a peaking factor of two.

SRLP: The un-built SRLP units were added to the model to represent buildout condition. The peak hour is modeled by applying a peaking factor of two.

We have modeled current peak hour demand with the proposed north reservoir turned both on and off. We have also modeled peak day and peak hour demands for buildout conditions, and for fire flow.

6.3 Fire Flows

Fire flows were tested at the nodes listed below. These same nodes were modeled in the Year 2000 Master Plan Update. Maximum day demands for existing conditions were used. The nodes were tested for flow at a minimum residual pressure of 20psi.

Table 10: Fire Flow Results

Node	Location	Available Fire Flow per 2000 Master Plan	2008 Demands Available Fire Flow per 2008 Modeling by WHP		Future Demands Available Fire Flow per 2011 Master Plan		Future Demands Available Fire Flow per 2011 Master Plan	
			OFF	ON	OFF	ON	OFF	ON
New Reservoir Status		ON	OFF	ON	OFF	ON	OFF	ON
888	School west of Entrance	1456	1059	1201	838	1040	742	980
891	Kinglet Lane and Gannet Lane	1059	671	935	591	910	554	898
894	Dixie Mt. Lane	1954	576	1895	362	1831	263	1800
901	Commercial Area	822	665	735	580	685	520	647

We have modeled build-out peak hour demands. We modeled these demands with the proposed reservoir turned both on and off. This information is provided to show the improvement in available fire flow at various location with the North Reservoir constructed, and to show fire flows as buildout is approached. The hydrants are also locations that allow flow testing and calibration check of the model.

6.4 System Pressures

Typically, Oregon Health Division requires a minimum pressure of 20 psi be provided to customers and maximum of pressure of 80 psi. The minimum desired pressure is 40 psi at the main. If a person has a 2 story home, or onsite construction requires higher flow and pressure, a home owners supplied booster pump may be appropriate. For larger clusters of properties experiencing low service pressure at the main, a group booster pump station may be considered. A group booster station would require the use of pressure reducing valves to isolate the served

properties from the remainder of the system. For large portions of the North Sunriver area where low pressure is experienced, the installation of a new north reservoir(s) alleviates the critical low pressure problems. Specific low pressure areas are shown in the exhibit pages in the appendix for each of the scenarios. Please note that lot counts for the low pressure areas described below are approximate only as actual field conditions may vary from the model.

Current Peak Flows – New Reservoir Off

The model indicates low pressures (below 30 psi) are encountered during current peak flows in four separate areas in the water supply system, which includes Sunriver, Caldera, Crosswater, Vandevent. The model identifies two limited, isolated areas that may experience pressures below 20psi. The best long term fix for the low pressure areas is the installation of the proposed north reservoir. This will eliminate all of the areas below 20psi, except Lofty Lane, and will greatly reduce the areas below 30psi. Existing conditions without a new north reservoir show several nodes below 30psi, and some of those nodes are below 20psi. Most of the low pressure areas have pressure above 30psi with the north reservoir on.

1. North: This area encompasses approximately 80 lots in the extreme northeast portion of Sunriver, in Fairway Point Village II, III & IV subdivisions including portions or the entirety of McNary Lane, Ochoco, Shadow, Three Iron Lane, Cypress Lane, Foursome Lane, Sand Trap Lane, Dogleg Lane and Playoff Lane. The low pressure encountered is 24psi at node 89. The model indicates that this entire low-pressure area will be remedied with the addition of the north reservoir. The North low-pressure area is shown in green on the pressure exhibit maps.
2. Northeast: This area encompasses approximately 300 lots in the Deer Park and Fairway Crest Village subdivision areas. The main areas affected are North Imnaha Road and South Imnaha Lane and their “tributary” roads. Other roads in the area are Filbert Lane, Witchhazel Lane, Poplar Loop and Beech. There are two nodes that indicate pressures during current peak demand will be below 20psi. The lowest pressure is 18.74psi near the intersection of Poplar Loop and Beaver Drive (Node 417). Node 780, which has a pressure of 19.32psi, experiences this low pressure due to suction from the northeast booster pump station. This low pressure area has been recently improved by bringing nearby well 9 on when pressure drops in this area. The model indicates that this entire low-pressure area will be remedied with the addition of the north reservoir. The Northeast low-pressure area is shown in yellow on the pressure exhibit maps.
3. Central Plateau: This area is served by two booster pump stations as the service area is too high in elevation to have adequate pressure service from the existing reservoir. The area is isolated from lower elevation areas by pressure reducing valves. This low pressure area encompasses approximately 300 lots. This plateau area had low pressure when the model was run, but Sunriver has made recent improvements to the System and plateau pressures are now adequate. Booster pump stations 1 and 2, wells 2, 9, and 14, and the reservoirs are all connected by fiber and computerized telemetry. Booster pump station 2 has been upgraded for improved capacity and control. Under current demands, the system now operates with occasional low booster pump suction pressure. As demands increase the booster pump suction pressure will drop below acceptable levels. The north reservoir is needed to solve this problem. The Central Plateau low-pressure area shown in purple on the exhibit map now has adequate pressure, however the area near the pump suction will still have low pressure as buildout demands are reached.

4. West-Central: This area includes Wickiup Lane, Sparks Lane, and Todd Lane located in Mountain Village West subdivision and the area south along Abbot Drive into Ranch Cabins III. There are approximately 20 lots within this low-pressure area. The lowest pressure in this area is 25.14psi at node 179 which is the center of cul-de-sac of Wickiup Lane. The model indicates that this entire low-pressure area will be remedied with the addition of the north reservoir. The West-Central low-pressure area is shown in blue on the pressure exhibit map.
5. Eastside-South: This area extends from the south border of the boosted pressure zone, east to Beaver Drive and includes the lands east of Beaver Drive south to the intersection of Century Drive and Abbot Drive. There are four nodes that are below 20psi, and one of these represents an area of special concern. These are in the main pressure level, not the boosted level. The lowest relevant pressure is 16.28psi at the intersection of Lofty Lane and Overlook Road, Node 603. Another nearby node, Node 607, which is the terminus of Rhododendron Lane has a pressure of 19.25. Lookout Lane and Little Court are two nearby roads that do not have individual nodes, however similar low pressures may be expected there as well. 15-25 lots may be within this critically low pressure area. The reason for the low pressures is that the Lofty Lane area is at a high elevation and head loss. Actual field water pressure should be measured in this area during peak or near peak hour flows to determine if boosting is required. Node 569 has a pressure of 15.82psi, but it is a node that does not serve lots – it is the first junction coming off the existing reservoir. Node 803 has a pressure of 15.87psi, but is also a node that does not serve lots. Node 803 is in the vicinity of the Black PRV, which at the time of this report was closed according to Sunriver Water staff.
6. Caldera Springs: There is a single node with a pressure less than 30psi in the Caldera Springs development. It is Node 1098 with a pressure of 28.95psi and is located at the terminus of Fireglass Court. At current peak demands, the model shows that the addition of the north reservoir will increase pressures system-wide enough to get Node 1098 above 30psi. The Caldera Springs low-pressure area is shown in orange on the pressure exhibit map.

Current Peak Flows – New Reservoir On

The addition of the north reservoir will eliminate all the areas of less than 20psi with the exception of the Lofty Lane node, and will greatly reduce the areas with a service pressure less than 30psi. The reduced 30psi service area includes the Eastside-South low pressure area.

Full Build Out – New Reservoir Off

Full build out of the service area increases the areas that experience service pressures less than 20psi and 30psi. The basic locations are discussed in the “Current Peak Flows – New Reservoir Off” section above. The full build-out model without a new north reservoir shows an increase in nodes that are below 30psi during peak hour flows. Several of those nodes are below 20psi. Due to the significant portion of the service area being below 30psi under the full build out, peak flow scenario, we recommend the construction of the north reservoir prior to the addition of significant new demands.

Full Build Out– New Reservoir On

The model demonstrates that the construction of a new north reservoir alleviates many of the low-pressure problem areas at full build out, peak flow. The full build-out model with a new north

reservoir shows some nodes are below 30psi during peak hour flows. The lowest pressure for an existing service node is Lofty Lane (603) at 18.38psi.

1. North: The construction of the north reservoir eliminates the North low-pressure area.
2. Northeast: With the addition of the north reservoir, there are two nodes below 30psi in the Northeast low-pressure area. One is node 780 at 29.00psi. This node is the suction side of booster pump station #2. Pipe 464 is a 10" diameter pipe that has over 7ft of head loss. Upsizing of this pipe may prevent this low pressure area. The other node experiencing sub-30psi pressure is node 417 due to this node's elevation. Neither of these nodes is significantly below 30psi in this scenario, so no action may be needed. Recent automation of well 9 to come on when pressure drops in this area will reduce this problem.
3. Central Plateau: As discussed earlier, the model indicates that adding the north reservoir will provide adequate pressure to the booster pumps and the pumps can provide adequate pressure to the plateau at build out demands. See the next model run for description of piping improvements to address this low pressure area.
4. West-Central: The north reservoir effectively eliminates this low pressure area. There are three nodes below 30psi in the West-Central low pressure area. All three are greater than 29psi, so these are not anticipated to be problematic.
5. Eastside-South: The main area of concern in this low pressure area is in the vicinity of Lofty Lane and Rhododendron Lane. See the next model run for distribution system improvements to address this low pressure area.
6. Caldera Springs: Two nodes in the Caldera Springs low-pressure area are below 30psi under this modeling scenario. They are node 1098 at 27.74psi and node 1089 at 29.04psi. Both are located on Fireglass Court. See the next model run for distribution system improvements to address this low pressure area.

Full Build Out– New Reservoir On, With Distribution System Improvements

This model run includes select improvements to the distribution system to decrease headloss and increase pressures for areas with low pressure at peak hour. The areas targeted were in the vicinity of Lofty Lane, node 603, the area along Beaver Drive near the Mall, and the southeast portion of Caldera Springs.

Even after a new north reservoir is added, system pressures at node 603 near Lofty Lane are in 17 to 18psi range during full build out peak flows. To increase this node to a 20psi service pressure we added a parallel 14" for 2400 LF along the existing 16" main from the existing reservoirs to Circle 2. We added a 12" main from Circle 2 1600 feet to near Lofty Lane. This increased the pressure to greater than 20 psi at full build out, peak hour demands.

To increase pressure along Beaver Drive and in Caldera Springs, we added 2800 LF of 14" parallel to the existing 14" from Circle 2 to Abbot and Beaver Drive intersection. This increased the pressures along Beaver Drive, and in Caldera Springs.

To increase the low pressure at the suction location for the central plateau booster stations, we increased the main from the new reservoir 4000 LF to a point near the Cottonwood Store, from 14" to 18". This increased the pressure to over 30 psi.

7.0 RECOMMENDED IMPROVEMENTS

Source Improvements Summary

The existing pumping capacity of Sunriver wells #2, #9 and #14 is 5,265gpm.

Current Day Demands: Observed Peak Day Demand is 3102 gpm, therefore there are no needed source improvements to supply current demands.

Full Build Out: Full Build Out maximum day demand is 4,229 gpm. The Sunriver water supply is capable of exceeding peak day demand. One new well at 1200 gpm is recommended, so that source exceeds peak day demand with one well out of service. To obtain water rights for this well, we recommend continuing to pursue additional source capacity to provide redundancy for peak day demand. A mitigation project to provide water rights in the Little Deschutes Zone of Impact would allow construction of Well 15 at the existing reservoir site

Storage Improvements Summary

The current storage is 2.0MG. This is below what is recommended for both current demands and future demands. Therefore, we recommend that 1.25 MG storage be added at the proposed north reservoir location. This will serve two purposes: it will fulfill storage recommendations and will increase system pressures in the northern portion of the project. The remaining 1.25 MG of storage should be added at a location to be determined in the future. The location depends on things that cannot be foreseen such as locations of future growth, requirement for chlorination and property available. The recommended storage totals are as follows:

Full Build Out

Equilibrium Storage = 1.668MG

Emergency Storage = 2.832MG

Total Recommended Storage = 4.50MG

Distribution System Improvements

Sunriver has some areas that would benefit from pipe upsize or parallel mains. One area that has low pressures is in the vicinity of Lofty Lane, node 603. At the least, the lots that have low service pressures will need individual booster pumps. Even after a new north reservoir is added, system pressures at node 603 are in 17 to 18psi range during full build out peak flows. To increase this node to a 20psi service pressure we looked at upsizing some mains as well as adding parallel mains in some areas to decrease head loss. By making the transport main from the new north reservoir 18" instead of 14" and by adding a parallel 14" main to the existing 16" transport/distribution main from the existing reservoir and a few other adjacent mains, the model shows node 603 having a service pressure over 20psi. Another water main to consider upsizing is pipe 464 which is the feeder pipe for booster pump station #2 could be increased to increase pressure on the suction side.

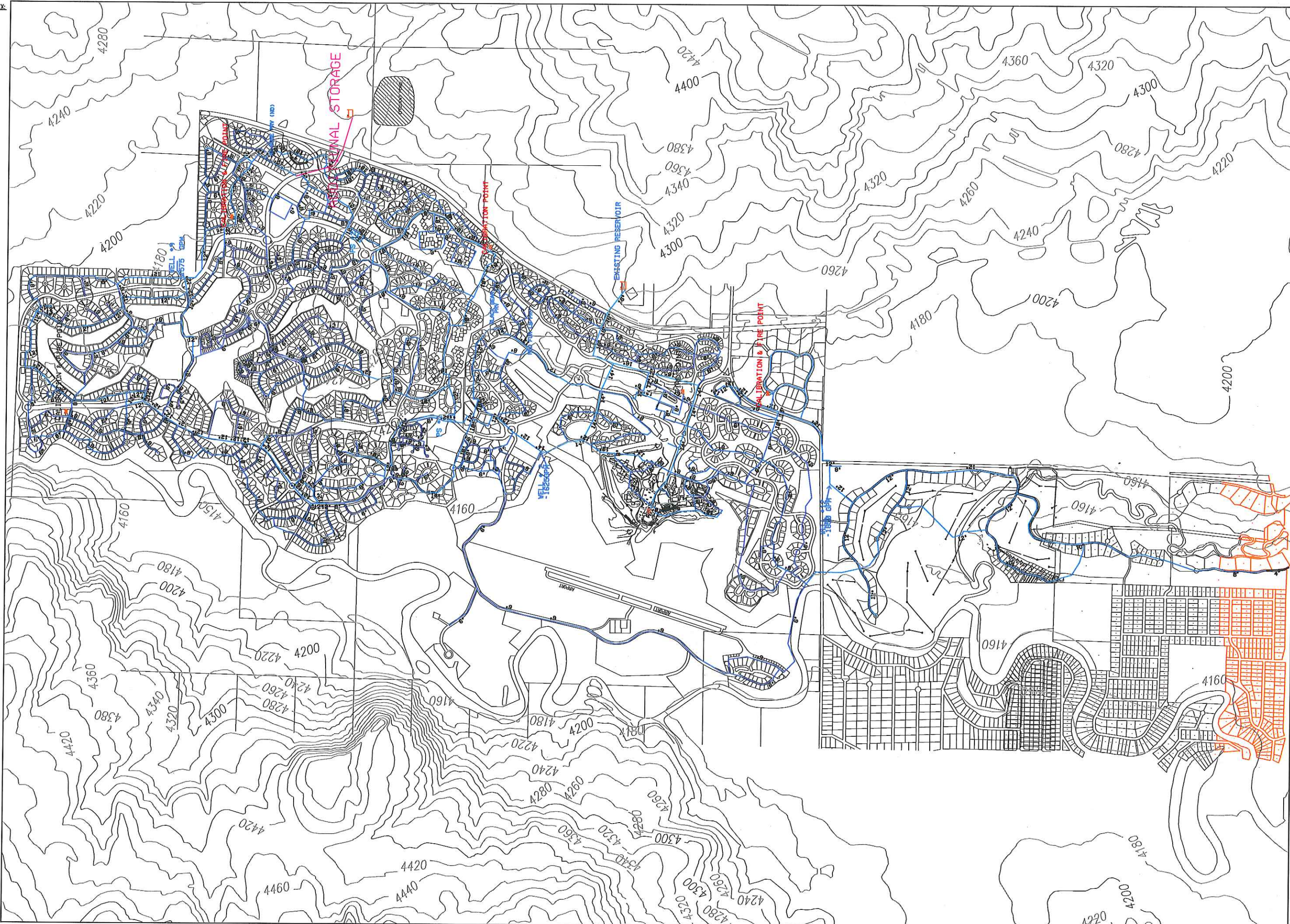
We recommend keeping records of pressures after the North Reservoir is built to determine if upsize of these lines is warranted.

8.0 REFERENCES

The following documents were referenced during the preparation of this report:

1. DMJM Hilton, Sunriver Properties, Inc., Sanitary Sewerage Facilities and Water Supply System Master Plan, December 1979
2. David Evans and Associates, Water System Master Plan Update, May 15, 1995
3. David Evans and Associates, Water Conservation Plan, October, 1998
4. Crosswater Facts and Figures for 2010
5. Inventory of Units for Sunriver per SROA 2007 and 2010 Report
6. 2007 and 2010 Water Consumption Records (Wells # 2, 9, and 14)
7. Crosswater Irrigation Records
8. 2011 Annual Drinking Water Quality Report
9. 2007 Commercial Usage Tables, Sunriver Water, LLC
10. 2007 Irrigation Meter Usage, Sunriver Water, LLC
11. 2000 Water Model As-Built Piping, CH2MHill
12. Water main Connections per SROA Amphitheater Aquatics Center Plans, 2011
13. 2006 WHPacific Plans for the Caldera Springs Water Mains, with Connection to Crosswater

APPENDIX A
SYSTEM MAP & MODELING RESULTS



WHPacific
 123 SW Columbia Street
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 www.whpacific.com

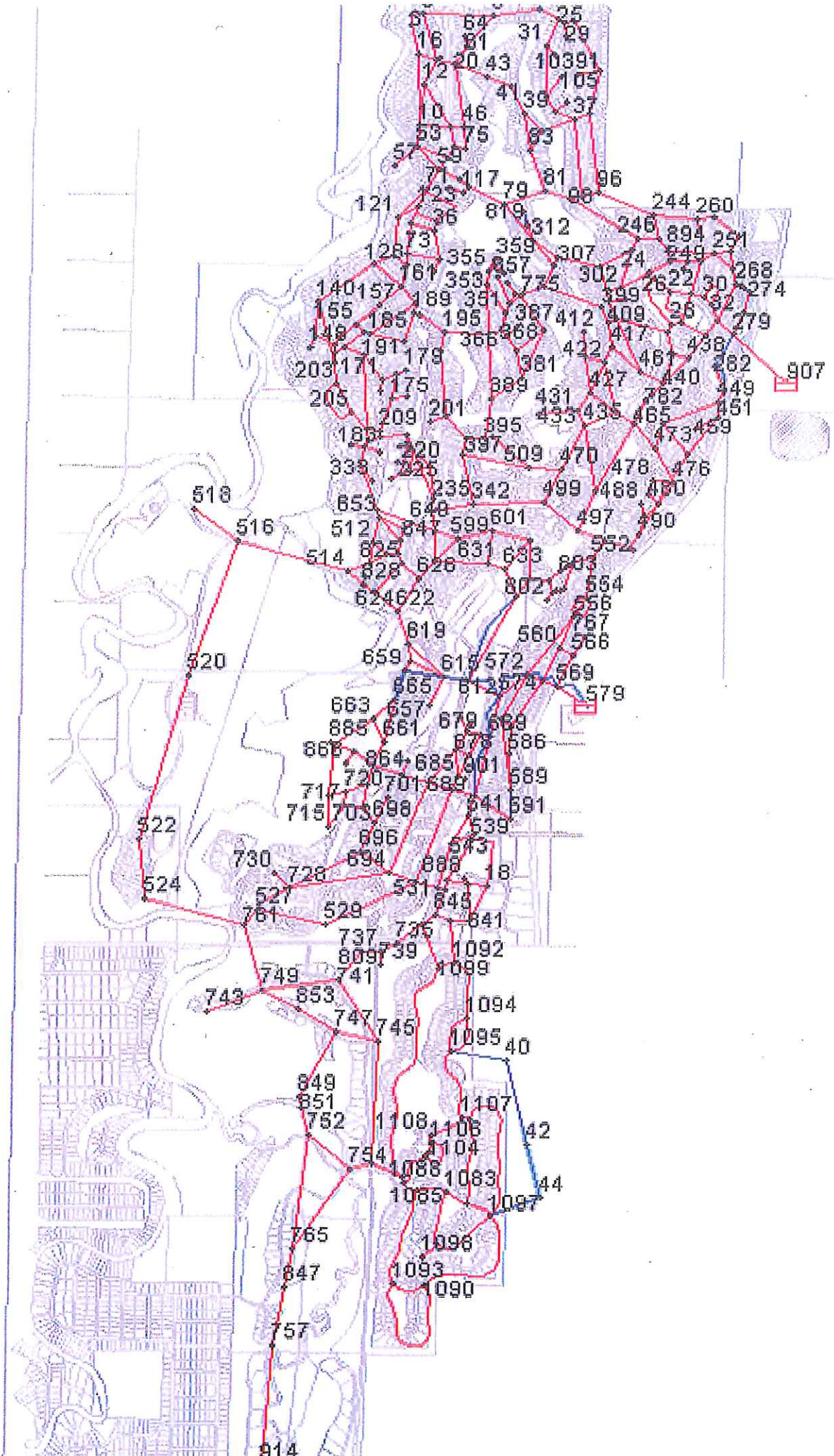
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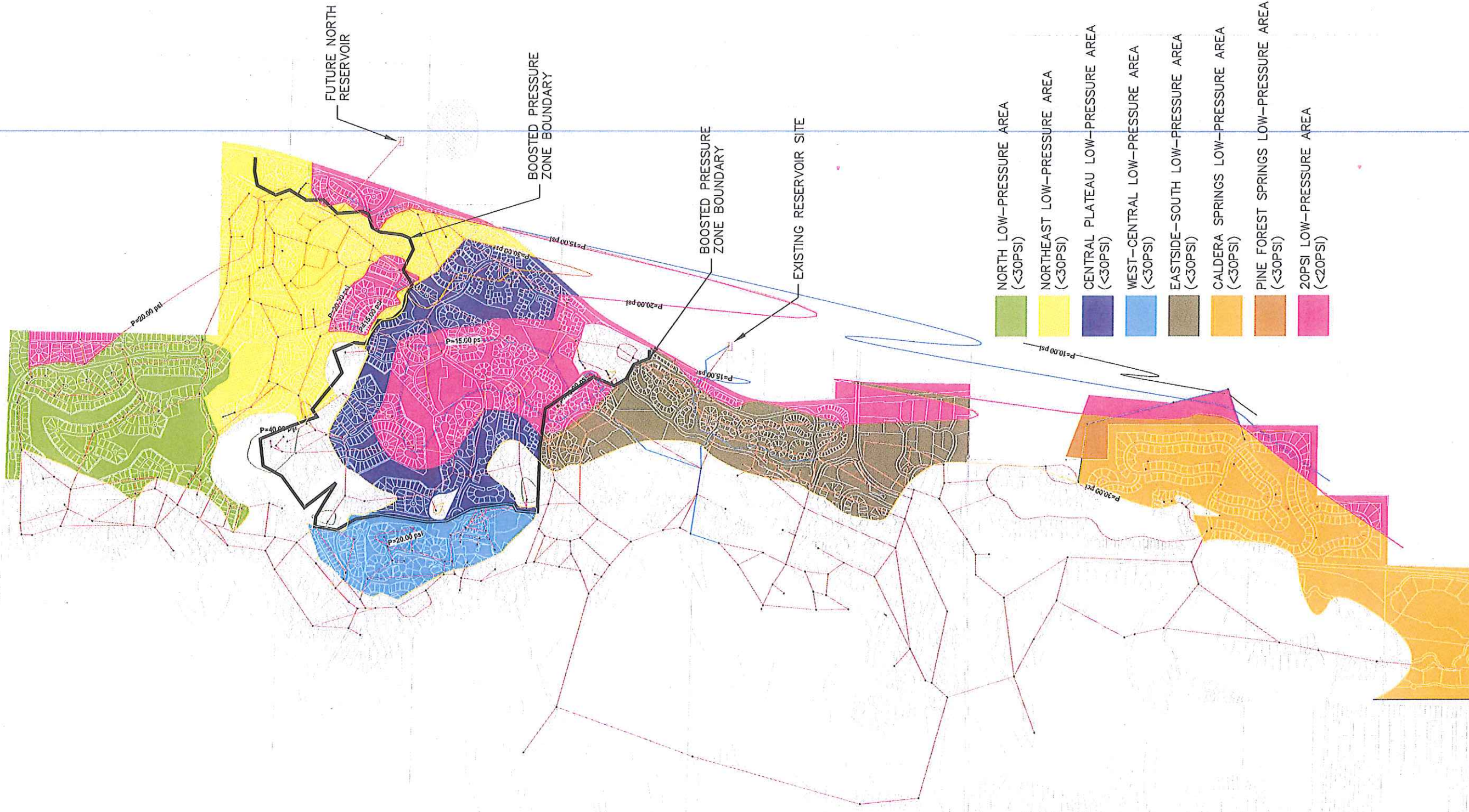
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SHEET INFO			
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			PLOT DATE 4/4/2012
			SUBMITTAL

EXISTING SUNRIVER WATER SYSTEM LAYOUT
 SUNRIVER WATER, LLC
 WATER MASTERPLAN UPDATE
 PROJECT NUMBER 033883
 DRAWING FILE NAME 033883-C-EX01
 SCALE AS SHOWN

SHEET NUMBER
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- NORTH LOW-PRESSURE AREA (<30PSI)
- NORTHEAST LOW-PRESSURE AREA (<30PSI)
- CENTRAL PLATEAU LOW-PRESSURE AREA (<30PSI)
- WEST-CENTRAL LOW-PRESSURE AREA (<30PSI)
- EASTSIDE-SOUTH LOW-PRESSURE AREA (<30PSI)
- CALDERA SPRINGS LOW-PRESSURE AREA (<30PSI)
- PINE FOREST SPRINGS LOW-PRESSURE AREA (<30PSI)
- 20PSI LOW-PRESSURE AREA (<20PSI)

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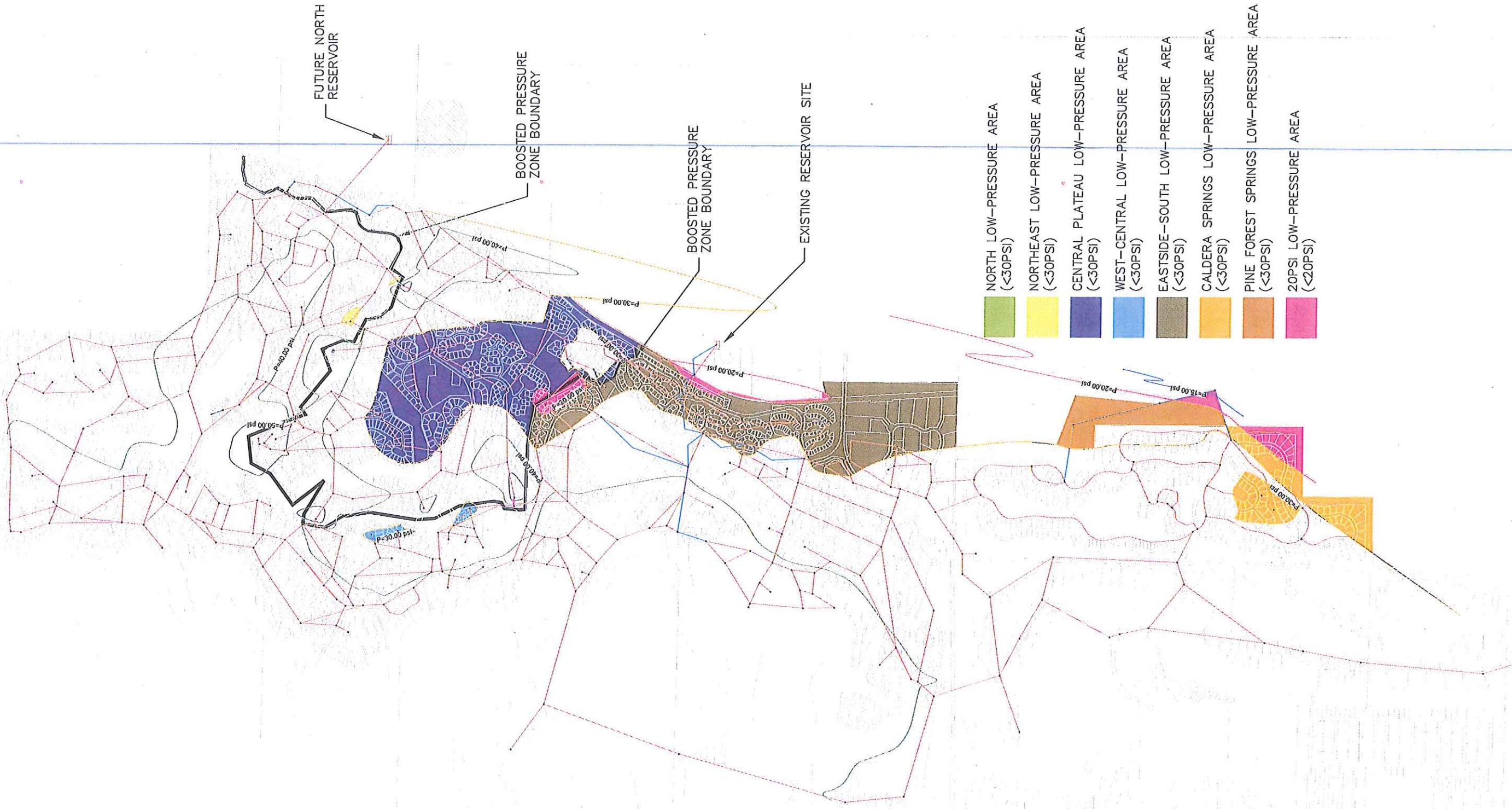
SUNRIVER WATER, LLC
 SUNRIVER WATER
BUILDOUT W/NEW RESERVOIR OFF
EXISTING DISTRIBUTION INFRASTRUCTURE
 SUNRIVER OREGON

SCALE: NTS PROJECT NO: 33883 DRAWING FILE NAME: 33883-LAND-REPORT EXHIBITS

DESIGNED BY: NMB/JEF CHECKED BY: JEF
 DRAWN BY: NMB APPROVED BY: JEF
 LAST EDIT: 11/22/2011 PLOT DATE: 11/23/2011

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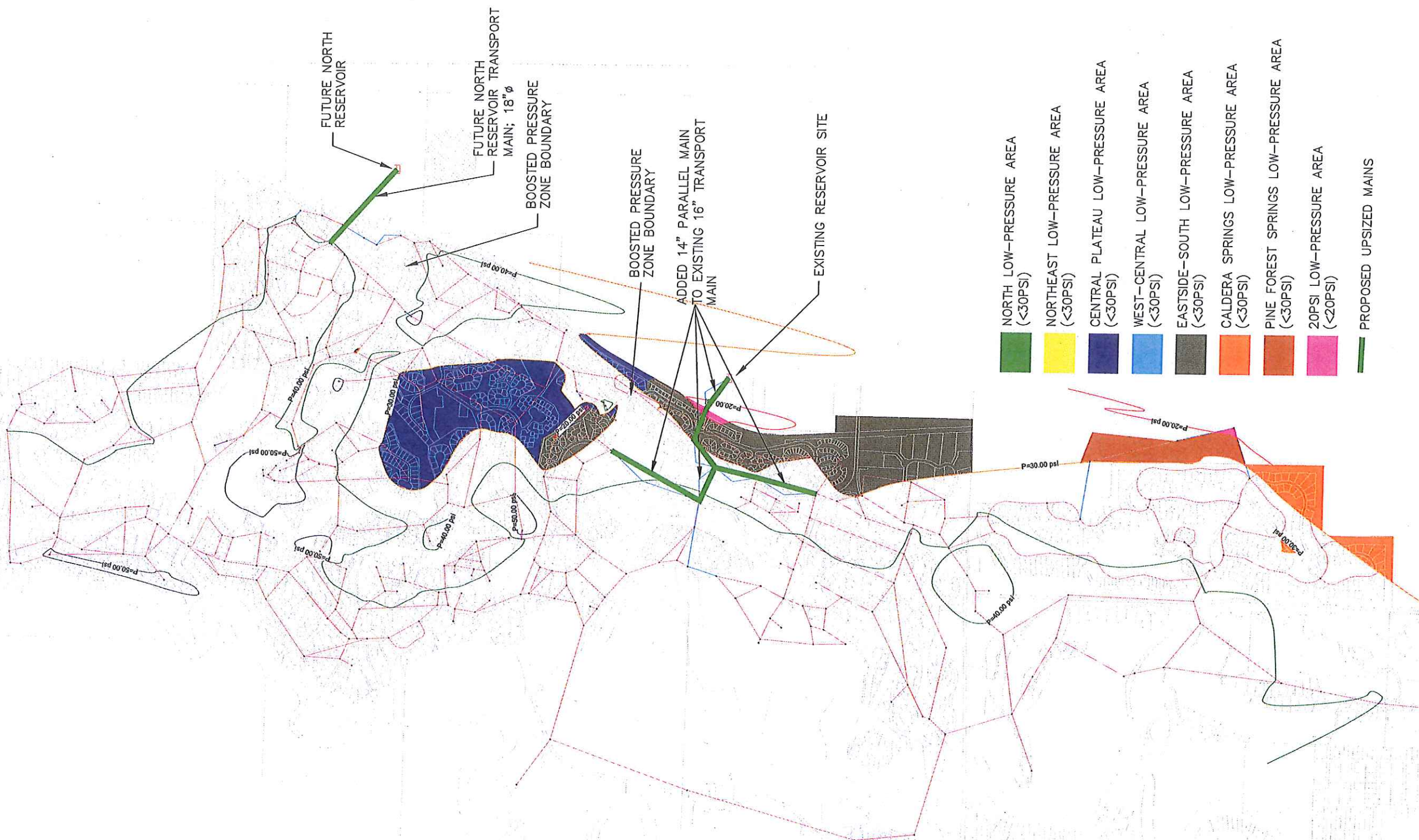
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- NORTHEAST LOW-PRESSURE AREA (<30PSI)
- CENTRAL PLATEAU LOW-PRESSURE AREA (<30PSI)
- WEST-CENTRAL LOW-PRESSURE AREA (<30PSI)
- EASTSIDE-SOUTH LOW-PRESSURE AREA (<30PSI)
- CALDERA SPRINGS LOW-PRESSURE AREA (<30PSI)
- PINE FOREST SPRINGS LOW-PRESSURE AREA (<30PSI)
- 20PSI LOW-PRESSURE AREA (<20PSI)

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 EXISTING DISTRIBUTION INFRASTRUCTURE**
 SUNRIVER OREGON
 SCALE: NTS PROJECT NO: 33883 DRAWING FILE NAME: 33883-LAND-REPORT-EXHIBITS

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			CK/DAPPR

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SUNRIVER WATER, LLC
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BUILDOUT W/NEW RESERVOIR ON IMPROVED DISTRIBUTION INFRASTRUCTURE
 SUNRIVER OREGON
 SCALE: NTS PROJECT NO. 33883 DRAWING FILE NAME: 33883-LAND-REPORT-EXHIBITS

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DRAWN BY: NMB	APPROVED BY: JEF
LAST EDIT: 1/31/2012	PLOT DATE: 1/31/2012
DATE BY (REV#)	REVISION
	CKD/JAPP

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APPENDIX B
WATER CONSUMPTION/WELL PRODUCTION RECORDS

WATER CONSUMPTION

January - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL #14	TOTAL CONSUMPTION
1	1,151,000	0	0	0	1,151,000
2	992,000	0	0	0	992,000
3	880,000	0	0	0	880,000
4	552,000	0	0	0	552,000
5	753,000	0	0	0	753,000
6	684,000	0	0	0	684,000
7	754,000	0	0	0	754,000
8	415,000	0	0	0	415,000
9	603,000	0	0	0	603,000
10	496,000	0	0	0	496,000
11	521,000	0	0	0	521,000
12	497,000	0	0	0	497,000
13	850,000	0	0	0	850,000
14	1,070,000	0	0	0	1,070,000
15	653,000	0	0	0	653,000
16	568,000	0	0	0	568,000
17	714,000	0	0	0	714,000
18	508,000	0	0	0	508,000
19	750,000	0	0	0	750,000
20	783,000	0	0	0	783,000
21	731,000	0	0	0	731,000
22	721,000	0	0	0	721,000
23	603,000	0	0	0	603,000
24	550,000	0	0	0	550,000
25	625,000	0	0	0	625,000
26	738,000	0	0	0	738,000
27	687,000	0	0	0	687,000
28	961,000	0	0	0	961,000
29	544,000	0	0	0	544,000
30	740,000	0	0	0	740,000
31	665,000	0	0	0	665,000
TOTAL	21,759,000	0	0	0	21,759,000

Peak Day Consumption 1,151,000

WATER CONSUMPTION

February - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL #14	TOTAL CONSUMPTION
1	548,000	0	0	0	548,000
2	671,000	0	0	0	671,000
3	861,000	0	0	0	861,000
4	651,000	0	0	0	651,000
5	671,000	0	0	0	671,000
6	732,000	0	0	0	732,000
7	517,000	0	0	0	517,000
8	569,000	0	0	0	569,000

9	716,000	0	0	0	716,000
10	651,000	0	0	0	651,000
11	855,000	0	0	0	855,000
12	503,000	0	0	0	503,000
13	567,000	0	0	0	567,000
14	678,000	0	0	0	678,000
15	589,000	0	0	0	589,000
16	528,000	0	0	0	528,000
17	852,000	0	0	0	852,000
18	801,000	0	0	0	801,000
19	1,034,000	0	0	0	1,034,000
20	816,000	0	0	0	816,000
21	581,000	0	0	0	581,000
22	818,000	0	0	0	818,000
23	551,000	0	0	0	551,000
24	793,000	0	0	0	793,000
25	915,000	0	0	0	915,000
26	533,000	0	0	0	533,000
27	496,000	0	0	0	496,000
28	469,000	0	0	0	469,000
TOTAL	18,966,000	0	0	0	18,966,000

Peak Day Consumption 1,034,000

WATER CONSUMPTION
March - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	490,000	0	0	0	490,000
2	519,000	0	0	0	519,000
3	666,000	0	0	0	666,000
4	763,000	0	0	0	763,000
5	248,000	0	0	0	248,000
6	537,000	0	0	0	537,000
7	617,000	0	0	0	617,000
8	671,000	0	0	0	671,000
9	525,000	0	0	0	525,000
10	672,000	0	0	0	672,000
11	795,000	0	0	0	795,000
12	469,000	0	0	0	469,000
13	485,000	0	0	0	485,000
14	480,000	0	0	0	480,000
15	522,000	0	0	0	522,000
16	534,000	0	0	0	534,000
17	902,000	0	0	0	902,000
18	565,000	0	0	0	565,000
19	425,000	0	0	0	425,000
20	507,000	0	0	0	507,000
21	515,000	0	0	0	515,000
22	523,000	0	0	0	523,000

23	558,000	0	0	0	558,000
24	861,000	0	0	0	861,000
25	586,000	0	0	0	586,000
26	629,000	0	0	0	629,000
27	959,000	0	0	0	959,000
28	722,000	0	0	0	722,000
29	911,000	0	0	0	911,000
30	707,000	0	0	0	707,000
31	1,224,000	0	0	0	1,224,000
TOTAL	19,587,000	0	0	0	19,587,000

Peak Day Consumption 1,224,000

WATER CONSUMPTION

April - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL #14	TOTAL CONSUMPTION
1	615,000	0	0	0	615,000
2	509,000	0	0	0	509,000
3	570,000	0	15,000	0	585,000
4	662,000	0	0	0	662,000
5	756,000	0	0	0	756,000
6	735,000	0	22,000	0	757,000
7	708,000	0	0	0	708,000
8	863,000	0	0	0	863,000
9	486,000	0	0	0	486,000
10	521,000	0	0	0	521,000
11	698,000	0	0	0	698,000
12	705,000	0	0	0	705,000
13	683,000	0	0	0	683,000
14	616,000	0	0	0	616,000
15	706,000	0	0	0	706,000
16	493,000	0	0	0	493,000
17	523,000	0	0	0	523,000
18	616,000	0	0	0	616,000
19	558,000	0	0	0	558,000
20	787,000	0	0	0	787,000
21	537,000	0	0	0	537,000
22	724,000	0	0	0	724,000
23	465,000	0	0	0	465,000
24	659,000	0	0	0	659,000
25	812,000	0	0	0	812,000
26	524,000	0	0	0	524,000
27	950,000	0	0	0	950,000
28	1,276,000	0	0	0	1,276,000
29	849,000	0	0	0	849,000
30	781,000	0	0	0	781,000
TOTAL	20,387,000	0	37,000	0	20,424,000

Peak Day Consumption 1,276,000

WATER CONSUMPTION

May - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	1,333,000	0	0	0	1,333,000
2	1,268,000	0	0	0	1,268,000
3	1,174,000	0	0	0	1,174,000
4	836,000	0	0	0	836,000
5	1,119,000	0	0	0	1,119,000
6	1,020,000	0	0	0	1,020,000
7	826,000	0	0	0	826,000
8	1,423,000	0	0	0	1,423,000
9	1,674,000	0	0	0	1,674,000
10	1,640,000	0	70,000	0	1,710,000
11	1,680,000	566,000	318,000	0	2,564,000
12	1,885,000	404,000	0	0	2,289,000
13	1,576,000	147,000	0	0	1,723,000
14	1,441,000	0	840,000	0	2,281,000
15	1,640,000	248,000	416,000	0	2,304,000
16	1,735,000	285,000	408,000	0	2,428,000
17	1,728,000	252,000	441,000	0	2,421,000
18	1,702,000	476,000	420,000	0	2,598,000
19	2,109,000	431,000	432,000	0	2,972,000
20	1,912,000	227,000	374,000	0	2,513,000
21	1,289,000	184,000	281,000	0	1,754,000
22	1,844,000	298,000	1,014,000	0	3,156,000
23	1,843,000	330,000	1,135,000	0	3,308,000
24	2,052,000	431,000	1,291,000	0	3,774,000
25	1,778,000	246,000	1,363,000	0	3,387,000
26	1,735,000	881,000	1,251,000	0	3,867,000
27	1,744,000	781,000	875,000	0	3,400,000
28	1,738,000	712,000	796,000	0	3,246,000
29	2,008,000	353,000	757,000	0	3,118,000
30	2,019,000	370,000	320,000	0	2,709,000
31	1,796,000	1,008,000	298,000	0	3,102,000
TOTAL	49,567,000	8,630,000	13,100,000	0	71,297,000

Peak Day Consumption 3,867,000

WATER CONSUMPTION

June - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	1,952,000	739,000	388,000		3,079,000
2	2,079,000	1,241,000	334,000		3,654,000
3	1,705,000	835,000	348,000		2,888,000
4	1,577,000	382,000	405,000		2,364,000
5	1,668,000	798,000	374,000		2,840,000
6	1,735,000	187,000	213,000		2,135,000
7	2,035,000	0	240,000		2,275,000
8	1,809,000	340,000	173,000		2,322,000

9	2,042,000	376,000	160,000		2,578,000
10	1,959,000	280,000	190,000		2,429,000
11	1,906,000	307,000	205,000		2,418,000
12	1,924,000	332,000	746,000		3,002,000
13	2,070,000	183,000	762,000		3,015,000
14	1,771,000	871,000	1,185,000		3,827,000
15	1,838,000	790,000	1,109,000		3,737,000
16	1,902,000	1,400,000	935,000		4,237,000
17	1,769,000	929,000	856,000		3,554,000
18	1,813,000	804,000	757,000		3,374,000
19	1,750,000	1,021,000	841,000		3,612,000
20	1,906,000	929,000	307,000		3,142,000
21	2,125,000	863,000	682,000		3,670,000
22	1,602,000	1,093,000	662,000		3,357,000
23	1,786,000	1,269,000	721,000		3,776,000
24	1,877,000	1,257,000	785,000		3,919,000
25	2,005,000	1,158,000	854,000		4,017,000
26	1,883,000	1,216,000	655,000		3,754,000
27	1,889,000	1,191,000	743,000		3,823,000
28	1,990,000	1,411,000	507,000		3,908,000
29	1,849,000	987,000	566,000		3,402,000
30	2,124,000	1,561,000	583,000		4,268,000
TOTAL	56,340,000	24,750,000	17,286,000	0	98,376,000

Peak Day Consumption 4,268,000

WATER CONSUMPTION

July - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL #14	TOTAL CONSUMPTION
1	1,825,000	1,199,000	502,000	0	1,701,000
2	1,627,000	964,000	457,000	0	1,421,000
3	1,826,000	1,604,000	506,000	0	2,110,000
4	2,014,000	1,191,000	799,000	0	1,990,000
5	1,978,000	1,318,000	809,000	0	2,127,000
6	2,078,000	1,636,000	800,000	1,011,000	3,447,000
7	2,167,000	1,730,000	969,000	0	2,699,000
8	1,910,000	1,251,000	818,000	0	2,069,000
9	1,883,000	1,387,000	771,000	548,000	2,706,000
10	1,582,000	934,000	805,000	639,000	2,378,000
11	1,581,000	1,244,000	488,000	445,000	2,177,000
12	1,843,000	1,221,000	463,000	0	1,684,000
13	1,846,000	1,287,000	728,000	428,000	2,443,000
14	238,000	1,104,000	759,000	2,533,000	4,396,000
15	0	743,000	806,000	3,085,000	4,634,000
16	0	140,000	832,000	2,437,000	3,409,000
17	191,000	1,275,000	219,000	2,781,000	4,275,000
18	0	466,000	174,000	2,782,000	3,422,000
19	0	100,000	164,000	1,895,000	2,159,000
20	28,000	371,000	178,000	2,436,000	2,985,000

21	281,000	1,493,000	191,000	2,477,000	4,161,000
22	144,000	892,000	176,000	2,471,000	3,539,000
23	0	450,000	145,000	2,162,000	2,757,000
24	0	724,000	457,000	2,172,000	3,353,000
25	0	722,000	577,000	2,348,000	3,647,000
26	0	492,000	547,000	2,914,000	3,953,000
27	0	806,000	662,000	2,803,000	4,271,000
28	0	1,808,000	1,281,000	2,582,000	5,671,000
29	0	783,000	1,191,000	2,603,000	4,577,000
30	0	787,000	867,000	1,943,000	3,597,000
31	112,000	1,328,000	1,258,000	1,980,000	4,566,000
TOTAL	25,154,000	31,450,000	19,399,000	47,475,000	123,478,000

Peak Day Consumption 5,671,000

WATER CONSUMPTION

August - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	0	1,106,000	549,000	3,161,000	4,816,000
2	53,000	342,000	397,000	2,477,000	3,269,000
3	226,000	605,000	715,000	2,759,000	4,305,000
4	400,000	1,136,000	643,000	2,931,000	5,110,000
5	38,000	2,046,000	663,000	1,580,000	4,327,000
6	0	610,000	653,000	2,224,000	3,487,000
7	175,000	856,000	791,000	3,336,000	5,158,000
8	0	763,000	626,000	2,096,000	3,485,000
9	0	1,048,000	502,000	2,442,000	3,992,000
10	0	446,000	749,000	2,826,000	4,021,000
11	0	1,246,000	686,000	2,857,000	4,789,000
12	0	736,000	612,000	2,138,000	3,486,000
13	131,000	645,000	569,000	3,165,000	4,510,000
14	0	784,000	628,000	2,343,000	3,755,000
15	209,000	0	626,000	2,650,000	3,485,000
16	0	1,031,000	637,000	2,650,000	4,318,000
17	0	1,012,000	916,000	2,778,000	4,706,000
18	135,000	884,000	662,000	2,527,000	4,208,000
19	43,000	697,000	774,000	2,248,000	3,762,000
20	0	665,000	999,000	2,218,000	3,882,000
21	0	963,000	873,000	2,543,000	4,379,000
22	292,000	291,000	823,000	2,103,000	3,509,000
23	0	405,000	986,000	2,814,000	4,205,000
24	0	747,000	764,000	2,499,000	4,010,000
25	0	1,123,000	1,338,000	2,741,000	5,202,000
26	0	741,000	905,000	2,357,000	4,003,000
27	0	281,000	832,000	1,998,000	3,111,000
28	0	641,000	1,098,000	2,576,000	4,315,000
29	79,000	358,000	963,000	2,713,000	4,113,000
30	0	605,000	928,000	2,579,000	4,112,000
31	137,000	545,000	594,000	2,334,000	3,610,000
TOTAL	1,918,000	23,358,000	23,501,000	78,663,000	127,440,000

Peak Day Consumption 5,202,000

WATER CONSUMPTION

September - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	0	87,000	423,000	2,308,000	2,818,000
2	0	743,000	705,000	2,705,000	4,153,000
3	0	252,000	721,000	2,624,000	3,597,000
4	0	322,000	605,000	2,379,000	3,306,000
5	0	316,000	418,000	2,134,000	2,868,000
6	0	263,000	692,000	2,018,000	2,973,000
7	0	0	371,000	2,607,000	2,978,000
8	0	450,000	415,000	2,389,000	3,254,000
9	0	206,000	659,000	2,347,000	3,212,000
10	0	56,000	476,000	1,970,000	2,502,000
11	0	470,000	381,000	2,295,000	3,146,000
12	0	202,000	770,000	2,465,000	3,437,000
13	0	132,000	674,000	2,558,000	3,364,000
14	0	244,000	807,000	2,260,000	3,311,000
15	0	1,069,000	916,000	2,611,000	4,596,000
16	0	230,000	904,000	2,475,000	3,609,000
17	0	232,000	966,000	2,189,000	3,387,000
18	0	235,000	815,000	2,209,000	3,259,000
19	86,000	0	1,156,000	2,299,000	3,541,000
20	0	0	572,000	2,128,000	2,700,000
21	0	0	583,000	2,071,000	2,654,000
22	0	0	706,000	2,451,000	3,157,000
23	0	0	566,000	2,086,000	2,652,000
24	0	0	459,000	1,574,000	2,033,000
25	0	0	543,000	1,973,000	2,516,000
26	0	0	375,000	1,843,000	2,218,000
27	0	0	318,000	1,701,000	2,019,000
28	0	0	275,000	1,757,000	2,032,000
29	0	0	242,000	2,085,000	2,327,000
30	0	0	169,000	1,697,000	1,866,000
TOTAL	86,000	5,509,000	17,682,000	66,208,000	89,485,000

Peak Day Consumption 4,596,000

WATER CONSUMPTION

October - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	0	0	58,000	1,614,000	1,672,000
2	0	0	68,000	1,138,000	1,206,000
3	0	0	301,000	1,512,000	1,813,000
4	0	0	0	1,512,000	1,512,000
5	0	0	0	1,209,000	1,209,000

6	0	0	136,000	1,330,000	1,466,000
7	0	0	45,000	1,113,000	1,158,000
8	0	0	280,000	1,160,000	1,440,000
9	0	0	0	1,118,000	1,118,000
10	0	0	0	1,036,000	1,036,000
11	0	0	0	1,154,000	1,154,000
12	0	0	0	1,234,000	1,234,000
13	0	0	0	975,000	975,000
14	0	0	4,000	1,121,000	1,125,000
15	0	0	323,000	769,000	1,092,000
16	0	0	0	1,075,000	1,075,000
17	0	0	0	711,000	711,000
18	0	0	0	598,000	598,000
19	0	0	0	969,000	969,000
20	0	0	0	733,000	733,000
21	0	0	0	677,000	677,000
22	0	0	0	476,000	476,000
23	0	0	0	697,000	697,000
24	0	0	0	577,000	577,000
25	0	0	0	571,000	571,000
26	0	0	78,000	481,000	559,000
27	0	0	0	713,000	713,000
28	0	0	137,000	548,000	685,000
29	0	0	0	543,000	543,000
30	0	0	275,000	436,000	711,000
31	0	0	0	518,000	518,000
TOTAL	0	0	1,705,000	28,318,000	30,023,000

Peak Day Consumption 1,813,000

WATER CONSUMPTION
November - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	0	0	0	591,000	591,000
2	0	0	0	489,000	489,000
3	0	0	0	676,000	676,000
4	0	0	0	683,000	683,000
5	0	0	0	438,000	438,000
6	0	0	0	438,000	438,000
7	0	0	0	435,000	435,000
8	0	0	0	476,000	476,000
9	0	0	162,000	614,000	776,000
10	0	0	142,000	425,000	567,000
11	0	0	0	700,000	700,000
12	0	0	0	415,000	415,000
13	0	0	0	430,000	430,000
14	0	0	0	490,000	490,000
15	0	0	0	446,000	446,000
16	0	0	0	600,000	600,000
17	0	0	0	430,000	430,000

18	0	0	0	719,000	719,000
19	0	0	0	211,000	211,000
20	0	0	0	495,000	495,000
21	0	0	0	595,000	595,000
22	0	0	0	781,000	781,000
23	0	79,000	0	878,000	957,000
24	0	92,000	0	852,000	944,000
25	0	0	0	1,192,000	1,192,000
26	0	0	0	445,000	445,000
27	0	0	0	432,000	432,000
28	0	0	0	432,000	432,000
29	0	0	0	657,000	657,000
30	0	0	0	434,000	434,000
TOTAL	0	171,000	304,000	16,899,000	17,374,000

Peak Day Consumption 1,192,000

WATER CONSUMPTION

December - 2007

DATE	WELL #2	WELL #9	WELL #12	WELL # 14	TOTAL CONSUMPTION
1	0	0	0	425,000	425,000
2	0	0	0	673,000	673,000
3	0	0	0	432,000	432,000
4	0	0	0	402,000	402,000
5	0	0	0	441,000	441,000
6	0	0	0	485,000	485,000
7	0	0	0	545,000	545,000
8	0	0	0	497,000	497,000
9	0	0	0	423,000	423,000
10	0	0	0	420,000	420,000
11	0	0	0	434,000	434,000
12	0	0	0	643,000	643,000
13	0	0	0	416,000	416,000
14	0	0	0	415,000	415,000
15	0	0	0	645,000	645,000
16	0	0	0	465,000	465,000
17	0	0	242,000	577,000	819,000
18	0	0	0	524,000	524,000
19	0	0	0	453,000	453,000
20	0	0	0	425,000	425,000
21	0	0	0	645,000	645,000
22	0	0	0	630,000	630,000
23	0	0	0	646,000	646,000
24	0	0	0	736,000	736,000
25	0	0	0	871,000	871,000
26	0	0	0	1,147,000	1,147,000
27	0	0	0	806,000	806,000
28	0	0	0	864,000	864,000
29	0	0	0	992,000	992,000
30	0	0	0	1,227,000	1,227,000
31	0	0	0	1,679,000	1,679,000

TOTAL	0	0	242,000	19,983,000	20,225,000
		Peak Day Consumption	1,679,000		

WATER CONSUMPTION

Year End 2007

MONTH	WELL #2	WELL #9	WELL #12	WELL #14	TOTAL CONSUMPTION
January	21,759,000	0	0	0	21,759,000
February	18,966,000	0	0	0	18,966,000
March	19,587,000	0	0	0	19,587,000
April	20,387,000	0	37,000	0	20,424,000
May	49,567,000	8,630,000	13,100,000	0	71,297,000
June	56,340,000	24,750,000	17,286,000	0	98,376,000
July	25,154,000	31,450,000	19,399,000	47,475,000	123,478,000
August	1,918,000	23,358,000	23,501,000	78,663,000	127,440,000
September	86,000	5,509,000	17,682,000	66,208,000	89,485,000
October	0	0	1,705,000	28,318,000	30,023,000
November	0	171,000	304,000	16,899,000	17,374,000
December	0	0	242,000	19,983,000	20,225,000
Total Yearend	213,764,000	93,868,000	93,256,000	257,546,000	658,434,000

APPENDIX C
COMMERCIAL USAGE RECORDS 2007

UNIT #	COM'L USAGE	Address	JAN. USE	FEB. USE	MAR. USE	APR. USE	MAY. USE	JUN. USE	JUL. USE	AUG. USE	SEP. USE	OCT. USE	NOV. USE	DEC. USE	TOTAL
1500000	SR Church (2')		7,450	4,030	3,690	4,080	4,750	6,240	6,100	10,340	5,800	5,050	4,950	3,790	66,070
1600001	Holy Red Church (2')		0	7,000	2,330	3,060	3,000	3,080	2,450	2,990	2,170	3,450	3,340	3,100	35,970
1700001	Mavericks (2')		14,690	12,260	17,180	18,790	17,180	13,640	24,860	22,370	25,790	11,050	10,000	7,800	196,300
1710001	Mavericks Pool (3')		0	0	0	0	0	0	0	0	300	0	10,000	7,800	18,100
1800000	US West Bldg		800	1,400	1,400	730	2,940	5,100	5,330	10,890	5,950	5,160	5,490	810	44,600
2799900	Marketplace (1')		27,600	31,570	29,690	34,750	38,110	43,880	45,080	57,170	45,300	37,000	40,500	30,400	461,040
3700200	River Cabin 2		0	21,930	5,920	5,690	5,620	16,990	24,050	27,580	18,580	13,720	8,690	8,050	156,220
3700300	River Trailer 3		0	2,770	1,080	7,820	7,880	4,690	6,980	10,620	10,230	9,140	5,230	3,080	69,620
3703000	5th Tee RR		0	0	90	40	890	1,890	2,840	3,450	3,840	2,050	940	90	16,120
3703100	13th Green RR		0	0	0	150	620	2,140	2,830	3,410	3,790	1,960	850	0	15,450
3703200	Front 9 NGC		0	5,920	0	0	0	0	14,180	41,680	5,670	6,630	2,000	0	75,480
4102100	Abbot Hse Boiler (2')		16,250	8,560	8,520	11,780	8,770	17,150	27,170	31,450	28,640	14,090	13,450	12,620	198,450
4909900	Ranch Cabin Pool (1')		0	1,180	0	1,780	90	74,980	17,450	28,370	17,840	6,050	0	0	147,740
4915000	Freemont Office (Hoffart) 3/4"		0	2,950	840	1,220	4,070	880	800	750	890	830	850	710	14,790
5203000	Alberello Spa		0	0	0	0	1,150	3,310	2,040	4,810	6,370	4,720	0	0	22,200
5205000	Eslewood Pool		0	0	0	0	19,990	19,860	9,770	12,720	6,910	1,260	0	0	70,510
5305000	The Ridge Pool		0	3,850	520	7,840	2,790	1,760	1,920	4,240	2,700	920	11,430	580	38,550
5305100	The Ridge Spa (1')		0	25,320	9,510	52,100	12,520	18,550	18,380	23,610	28,040	15,020	19,910	0	222,960
5409900	C4-Ranch Pool (1')		0	0	0	0	100,150	16,910	59,780	34,870	22,030	27,290	0	0	261,030
5599900	Skyline Hot Tubs		0	44,520	11,390	11,230	19,940	69,290	87,460	82,880	76,050	41,080	6,660	0	450,500
5599900	Quelah Pool (2')		0	25,550	6,760	3,080	68,090	275,980	271,250	308,760	273,310	80,250	4,780	2,020	1,319,830
5605000	River Vill. Pool (1')		0	0	0	0	480	40,060	7,290	3,910	4,840	3,160	0	0	59,740
5700100	1 Venture (1')		85,140	66,850	78,270	72,400	107,380	116,690	47,800	272,910	157,610	65,630	94,500	63,190	1,248,370
5700200	Library (1')		0	8,460	3,040	3,010	3,380	3,520	4,010	4,570	3,690	4,280	3,670	2,300	43,930
5700303	D. SCHWEITZER		0	0	0	0	70	0	0	10	0	70	0	0	150
5700501	Com'l Center		0	13,080	5,050	4,000	5,390	7,480	19,930	17,080	14,020	15,860	7,540	4,300	113,730
5700601	Com'l Center		0	15,420	3,040	3,210	4,770	10,460	3,590	7,870	4,410	2,860	3,310	2,400	61,340
5700700	O'Neil Property LLC		11,220	12,630	20,110	10,930	11,330	12,090	9,410	12,040	10,350	10,120	12,250	10,930	143,410
5700800	Space Storage		0	13,360	6,410	4,680	11,420	21,600	29,540	30,570	29,970	26,950	6,740	3,620	184,860
5700900	Bowers Bldg. (1')		0	42,900	15,730	20,750	22,770	23,400	28,480	36,370	36,900	23,910	21,490	35,400	308,100
5701101	17 Venture (hammer time)		4,710	3,220	4,730	4,080	10,740	26,140	48,040	83,720	0	1,110	3,270	8,570	198,330
5701200	Sunray/1 Venture		14,200	10,850	12,020	13,660	39,150	151,890	102,220	102,680	113,240	8,610	4,440	4,500	577,460
5701301	2 Venture (1-1/2") Prop. Systems		114,560	100,440	90,400	96,290	103,380	59,190	63,920	61,750	66,330	60,370	71,730	60,100	948,460
5701401	3 Venture (1-1/2") Prop. Systems		31,390	37,970	23,520	16,000	19,580	44,260	29,060	33,060	37,200	19,200	17,400	13,310	321,950
5701500	3B Venture (1-1/2") Wilkes Tire		0	3,630	1,940	1,380	1,540	1,650	1,570	1,750	1,170	1,350	1,390	0	17,370
5701602	5B ENTERPRISE (1") Post Office		0	3,370	1,510	1,200	1,200	1,440	1,450	1,530	1,140	2,090	2,050	1,460	18,400
5701800	Lance Miller SR Storage		0	6,000	2,300	2,200	2,900	5,300	6,800	7,400	11,300	11,700	17,900	10,400	84,200
5701900	7 Enterprise (3/4") micro ridge		0	5,550	2,170	1,740	2,350	2,000	2,180	2,440	2,240	2,060	2,210	1,690	26,330
5702100	Bennington Properties		4,200	4,120	5,130	6,330	8,880	10,340	17,820	24,850	20,300	11,370	14,840	9,740	137,720
5702702	7 Enterprise (1") School		920	870	990	1,030	6,500	104,370	118,090	145,440	163,230	104,650	87,290	6,250	739,630
5702800	7 B Enterprise (1-1/2") James Smith		2,700	2,200	2,700	2,600	3,100	3,000	2,100	2,800	2,300	2,600	2,900	2,500	31,500
5703200	12 Enterprise (3/4")		0	2,610	650	600	400	710	600	830	630	530	560	490	8,600
5703300	Business Park LLC Bldg C		0	2,060	30	30	5,610	15,330	18,290	17,540	13,750	18,820	14,600	106,110	106,110
5705000	Three Rivers Sch. (2')		0	18,760	3,800	12,940	7,050	4,870	110	510	2,940	16,460	4,290	28,470	100,150
5705100	Three Rivers Sch. (2')		6,590	15,390	11,860	26,340	180,690	205,490	203,130	78,270	265,880	92,650	19,060	9,090	1,114,440
5705200	Three Rivers Sch. (2')		12,260	28,480	23,040	18,960	30,990	26,240	2,260	78,450	106,800	28,800	28,230	17,760	399,970
5707101	Store & Gas Sta. (1')		55,410	57,670	60,610	51,020	44,860	60,740	57,340	53,580	57,460	50,230	47,780	37,130	633,630
5707200	Crossroads Car Wash		179,830	219,500	224,430	184,730	186,000	228,890	194,610	148,770	156,200	156,770	187,890	132,620	2,199,240
5710100	4 Venture/Halver.		17,680	20,640	22,470	20,860	23,240	24,990	21,720	23,420	25,520	15,920	2,580	2,090	220,630

5710201 4 Venture/BP Inv't (1") Ridgepine	210	140	180	170	150	120	170	180	110	110	80	1,770
5710301 4 Ven #103/Ridge. (1") Ridgepine	176,170	27,390	40,720	34,800	43,090	33,270	41,180	39,010	36,510	55,680	24,120	585,530
5710404 4 Ven #105 (1") Dees' Cleaning	490	510	810	460	300	440	490	540	350	400	360	5,430
5710502 4 Ven #07/Sunrise (1")	22,820	21,170	23,130	14,320	8,860	21,650	25,870	22,000	9,570	6,540	7,110	187,330
5710600 4 Venture #10889 (1")Exec hse cl	23,470	30,400	25,410	22,370	43,580	36,710	55,210	49,970	27,580	19,190	15,500	381,310
5711203 1 Enterprise Dr (3/4")Cent. OR Eng	0	5,050	27,410	14,230	1,950	21,770	22,050	23,380	15,970	1,490	1,120	147,760
5799800 Powder V. HotTub (1")	0	21,480	9,500	6,870	9,050	103,650	92,610	67,360	30,470	6,200	5,430	464,790
5800100 Sunriver Realty #1	0	0	7,530	5,210	5,300	5,430	5,850	4,550	4,760	5,890	3,770	57,840
5800200 Sunriver Realty #2	0	13,990	7,120	7,450	24,530	36,360	44,140	31,760	13,150	7,280	7,760	232,620
5808100 Vandevent Dog Kennel	2,910	91,800	4,930	1,010	1,420	31,900	33,300	28,400	25,900	11,600	12,400	246,700
5815000 Lodge Spa B	0	36,740	15,330	8,890	9,950	8,800	7,460	10,290	14,310	12,410	9,410	149,780
5819500 Lodge SpaC	0	22,080	9,660	5,060	5,730	12,370	11,240	7,630	16,150	9,020	8,180	115,530
5820002 Lodge Pool (2")	0	0	149,940	44,610	43,050	59,300	155,130	121,560	48,620	30,290	14,890	768,740
5820002 Beaver & Pond.	0	0	0	0	0	0	0	0	0	0	0	0
5830002 Fox & Grizzly	41,000	24,000	25,000	154,000	62,000	252,000	533,000	624,000	272,000	108,000	7,000	2,638,000
5840002 Fox & Grizzly	0	0	0	0	0	0	0	0	0	0	0	0
5850002 Beaver & Pond.	18,820	24,380	20,630	491,110	32,390	92,420	107,120	325,590	-137,290	41,670	14,730	1,148,560
5860002 Fox & Grizzly	125,400	324,680	216,730	232,210	258,050	266,450	133,500	187,020	199,450	242,570	237,410	2,623,450
5870002 Fox & Grizzly	11,110	14,620	11,390	24,190	16,790	58,070	72,710	75,100	34,800	20,280	5,520	416,220
5900902 2 Country Mall (1")	0	79,120	36,730	36,230	41,490	54,530	64,660	48,720	47,490	36,570	27,290	523,640
5901101 South Bend Bistro 2"	8,480	7,100	6,690	8,590	11,320	7,960	18,610	15,870	12,620	9,450	6,940	127,890
5901401 Trout House (1-1/2")	94,940	33,360	3,400	5,250	6,180	289,410	11,190	118,100	66,500	49,100	33,400	718,790
6000100 Homestead (1")	0	46,620	41,380	43,090	42,750	48,320	61,480	34,650	41,110	27,800	33,140	461,940
6000200 Fort Funnigan 3/4"	0	1,700	320	620	4,500	11,950	29,290	22,500	9,950	360	570	103,790
6000800 Housekeeping (2")	280,860	288,020	285,490	280,310	333,710	375,680	434,110	683,100	435,260	373,510	221,720	4,167,030
6001300 Meadows Golf Maint.	0	120,190	9,430	10,980	20,120	22,860	19,810	20,800	15,800	12,050	12,160	285,470
6001400 Admin. Office (1")	0	37,010	13,530	11,230	13,650	15,050	48,810	12,600	11,000	12,160	9,020	210,540
6001500 Corp. Yard (3/4")	9,540	3,450	2,940	3,560	3,760	3,630	3,710	3,190	3,150	3,350	3,480	47,010
6001800 Nature Center	0	0	1,390	3,440	2,120	5,460	6,150	9,370	10,870	3,040	1,710	50,740
6001900 Marcello's (1")	0	97,430	49,480	49,410	55,790	70,170	94,950	69,630	60,050	44,770	37,630	704,010
6002000 N.Golf Maint. (1")	0	1,710	620	3,610	20,320	30,140	33,700	42,090	52,800	41,570	1,150	236,650
6002100 SR Lodge (2")	860,330	753,450	738,270	697,070	916,830	816,930	1,123,980	1,206,380	843,640	833,800	824,060	10,531,890
6002200 S.Golf Maint. (1")	5,500	2,790	2,960	2,160	2,660	9,130	13,940	9,570	4,170	2,370	1,830	67,740
6002302 Stables (1")	0	787,430	172,540	214,650	193,540	243,860	269,480	282,160	121,030	51,570	201,270	2,747,040
6002400 Airport	0	5,460	1,990	3,200	3,110	7,550	8,050	11,230	150,400	146,240	2,660	416,690
6002501 Personnel	2,910	4,770	2,580	1,880	2,130	3,570	2,730	2,330	2,070	2,840	1,900	31,710
6002601 FR-Hill RR (2")	0	1,750	50,070	2,520	1,700	5,670	10,100	12,790	10,780	1,970	500	99,170
6002700 Great Hall (2")	0	19,190	18,150	19,270	22,840	30,910	22,360	31,310	23,990	15,150	22,700	252,500
6002900 Bikeshop/Kids Klub 3/4"	2,090	1,160	1,430	1,670	2,000	3,330	6,020	2,090	600	240	310	26,370
6003000 Tennis Cts. 5&6	0	0	0	0	0	1,790	50	80	10	10	0	2,050
6003200 Treatment Plant	580,550	571,250	552,870	477,700	339,460	528,560	734,330	522,530	773,980	805,590	676,780	7,156,640
6003300 Marina	0	0	0	10	1,100	9,760	42,070	52,970	8,970	410	0	141,130
6003500 McCallum Park	0	0	190	90	150	340	2,260	1,750	1,290	1,730	1,530	10,530
6003600 18th Hole (2")	0	200	90	140	390	4,450	33,640	36,440	28,470	1,690	120	152,900
6003700 Airport Hangers	0	220	30	70	240	230	420	300	600	310	40	2,780
6003800 NG.15th Tee RR	0	0	0	0	0	0	2,100	7,050	11,870	230	0	27,860
6004000 TenCts.Park/Flne	0	0	0	0	0	0	40	40	200	30	0	760
6004101 South Pool (3")	11,500	0	0	0	2,970	7,830	987,550	157,990	104,690	226,010	14,850	1,524,060
6004201 Reservations	840	390	390	390	460	500	570	590	450	380	380	5,900
6004400 Tennis Cts. 1-4	0	0	0	0	0	30	360	90	0	0	0	910
6004501 North Pool (2")	0	0	0	0	49,350	531,470	540,100	301,130	83,890	214,440	1,070	2,063,180
6004700 RV StorageNorth	0	0	0	0	5,540	40,030	25,340	1,130	2,080	0	0	110,890

6004800	Fire Station (2")	0	45,830	23,100	22,270	33,250	108,290	117,840	93,530	56,010	25,190	23,590	17,550	566,450
6005000	Survivor Owners Assoc.(1")	7,650	4,370	3,770	3,660	4,390	4,760	4,490	4,860	4,380	4,010	4,050	3,530	53,960
6006101	Rd Maint. Bldg. (3/4")	5,870	3,660	3,520	2,380	5,710	5,360	3,030	4,590	2,740	2,740	2,970	4,290	46,870
6006500	Great Hall Add. (2")	0	112,230	70,800	39,520	80,970	120,720	107,180	128,340	99,850	102,550	58,500	73,760	994,420
6600000	The Pines Office	0	920	2,970	800	820	1,010	870	1,020	820	960	840	630	11,660
6606000	The Pines Laundry (1")	36,640	34,870	40,270	48,400	45,550	46,870	24,010	95,180	56,830	54,460	39,710	35,240	558,030
6607000	The Pines Rec. (2")	146,310	93,610	132,030	57,350	67,880	81,800	155,310	68,730	62,330	18,040	58,730	965,720	
7004800	STR Maintenance	12,530	13,080	11,950	12,240	13,970	16,390	15,500	22,360	18,890	13,490	11,110	12,240	173,750
7004900	STR Clubhouse (2")	8,480	6,960	21,720	9,380	44,190	117,740	86,230	143,230	118,210	42,640	10,680	5,420	614,880
7109900	Fairway Vill. Pool (1")	0	0	0	3	0	0	0	0	0	0	0	0	3
7399900	Medical Center	13,200	6,880	5,100	6,800	6,790	26,100	29,910	26,600	24,000	11,790	1,360	3,410	161,940
7530200	XH2O Guard Sta.	680	320	1,100	340	430	610	410	1,170	650	660	390	560	7,320
7530300	XH2O Sales (1")	2,150	730	2,940	60,910	4,080	34,450	28,890	26,330	24,460	7,820	1,400	2,080	196,240
7530400	XH2O Clubhse. (2")	220,450	82,200	105,950	85,410	12,280	15,890	408,990	191,000	148,800	100,100	85,200	81,300	1,537,510
7530500	XH2O Golf Maint. (2")	0	6,760	1,540	7,370	2,820	3,970	96,210	48,400	24,700	24,300	3,900	18,000	237,970
7530600	XH2O N.RR	0	0	30	130	4,050	14,050	15,110	15,130	9,700	4,980	440	0	63,620
7530700	XH2O S.RR	0	0	60	90	1,450	3,260	3,980	3,000	5,070	1,730	250	0	18,890
7530900	XH2O Tennis Cts.	100	10	30	60	60	280	160	540	1,040	770	1,400	1,260	5,710
7840200	Caldera Fitness Center	0	1,390	0	8,190	13,640	43,960	16,580	7,500	4,700	3,200	1,200	700	954,000
7840300	The Lake House @ Caldera	0	0	0	0	0	9,820	18,440	9,870	1,020	300	80	0	17,300
7840500	Caldera Pavilion	104,800	100,800	120,350	71,010	114,000	87,660	126,560	150,380	119,760	110,910	66,280	69,470	29,790
7840800	Caldera Sales Trailer	0	0	0	0	0	0	0	0	0	0	0	0	95,030
9998401	Sage Spring Spa (2")	0	0	0	0	0	0	0	0	0	0	0	0	29,790
		104,800	100,800	120,350	71,010	114,000	87,660	126,560	150,380	119,760	110,910	66,280	69,470	1,242,000
121	Total Commercial:	3,446,400	4,955,930	3,858,640	4,125,183	4,279,880	6,383,600	7,571,380	9,602,530	8,073,850	5,255,860	4,687,670	3,463,290	65,704,253
	Average Daily	111,174	176,998	124,472	137,506	138,061	212,787	244,238	306,759	269,130	169,544	156,256	111,719	65,704,253
	Average Monthly Use per Meter	28,483	40,958	31,890	34,092	35,371	52,757	62,573	79,360	66,726	43,437	38,741	28,622	65,704,253
	Average Daily Use per Meter	919	1,463	1,029	1,136	1,141	1,759	2,018	2,560	2,224	1,401	1,291	923	65,704,253

Mall Total August Use= 1,143,680.0 gallons per month
36892.9 gpd
25.6 gpm

										0.0							0.0	
										0.0							0.0	
5900902	2 Country Mall (1")	0	79,120	38,730	36,290	41,490	46,750	54,530	64,660	7.1	48,720	47,490	38,570	27,290	523647.09	4.8	43,637	
5901101	South Bend Bistro 2"	8,480	7,100	6,690	8,590	11,320	7,930	14,290	18,610	2.0	15,870	12,620	9,450	6,940	127892.04	1.2	11,627	
5901401	Trout House (1-1/2")	94,940	33,360	3,400	5,250	6,180	7,960	289,410	11,190	1.2	118,100	66,500	49,100	33,400	718791.23	6.6	65,345	
6000100	Homestead (1")	0	46,620	41,380	43,090	42,750	48,320	41,600	61,480	6.7	34,650	41,110	27,800	33,140	461946.74	4.2	38,496	
6000200	Fort Funnigan 3/4"	0	1,700	320	620	4,500	11,950	26,030	29,290	3.2	22,500	5,950	360	570	103793.21	0.9	12,974	
6000800	Housekeeping (2")	280,860	288,020	285,490	280,310	333,710	375,680	434,110	683,100	74.9	438,260	373,510	221,720	172,260	4167104.9	38.1	347,259	
6001300	Meadows Golf Maint.	0	120,190	9,430	10,980	20,120	22,860	19,810	21,270	2.3	20,800	15,800	12,050	12,160	285472.33	2.6	25,952	
6001400	Admin. Office (1")	0	37,010	13,530	11,230	13,650	15,080	26,450	48,810	5.3	12,600	11,000	12,160	9,020	210545.35	1.9	17,545	
6001500	Corp. Yard (3/4")	9,540	3,450	2,940	3,560	3,760	3,630	3,250	3,710	0.4	3,190	3,150	3,350	3,480	47010.407	0.4	3,918	
6001800	Nature Center	0	4,880	1,390	3,440	2,120	5,460	6,150	9,370	1.0	10,870	3,040	2,310	1,710	50741.027	0.5	4,228	
6001900	Marcello's (1")	0	97,430	49,480	49,410	55,790	70,170	74,500	94,950	10.4	69,830	60,050	44,770	37,630	704020.41	6.4	58,668	
6002000	N.Golf Maint. (1") srip	0	1,710	620	3,610	20,320	30,140	33,700	42,090	4.6	52,800	41,570	8,940	1,150	236654.61	2.2	21,514	
6002100	SR Lodge (2")	860,330	753,450	738,270	697,070	916,830	816,930	917,150	1,123,980	123.2	1,206,380	843,640	833,800	824,060	10532013	96.2	877,668	
6002200	S.Golf Maint. (1") srip	5,500	2,790	2,960	2,160	2,660	9,130	10,660	13,940	1.5	9,570	4,170	2,370	1,830	67741.528	0.6	5,645	
6002302	Stables (1") srip	0	787,430	172,540	214,650	193,540	243,860	209,510	269,480	29.5	282,160	121,030	51,570	201,270	2747069.5	25.1	228,922	
6002400	Airport srip	0	5,460	1,990	3,200	3,110	7,550	8,050	11,230	1.2	150,400	146,240	76,800	2,660	416691.23	3.8	34,724	
6002501	Personnel srip	2,910	4,770	2,580	1,880	2,130	3,570	2,300	2,730	0.3	2,330	2,070	2,540	1,900	31710.299	0.3	2,643	
6002601	FRHill RR (2")	0	1,750	50,070	2,520	1,700	5,670	10,100	12,790	1.4	10,780	1,970	1,320	500	99171.402	0.9	9,016	
6002700	Great Hall (2")	0	19,190	18,150	19,270	22,840	30,910	22,360	31,310	3.4	23,990	26,630	15,150	22,700	252503.43	2.3	21,042	
6002900	Bikeshop/Kids Klub 3/4"	2,090	1,160	1,430	1,670	2,000	3,330	5,430	6,020	0.7	2,090	600	240	310	26370.66	0.2	2,198	
6003000	Tennis Cts. 5&6	0	0	0	0	0	1,790	50	140	0.0	80	10	10	0	2080.0153	0.0	173	
6003200	Treatment Plant srip	580,550	571,250	552,870	477,700	339,460	528,560	592,540	734,830	80.5	522,530	773,980	805,590	676,780	7156720.5	65.4	596,393	
6003300	Marina srip	0	0	0	10	1,100	9,760	25,840	42,070	4.6	52,970	8,970	410	0	141134.61	1.3	14,113	
6003500	McCallum Park	0	0	190	90	150	340	1,200	2,260	0.2	1,750	1,290	1,730	1,530	10530.248	0.1	878	
6003600	19th Hole (2") mcdivots srip	0	200	90	140	390	4,450	33,640	47,270	5.2	36,440	28,470	1,690	120	152905.18	1.4	13,900	
6003700	Airport Hangers	0	220	30	70	240	230	320	420	0.0	300	600	310	40	2780.046	0.0	232	
6003800	NG.15th Tee RR	0	0	0	0	0	0	2,100	7,050	0.8	6,610	11,870	230	0	27860.773	0.3	2,533	
6004000	TenCts.Park/Pine	0	0	0	450	0	0	40	0	0.0	40	200	30	0	760.00438	0.0	63	
6004101	South Pool (3") sroa	11,500	0	0	2,970	7,830	10,670	987,550	108.2	157,990	104,690	226,010	14,850	1524168.2	13.9	138,561		
6004201	Reservations resource center srip	840	390	390	390	460	500	560	570	0.1	590	450	380	380	5900.0625	0.1	492	
6004400	Tennis Cts. 1-4	0	0	0	0	0	30	430	360	0.0	90	0	0	0	910.03945	0.0	76	
6004501	North Pool (2") sroa	0	0	0	49,350	531,470	341,730	540,100	59.2	301,130	83,890	214,440	1,070	2063239.2	18.8	171,937		
6004700	RV StorageNorth	0	0	0	5,540	40,030	36,810	25,340	0	2.8	1,130	2,080	0	0	110932.78	1.0	9,244	
6004800	Fire Station (2")sroa	0	45,830	23,100	22,270	33,250	108,290	117,840	93,530	10.2	56,010	25,190	23,590	17,550	566460.25	5.2	47,205	
6005000	Sunriver Owners Assoc.(1")sroa	7,650	4,370	3,770	3,680	4,390	4,780	4,490	4,860	0.5	4,380	4,010	4,050	3,530	53960.533	0.5	4,497	
6006101	Rd Maint. Bldg. (3/4")	5,870	3,660	3,520	2,390	5,710	5,360	3,030	4,590	0.5	2,740	2,740	2,970	4,290	46870.503	0.4	3,906	
6006500	Great Hall Add. (2")	0	112,230	70,800	39,520	80,970	120,720	107,180	128,340	14.1	99,850	102,550	58,500	73,760	994434.06	9.1	82,870	
6600000	The Pines Office	0	920	2,970	800	820	1,010	870	1,020	0.1	820	960	840	630	11660.112	0.1	972	
6606000	The Pines Laundry (1")	36,640	34,870	40,270	48,400	45,550	46,870	24,010	95,180	10.4	56,830	54,460	39,710	35,240	558040.43	5.1	50,731	
6607000	The Pines Rec. (2")	146,310	93,610	132,030	57,350	67,880	53,600	81,800	155,310	17.0	68,730	62,330	18,040	58,730	995737.02	9.1	90,522	
7004800	STR Maintenance	12,530	13,080	11,950	12,240	13,970	16,390	15,500	22,360	2.5	18,890	13,490	11,110	12,240	173752.45	1.6	14,479	
7004900	STR Clubhouse (2")	8,480	6,960	21,720	9,380	44,190	117,740	86,230	143,230	15.7	118,210	42,640	10,680	5,420	614895.7	5.6	51,241	
7109900	Fairway Vill. Pool (1")	0	0	0	3	0	0	0	0	0.0	0	0	0	0	3	0.0	0	
7399900	Medical Center	13,200	6,880	5,100	6,800	6,790	26,100	29,910	26,600	2.9	24,000	11,790	1,360	3,410	161942.92	1.5	13,495	
7530200	XH2O Guard Sta.	680	320	1,100	340	430	610	410	1,170	0.1	650	660	390	560	7320.1282	0.1	610	
7530300	XH2O Sales (1") cv pool	2,150	730	2,940	60,910	4,080	34,450	28,890	26,330	2.9	24,460	7,820	1,400	2,080	196242.89	1.8	16,354	
7530400	XH2O Clubhse. (2")srip	220,450	82,200	105,950	85,410	12,280	15,890	408,930	191,000	20.9	148,800	100,100	85,200	81,300	1537530.9	14.0	139,776	
7530500	XH2O Golf Maint. (2")srip	0	6,760	1,540	7,370	2,820	3,970	96,210	48,400	5.3	24,700	24,300	3,900	18,000	237975.3	2.2	19,831	
7530600	XH2O N.RR	0	0	30	130	4,050	14,050	15,110	15,130	1.7	9,700	4,980	440	0	63621.658	0.6	5,302	
7530700	XH2O S.RR	0	0	60	90	1,450	3,260	3,980	3,000	0.3	5,070	1,730	250	0	18890.329	0.2	1,574	
7530900	XH2O Tennis Cts., RR Osprey pt	100	10	30	60	60	280	160	540	0.1	1,040	770	1,400	1,260	5710.0592	0.1	476	
7840200	Calders Fitness Center	0	0	0	0	0	0	124,700	200,600	22.0	143,700	164,100	277,800	43,100	954021.98	8.7	159,004	
7840300	The Lake House @ Caldere srip	0	0	0	0	0	0	7,500	0	0.8	4,700	3,200	1,200	700	17300.822	0.2	1,442	
7840500	Calders Pavilion	0	1,390	0	8,190	13,640	43,960	16,580	9,870	1.1	1,020	300	80	0	95031.082	0.9	7,919	
7840800	Calders Sales Trailer	0	0	0	0	0	9,820	18,440	790	0.1	740	0	0	0	29790.087	0.3	2,483	
9998401	Sage Spring Spa (2") srip	104,800	100,800	120,350	71,010	114,000	87,680	126,560	150,380	16.5	119,760	110,910	66,280	69,470	1242016.5	11.3	103,501	
	no domestic lake dump here									0.0					0	0.0	0	
										0.0						0.0		
		3,250,070	4,568,250	3,584,890	3,223,673					0.0						0		

2007 Irrigation Usage Report

Service ID	Size	Address	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1086100	3/4	10 Fawn Lane					900	18,280	18,280	20,250	36,350	29,270	730		138,170
8002900	2	Irr Great Hall	14,200			114,530	134,970	120,950	127,400	187,400	114,010	24,370			636,230
8000000	1	Irr Abbot House				9,110	51,020	92,800	92,800	121,650	76,240	34,360			385,180
8001000	1 1/2	Irr Alberello				110,520	412,320	394,350	804,220	621,270	621,270	387,150	460		2,730,330
8002000	1	Irr Ridge 11/12				13,600	39,570	55,140	82,870	101,460	101,460	53,610	60		346,310
8003001	2	Irr 2 Venture Ln.	43,290			18,070	86,680	149,210	108,200	108,200	120,300	60,090			585,840
8005000	2	Irr #3 Center Drive				24,700	163,720	291,150	316,170	316,170	228,360	56,790			1,078,890
8008000	2	Irr By Guard Shack (CW)				8,180	21,670	288,100	288,100	229,500	129,100	6,500			713,260
8009000	2	Irr Little RV & Nest Pine (CW)						72,200	72,200	228,700	5,800				481,900
8010000	2	Irr by Lake (CW)						455,000	511,300	865,900	570,200	331,800			2,805,400
8011000	3	Irr Fort Rock Park (SROA)	200			70,000	325,740	337,980	340,640	569,020	506,480	139,270	67,850		1,957,350
8012000	2	Irr 24-37 FWV Condo	11,010			12,640	327,040	347,040	476,620	476,620	212,210	212,210	181,810		2,007,190
8012100	2	Irr by Pool FWV Condo				64,990	189,830	170,220	188,000	114,320	24,330				751,690
8013000	2	Irr Great Hall				64,850	294,920	237,970	293,180	264,820	171,750				1,327,490
8014000	1 1/2	Irr Marketplace	460			9,300	104,380	83,720	80,440	240,730	988,030	376,490	890		519,990
8016000	2	Irr Kibyhawk				128,180	914,360	1,000,340	1,277,030	1,277,030	988,030	376,490			4,684,370
8017000	2	Irr Lodge Condo A Court	20					1,230,980	1,214,230	1,304,140	493,470				5,985,920
8018000	2	Irr Lodge Condo B Court				115,760	48,040	43,970	50,120	34,860	8,000				188,090
8019000	2	Irr Lodge Condo C Court				53,020	230,910	222,390	383,290	247,920	94,720		2,380		1,232,690
8020000	2	Irr Lodge Eastside				92,520	386,210	409,520	313,100	231,500	92,570				1,525,220
8022000	2	Irr Lodge Common Rock Wall				73,140	520,550	591,930	756,480	898,390	240,990				3,081,470
8023000	2	Irr South Pool Area				54,000	209,300	299,100	537,000	586,600	172,500				1,833,100
8024000	3	Irr Meadow House Egg				59,100	304,300	625,700	818,500	596,500	155,000				2,589,100
8025000	3	Irr North Meadow House West				31,300	129,900	176,000	394,900	311,300	131,200				1,171,600
8026000	3	Irr North Meadow House 55-57				24,200	412,600	736,600	806,800	806,800	681,500	206,700			786,200
8026000	3	Irr North Meadow House 65-65						85,100	274,000	213,900	93,500				786,200
8029000	2	Irr Min View Condos North						736,600	736,600	806,800	206,700				2,844,200
8030000	2	Irr Min View Condos South						499,800	532,960	480,370	475,380	146,900			2,135,410
8035000	3/4	Irr Nature Center				2,120	32,200	88,870	91,790	64,610	67,510				380,990
8036000	2	Irr on the Green / Eaglewood	8,150			132,870	448,170	511,990	352,760	352,760	176,750		25,740		2,956,360
8037000	2	Irr The Pines	129,390			50,510	229,210	314,250	220,070	245,800	173,080		24,550		1,380,860
8038000	1 1/2	Irr Mavericks Vacation	90,190			6,880	6,840	19,910	18,070	12,960	4,390		7,120		166,230
8040000	2	Irr 1-22 Quelah				53,540	166,110	192,340	223,280	169,520	30,340				838,700
8041000	2	Irr 101 Quelah				50,270	219,560	222,700	223,280	169,520	30,340				1,024,010
8042000	2	Irr 23-32 Quelah				6,260	81,930	54,190	24,240	170					198,320
8043000	2	Irr 67-92 Quelah				40,490	122,910	164,250	209,860	170,210	58,950				766,670
8044000	2	Irr 19-21 The Ridge				17,820	125,240	141,260	262,910	266,270	140,380				953,580
8045000	2	Irr by Pool The Ridge				20,430	88,510	99,770	248,530	241,500	294,560				993,500
8046000	2	Irr Ranch Cabins #6				353,680	769,860	713,390	157,870	36,140					2,640,440
8047000	2	Irr Sage Spring Spa				9,690	42,280	37,400	56,140	36,140					190,710
8048000	1 1/2	Irr Across 8 & 32 River Vill Condos				304,090	236,020	518,090	579,310	405,260	245,330				2,288,100
8051000	1	Irr Peppercorn Circle (SROA Entrance)	2,960			1,360	10	160	44,960	66,030	54,120		2,800		172,400
8052000	2	Irr Stoneridge by #36	66,050			237,560	448,170	511,990	352,760	352,760	176,750		7,850		2,116,980
8053000	2	Irr Stoneridge by Entry	5,810			5,470	33,760	33,480	30,400	30,020	6,940				145,880
8054000	2	Irr Stoneridge by #25 & 27	16,250			84,280	213,080	313,930	281,480	203,580	37,870		1,790		1,152,250
8055000	1 1/2	Irr by #37 The Ridge				16,230	119,880	121,080	268,680	268,680	137,870				1,199,000
8056000	2	Irr Tennis Village 1-20				720	208,230	274,180	334,210	230,560	91,100				1,099,000
8057000	2	Irr Tennis Village by #62				3,052,220	23,110	303,440	537,120	370,530	105,440				4,842,980
8058000	1	Irr Tennis Village 45-48				6,410	31,000	23,370	24,260	26,890	27,380				189,280
8059000	1	Irr Tennis Village 53-56				150	30,570	34,710	47,320	41,520	54,150				685,800
8060000	2	Irr by Wildflowers 8 & 9	10			10,500	50,640	42,820	46,860	36,050	35,550				222,420
8061000	2	Irr by Wildflowers 19				30	30	30	30	30	30		1,600		1,100,970
8062000	2	Irr by Wildflowers 52				4,550	72,830	49,960	49,960	43,410	49,280		13,150		1,832,620
8065001	2	Irr Marcellio's	35,800			50	230	1,020	5,210	11,600	43,410		18,950		324,510
8066000	3/4	Irr Little River Court (CW)						1,020	7,870	25,990	7,870				25,990
8067000	3/4	Irr 7 Crosswater				3,730	4,310	4,310	3,730	3,660	2,590				22,050
8068000	3/4	Irr End of Nest Pine	60			2,390	1,250	1,020	3,570	9,130	6,860				24,000
8069000	2	Irr Nest Pine	15,760			5,080	13,750	204,800	228,300	161,100	33,600				682,190
8071000	2	Irr Twin Rivers North						10,800	140,600	140,600					24,000
8072000	2	Irr Twin Rivers Middle						6,800	97,900	120,400	32,100				151,440
8073000	2	Irr Landscape Ser. 200 SW Well 12(CW)	18,420			4,600	12,580	70,900	70,900	47,100	15,900		137,700		257,200
8074000	2	Irr Three Rivers School	10			153,800	559,900	1,112,010	180,800	484,120	19,990				377,500
8075000	3/4	Irr LIS # 6 (Crosswater)						2,190	2,190	5,920	5,370				2,506,630
8076000	3/4	Irr LIS # 7 (Crosswater)						8,890	8,890	15,700	13,460				13,460
8077000	3/4	Irr Eyebrow by Lot 76	980			5,020	3,040	2,640	2,640	3,570	990				49,700
8078000	2	Irr Behind LIS #7 (Crosswater)	70			970	3,580	3,580	3,580	3,580	3,580				5,610
8079000	2	Irr @ 57 & 58 Twin Rivers DR. (CW)	29,480			9,500	11,330	54,220	41,770	16,630	10,690		4,070		177,690
8080000	2	Irr @ 87 Twin Rivers DR. (CW)						313,650	313,650	390,700	83,740				1,457,350
8081000	1 1/2	Irr Crosswater Clubhouse	4,290			37,950	61,760	57,700	67,640	46,370	7,630				283,340
8082000	1	Irr Stoneridge Tennis Courts						267,990	313,650	295,730	83,740				1,457,350
8083000	3/4	Irr Spacemaker						67,640	67,640	46,370	7,630				283,340
8083500	3/4	Irr Entrance to Business Park													0
8084000	2	Irr Business Park Storage													0
8085000	2	Irr Crosswater Pool House	24,110			7,480	8,660	12,470	14,520	14,520	13,910	1,510			86,330
8086000	2	Irr by Lot #5 Osprey Point (CW)	11,920			1,560	8,670	72,200	66,100	66,100	2,800				163,050
8087000	2	Irr by #5 & #6 Caroo Camp (CW)	211,440			12,280	45,890	559,500	713,900	661,700	183,300				2,388,010
8088000	1 1/2	Irr Tennis Courts Osprey Point	5,430			400	1,400	436,200	1,189,000						

APPENDIX D
IRRIGATION USAGE RECORDS 2007

2007 Irrigation Usage Report

All colored are stand alone irrigation meters, all others are irrigation of multifamily dwellings.

Service ID	Size	Address	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	annual basis	
																edus 9125 gallons/month/edu	
1086100	3/4	10 Fawn Lane				14,200	800	18,290	18,280	20,250	36,350	29,270	730		138,170	1.26	
6002800	2	Irrg Great Hall					114,530	134,970	120,950	187,400	114,010	24,370			696,230	6.36	
8000000	1	Irrg Abbot House					9,110	51,020	92,800	121,650	76,240	34,360			385,180	3.52	
8001000	1 1/2	Irrg Alberello					110,520	412,320	394,350	804,220	621,270	387,190	460		2,730,330	24.93	
8002000	1	Irrg Ridge 11/12					13,600	39,570	55,140	82,870	101,460	53,610	60		346,310	3.16	
8003001	2	Irrg 2 Venture Ln.				43,290	18,070	66,680	149,210	108,200	120,300	60,090			565,840	5.17	
8005000	2	Irrig #3 Center Drive					24,700	163,720	291,150	316,170	226,360	56,790			1,078,890	9.85	
8006000	2	Irrig #4 Center Drive													0	0.00	
8008000	2	Irrg By Guard Shack (CW)				30,210	8,180	21,670	288,100	229,500	129,100	6,500			713,260	6.51	
8009000	2	Irrg Little RV & Nest Pine (CW)							72,200	228,700	125,200	5,800			431,900	3.94	
8010000	2	Irrg by Lake (CW)													0	0.00	
8011000	3	Irrg Fort Rock Park (SROA)				200	70,000	455,000	511,300	866,900	570,200	331,800			2,805,400	25.62	
8012000	2	Irrg 24-37 FWV Condo				11,010		325,740	337,980	569,020	506,480	139,270	67,850		1,957,350	17.88	
8012100	2	Irrg by Pool FWV Condo					12,640	327,040	340,640	476,620	476,230	212,210	161,810		2,007,190	18.33	
8013000	2	Irrg Great Hall					64,990	189,830	170,220	188,000	114,320	24,330			751,690	6.86	
8014000	1 1/2	Irrg Marketplace					64,850	294,920	237,970	293,180	264,820	171,750			1,327,490	12.12	
8016000	2	Irrg Kittyhawk				460	9,300	104,390	83,720	80,440	240,730		890		519,930	4.75	
8017000	2	Irrg Lodge Condo A Court					128,180	914,360	1,000,340	1,277,030	988,030	376,430			4,684,370	42.78	
8018000	2	Irrg Lodge Condo B Court				20									20	0.00	
8019000	2	Irrg Lodge Condo C Court					115,780	1,230,980	1,214,230	1,627,380	1,304,140	493,410			5,985,920	54.67	
8020000	2	Irrg Lodge Eastside					10,720	48,040	43,970	50,120	34,860	8,000	2,380		198,090	1.81	
8021000	2	Irrg Lodge Common Rock Wall					53,020	230,910	222,390	383,290	247,920	94,720	380		1,232,630	11.26	
8022000	2	Irrg South Pool Area					92,320	386,210	409,520	313,100	231,500	92,570			1,525,220	13.93	
8023000	2	Irrg Circle 4 Ranch					73,140	520,550	591,930	756,480	898,390	240,980			3,081,470	28.14	
8024000	3	Irrg Meadow House Egg					34,000	209,900	299,100	537,000	580,600	172,500			1,833,100	16.74	
8025000	3	Irrg Meadow House West					59,100	304,300	625,700	818,500	596,500	155,000			2,559,100	23.37	
8026000	3	Irrg North Meadow House 49-57					31,300	126,900	176,000	394,900	311,300	131,200			1,171,600	10.70	
8027000	3	Irrg North Meadow House 58-65					24,200	101,600	89,100	274,000	213,800	93,500			796,200	7.27	
8026000	3	Irrg North Meadow House 66-90						412,600	736,600	806,800	681,500	206,700			2,844,200	25.97	
8029000	2	Irrg Mtn View Condos North													0	0.00	
8030000	2	Irrg Mtn View Condos South						499,800	532,960	480,370	475,380	146,900			2,135,410	19.50	
8035000	3/4	Irrg Nature Center				8,150	2,120	32,200	88,870	91,790	64,610	67,510	25,740		380,990	3.48	
8036000	2	Irrg on the Green / Eaglewood					132,870	427,750	650,280	929,190	560,870	255,400			2,956,360	27.00	
8037000	2	Irrg The Pines				129,390	50,510	223,210	314,250	220,070	245,800	173,080	24,550		1,380,860	12.61	
8038000	1 1/2	Irrg Mavericks Vacation				90,190	6,980	6,640	19,910	18,070	12,930	4,390	7,120		166,230	1.52	
8039000	2	Irrg 1-22 Quelah					53,540	166,110	192,340	223,280	168,520	34,910			838,700	7.66	
8040000	2	Irrg 101 Quelah					50,270	219,560	222,700	253,090	198,050	80,340			1,024,010	9.35	
8041000	2	Irrg 23-32 Quelah					6,260	61,930	51,530	54,190	24,240	170			198,320	1.81	
8042000	2	Irrg 67-92 Quelah					40,490	122,910	164,250	209,860	170,210	58,950			766,670	7.00	
8043000	2	Irrg 19-21 The Ridge					17,520	125,240	141,260	262,910	266,270	140,380			953,580	8.71	
8044000	2	Irrg by Pool The Ridge				200	20,430	88,510	99,770	248,530	294,560	241,500			993,500	9.07	
8045000	2	Irrg Ranch Cabins #6						353,680	769,860	645,540	713,390	157,970			2,640,440	24.11	
8047000	2	Irrg Sage Spring Spa					9,690	42,280	37,400	56,140	36,140	9,060			190,710	1.74	
8048000	1 1/2	Irrg Across 8 & 32 River Vill. Condos					304,090	236,020	518,090	579,310	405,260	245,330			2,288,100	20.90	
8051000	1	Irrg Peppermill Circle (SROA Entrance)				2,960	1,360	10	160	44,960	66,030	54,120	2,800		172,400	1.57	
8052000	2	Irrg Stoneridge by #36				66,050	237,560	315,850	448,170	511,990	352,760	176,750	7,850		2,116,980	19.33	
8053000	2	Irrg Stoneridge by Entry				5,810	5,470	33,760	33,480	30,400	30,020	6,940			145,880	1.33	
8054000	2	Irrg Stoneridge by #26 & 27				16,250	84,280	213,080	313,930	281,480	203,580	37,870	1,790		1,152,260	10.52	
8055000	1 1/2	Irrg by #37 The Ridge					16,230	119,880	121,080	265,680	268,650	137,870			929,390	8.49	
8056000	2	Irrg Tennis Village 1-20					720	208,230	274,180	334,210	230,560	91,100			1,139,000	10.40	
8057000	2	Irrg Tennis Village by #62				3,052,220	23,110	303,440	451,320	537,120	370,530	105,240			4,842,980	44.23	
8058000	1	Irrg Tennis Village 45-48					6,410	31,000	23,370	24,260	26,890	27,360			139,290	1.27	

8059000	1	Irrg Tennis Village 53-56	10	150	20,570	34,710	47,320	41,520	541,520		685,800	6.26
8060000	1	Irrg Tennis Village 49-52		10,500	50,640	42,820	46,860	36,050	35,550		222,420	2.03
8061000	2	Irrg by Wildflowers 8 & 9			262,720	265,620	255,910	280,180	34,940	1,600	1,100,970	10.05
8062000	2	Irrg by Wildflowers 19		30	467,690	329,620	433,560	561,420	60,300		1,852,620	16.92
8063000	2	Irrg by Wildflowers 52		400	338,660	357,240	655,670	696,500	63,490	13,150	2,125,110	19.41
8065001	2	Irrg Marcello's	35,600	4,550	72,830	49,960	49,950	43,410	49,260	18,950	324,510	2.96
8066000	3/4	Irrg Little River Court (CW)	50	230		1,020	5,210	11,600	7,870		25,980	0.24
8067000	3/4	Irrg 7 Crosswater	40	3,420	4,310	3,730	4,300	3,660	2,590		22,050	0.20
8068000	3/4	Irrg End of Nest Pine	60	2,390	1,250	1,020	3,570	9,130	6,580		24,000	0.22
8069000	2	Irrg Nest Pine	15,760	5,080	13,750	204,600	228,300	161,100	33,600		662,190	6.05
8071000	2	Irrg Twin Rivers North			40		10,800	140,600			151,440	1.38
8072000	2	Irrg Twin Rivers Middle				6,800	97,900	120,400	32,100		257,200	2.35
8073000	2	Irrg Landscape Ser. 200' SW Well 12(CW)	18,420	4,600	12,580	70,900	70,300	47,100	15,900	137,700	377,500	3.45
8074000	2	Irrg Three Rivers School	10	153,800	555,900	1,112,010	180,800	484,120	19,990		2,506,630	22.89
8075000	3/4	Irrg L/S # 6 (Crosswater)					2,190	5,920	5,370		13,480	0.12
8076000	3/4	Irrg L/S # 7 (Crosswater)	980	5,020	3,040	2,640	8,860	15,700	13,460		49,700	0.45
8077000	3/4	Irrg 'Eyebrow' by Lot 76	70	970		3,580		990			5,610	0.05
8078000	2	Irrg Behind L/S # 7 (Crosswater)	29,480	9,500	11,330	54,220	41,770	16,630	10,690	4,070	177,690	1.62
8081000	1 1/2	Irrg Crosswater Clubhouse			105,540	267,990	313,650	390,700	295,730	83,740	1,457,350	13.31
8082000	1	Irrg Stoneridge Tennis Courts	4,290	37,950	61,760	57,700	67,640	46,370	7,630		283,340	2.59
8083000	3/4	Irrg Spacemaker									0	0.00
8083100	3/4	Irrg Entrance to Business Park									0	0.00
8083500	3/4	Irrg Business Park Storage	24,110	7,480	8,660	12,470	14,520	15,670	13,910	1,510	98,330	0.90
8084000	2	Irrg Crosswater Pool House	11,920	1,560	8,670	72,200	66,100		2,600		163,050	1.49
8085000	2	Irrg by Lot #5 Osprey Point (CW)	211,440	12,280	45,890	559,500	713,900	661,700	183,300		2,388,010	21.81
8086000	2	Irrg by #5 & #6 Canoe Camp (CW)		16,390	55,540	436,200	1,183,000	813,300	262,400		2,766,830	25.27
8087000	1 1/2	Irrg Tennis Courts Osprey Point	5,430	400	1,400	14,300	14,000	13,900	6,200		55,630	0.51
8088000	1 1/2	Irrg Crossroad Service Station	1,460	84,000	148,800	301,910	251,050	274,760	177,900		1,239,880	11.32
8089000	2	Irrg Sunriver Library	30	23,810	34,740	32,030	32,000	34,280	24,180		181,070	1.65
8090000	1	Irrg Trout House			100			1,830	1,050		2,980	0.03
8091000	2	Irrg River Lodges		115,320	259,910	211,110	351,650	292,160	86,490		1,316,640	12.02
8092000	1 1/2	Irrg Circle 4 Ranch by #29	10	30,280	227,400	200,670	382,110	488,510	128,880		1,457,860	13.31
8093000	3/4	Irrg by Cluster Cabins #36		3,250	23,210	24,660	24,290	26,020	19,550	4,570	125,550	1.15
8094000	3/4	Irrg Field #11 (SRLP/John Russell)	1,160				2,650	180	810	6,740	11,540	0.11
8095000	3/4	Irrg Field #3 (SRLP/John Russell)	10			1,170	1,310	1,260	650	140	4,540	0.04
8096000	3/4	Irrg Hanger Field (SRLP)	10		380	2,450	1,970	1,810	1,010		7,630	0.07
8097000	3/4	Irrg Field #7 (SRLP/John Russell)			6,870	7,700	2,120	2,340	13,020	1,960	34,010	0.31
8098000	3/4	Irrg 7 Micro Ridge (Business Park)	2,290	13,030	22,360	26,350	29,470	32,330	8,260	2,910	137,000	1.25
8099000	3/4	Irrg #5 Venture Lane	1,590	20	1,930	8,700	8,640	9,170	9,230	2,850	42,130	0.38
8100000	3/4	Irrg Field #10 (SRLP/John Russell)	929,500	10							929,510	8.49
8101000	2	Irrg North Course Estates (NCOA)	2,180	183,010	354,990	403,140	490,610	425,710	288,530	5,490	2,153,660	19.67
8101100	1 1/2	Irrg SROA Admin/Police Bldg.	83,790	100,780	337,000	168,960	171,840	154,870	71,560		1,088,800	9.94
8101300	2	Irrg Woodlands/19th Hole (SRLP)	9,050	123,830	503,140		190,320	142,140	140,190	1,870	1,110,540	10.14
8101400	1	Irrg Fort Funnigan/Sage Springs (SRLP)	106,740					10			106,750	0.97
8101500	1	Irrg Aquila Lodge		71,910	242,140	287,010	289,250	296,900	108,420		1,295,630	11.83
8101600	1 1/2	Irrg / Truck Fill SROA Public Works	35,840	8,260	30,360	50,840	69,940	35,310	4,880		235,430	2.15
8101700	1	Irrg Stoneridge across from #27	2,460	9,270	66,430	150,270	87,080	173,280	4,500	1,190	494,480	4.52
8101800	1 1/2	Irrg 56898 4 Enterprise Storage Systems		75,600	74,400	132,700	177,600	156,400	174,200	5,000	795,900	7.27
8101900	3/4	Irrg by Cluster Cabins #25		1,160	26,900	43,570	41,240	42,130	20,870	2,130	178,000	1.63
8102000	1	Irrg Holy Trinity Church			8,820	7,630	9,100	8,430	13,300	3,150	50,430	0.46
8102100	3/4	Irrg 56885 Enterprise									0	0.00
8102500	1	Irrg Bennington Building (BP)		14,690	19,750	18,450	17,050	19,610	8,820		98,370	0.90
8102800	1	Irrg 56866 Enterprise Business Park	18,750	38,320	25,630	23,320	24,160	24,180	7,310	840	162,510	1.48
8104000	3/4	Irrg 57084 Grizzly Ln. (Hoffart Building)			27,970	42,810	42,030	17,150	15,350		145,310	1.33
8104100	1 1/2	Irrg West Freemont Crossing	37,230	106,110	171,380	269,270	345,870	297,330	201,420	9,220	1,437,830	13.13
8104200	1 1/2	Irrg Across fr. Unit 10 Freemont Cross.	2,320	7,160	11,350	16,020	22,200	22,800	16,330		98,180	0.90
8104300	1 1/2	Irrg Across fr. Unit 42 Freemont Cross.	27,460	82,000	122,820	154,750	232,850	239,780	189,070	690	1,049,420	9.58
total irrigation EDUs at 300 gpd/edi											0	947.11

											nonresidential	0	212.92
Total		5,090,160	3,687,020	15,936,600	20,634,050	26,005,690	22,740,240	9,084,260	530,140	0	103,708,160		
7530100	3		458,700								458,700		
7530800	3	23,300	2,445,500	837,300	21,599,500	10,022,900	6,405,800	1,169,600			42,503,900		
7531100	3			9,202,000	10,042,600	11,008,400	7,626,500	2,608,700			40,488,200		
7870100	3			115,580	18,854,800	9,921,100	14,031,900	4,478,500	784,000	239,800	48,425,680		
Total		23,300	2,904,200	10,154,880	50,496,900	30,952,400	28,064,200	8,256,800	784,000	239,800	131,876,480		
											Total Irrigation Water Sold	235,584,640	
											Total Water Sold From Well 12	88,913,880	

APPENDIX E
OREGON DEPARTMENT OF HUMAN SERVICES DATA



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OR41 00846 **SUNRIVER WATER LLC/SUNRIVER UTILITIES** **Classification: COMMUNITY**

<p>Contact: TERRY PENHOLLOW PO BOX 3699 SUNRIVER, OR 97702</p> <p>Population: 2,500</p> <p>Operating Period: January 1 to December 31</p> <p>Certified Operator(s) Required: Y Distribution class: 2 Treatment class: None Filtration Endorsement Required: No</p>	<p>Phone: 541-593-4197</p> <p>County: DESCHUTES</p> <p>Activity Status: ACTIVE May 26, 1994 -- History</p> <p>Number of Connections: 4,324</p> <p>Regulating Agency: DESCHUTES COUNTY</p> <p>Owner Type: PRIVATE</p> <p>Licensed By: N/A</p> <p>Approved Drinking Water Protection Plan: No</p> <p>Source Water Assessment: Yes</p> <p>Last Survey Date: Apr 14, 2011</p>
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Sources

<u>Facility ID</u>	<u>Facility Name</u>	<u>Well Logs</u>	<u>Activity Status</u>	<u>Availability</u>	<u>Source Type</u>
EP-B	EP for WELL #2 (PRIMARY)		A		GW
SRC-BA	WELL #2 (DESC 5749) - PRIMARY		A	Permanent	GW
EP-C	EP for WELL #9 (PRIMARY)		A		GW
SRC-CA	WELL #9 (DESC 5744) - PRIMARY		A	Permanent	GW
EP-E	EP FOR WELL #14 (L84233)		A		GW
SRC-EA	WELL #14 (L84233)		A	Permanent	GW

[Show Disconnected and Abandoned Sources](#)

Treatment

<u>State ID</u>	<u>Facility Name</u>	<u>Treatment Process</u>	<u>Treatment Objective</u>	<u>Filter Type</u>
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Consumer Confidence Reports

<u>For Year</u>	<u>Date Received</u>	<u>Date Certified</u>
2010	Jul 01, 2011	Jul 01, 2011
2009	Jun 28, 2010	Jun 28, 2010
2008	Jun 26, 2009	Jun 26, 2009
2007	Jun 23, 2008	Jun 23, 2008

Cross-Connection Annual Summary Reports

<u>Ordinance Received</u>	<u>Ordinance Status</u>	<u>ASR Received</u>
Yes	Final	2009
		2008
		2007



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[Coliform fact sheets](#)

PWS ID: 00846 ---- SUNRIVER WATER LLC/SUNRIVER UTILITIES

Current Coliform Summary History

Samples Required	Sample Type	Number of Samples Reported					Period Type
		Routines Reported	Routine TC+	Routine FC+	Repeats Reported	Repeat TC+	
2	RT						
							MONTH
Spreadsheet							
Period End Date	Routines Reported	Routine TC+	Routine FC+	Repeats Reported	Repeat TC+	Repeat FC+	Period Type
Aug 31, 2011	5	0	0	0	0	0	MN
Jul 31, 2011	4	0	0	0	0	0	MN
Jun 30, 2011	4	0	0	0	0	0	MN
May 31, 2011	5	0	0	0	0	0	MN
Apr 30, 2011	4	0	0	0	0	0	MN
Mar 31, 2011	5	0	0	0	0	0	MN
Feb 28, 2011	4	0	0	0	0	0	MN
Jan 31, 2011	4	0	0	0	0	0	MN
Dec 31, 2010	0	0	0	0	0	0	3Y
Dec 31, 2010	0	0	0	0	0	0	9Y
Dec 31, 2010	4	0	0	0	0	0	MN
Dec 31, 2010	0	0	0	0	0	0	YR
Nov 30, 2010	5	0	0	0	0	0	MN
Oct 31, 2010	4	0	0	0	0	0	MN
Sep 30, 2010	4	0	0	0	0	0	MN
Aug 31, 2010	5	0	0	0	0	0	MN
Jul 31, 2010	4	0	0	0	0	0	MN
Jun 30, 2010	5	0	0	0	0	0	MN
May 31, 2010	4	0	0	0	0	0	MN
Apr 30, 2010	4	0	0	0	0	0	MN
Mar 31, 2010	5	0	0	0	0	0	MN
Feb 28, 2010	4	0	0	0	0	0	MN
Jan 31, 2010	4	0	0	0	0	0	MN
Dec 31, 2009	5	0	0	0	0	0	MN
Dec 31, 2009	0	0	0	0	0	0	YR
Nov 30, 2009	4	0	0	0	0	0	MN
Oct 31, 2009	4	0	0	0	0	0	MN
Sep 30, 2009	5	0	0	0	0	0	MN
Aug 31, 2009	4	0	0	0	0	0	MN
Jul 31, 2009	4	0	0	0	0	0	MN
Jun 30, 2009	5	0	0	0	0	0	MN
May 31, 2009	4	0	0	0	0	0	MN
Apr 30, 2009	4	0	0	0	0	0	MN
Mar 31, 2009	5	0	0	0	0	0	MN
Feb 28, 2009	4	0	0	0	0	0	MN
Jan 31, 2009	4	0	0	0	0	0	MN
Dec 31, 2008	5	0	0	0	0	0	MN
Dec 31, 2008	0	0	0	0	0	0	YR
Nov 30, 2008	4	0	0	0	0	0	MN
Oct 31, 2008	4	0	0	0	0	0	MN
Sep 30, 2008	5	0	0	0	0	0	MN
Aug 31, 2008	4	0	0	0	0	0	MN
Jul 31, 2008	4	0	0	0	0	0	MN
Jun 30, 2008	5	0	0	0	0	0	MN
May 31, 2008	4	0	0	0	0	0	MN
Apr 30, 2008	4	0	0	0	0	0	MN
Mar 31, 2008	4	0	0	0	0	0	MN
Feb 29, 2008	4	0	0	0	0	0	MN
Jan 31, 2008	5	0	0	0	0	0	MN
Dec 31, 2007	0	0	0	0	0	0	3Y
Dec 31, 2007	4	0	0	0	0	0	MN
Dec 31, 2007	0	0	0	0	0	0	YR
Nov 30, 2007	4	0	0	0	0	0	MN
Oct 31, 2007	4	0	0	0	0	0	MN
Sep 30, 2007	4	0	0	0	0	0	MN

Aug 31, 2007	4	0	0	0	0	0	MN
Jul 31, 2007	5	0	0	0	0	0	MN
Jun 30, 2007	4	0	0	0	0	0	MN
May 31, 2007	5	0	0	0	0	0	MN
Apr 30, 2007	4	0	0	0	0	0	MN
Mar 31, 2007	4	0	0	0	0	0	MN
Feb 28, 2007	4	0	0	0	0	0	MN
Jan 31, 2007	4	0	0	0	0	0	MN
Dec 31, 2006	4	0	0	0	0	0	MN
Dec 31, 2006	0	0	0	0	0	0	YR
Nov 30, 2006	3	0	0	0	0	0	MN
Oct 31, 2006	5	0	0	0	0	0	MN
Sep 30, 2006	3	0	0	0	0	0	MN
Aug 31, 2006	5	0	0	0	0	0	MN
Jul 31, 2006	4	0	0	0	0	0	MN
Jun 30, 2006	4	0	0	0	0	0	MN
May 31, 2006	3	0	0	0	0	0	MN
Apr 30, 2006	4	0	0	0	0	0	MN
Mar 31, 2006	4	0	0	0	0	0	MN
Feb 28, 2006	5	0	0	0	0	0	MN
Jan 31, 2006	4	0	0	0	0	0	MN
Dec 31, 2005	6	0	0	0	0	0	MN
Dec 31, 2005	0	0	0	0	0	0	YR
Nov 30, 2005	5	0	0	0	0	0	MN
Oct 31, 2005	5	0	0	0	0	0	MN
Sep 30, 2005	4	0	0	0	0	0	MN
Aug 31, 2005	5	0	0	0	0	0	MN
Jul 31, 2005	4	0	0	0	0	0	MN
Jun 30, 2005	4	0	0	0	0	0	MN
May 31, 2005	5	0	0	0	0	0	MN
Apr 30, 2005	4	0	0	0	0	0	MN
Mar 31, 2005	5	0	0	0	0	0	MN
Feb 28, 2005	4	0	0	0	0	0	MN
Jan 31, 2005	4	0	0	0	0	0	MN
Dec 31, 2004	0	0	0	0	0	0	3Y
Dec 31, 2004	5	0	0	0	0	0	MN
Dec 31, 2004	0	0	0	0	0	0	YR
Nov 30, 2004	5	0	0	0	0	0	MN
Oct 31, 2004	4	0	0	0	0	0	MN
Sep 30, 2004	4	0	0	0	0	0	MN
Aug 31, 2004	5	0	0	0	0	0	MN
Jul 31, 2004	4	0	0	0	0	0	MN
Jun 30, 2004	5	0	0	0	0	0	MN
May 31, 2004	4	0	0	0	0	0	MN
Apr 30, 2004	4	0	0	0	0	0	MN
Mar 31, 2004	5	0	0	0	0	0	MN
Feb 29, 2004	4	0	0	0	0	0	MN
Jan 31, 2004	4	0	0	0	0	0	MN
Dec 31, 2003	5	0	0	0	0	0	MN
Dec 31, 2003	0	0	0	0	0	0	YR
Nov 30, 2003	4	0	0	0	0	0	MN
Oct 31, 2003	4	0	0	0	0	0	MN
Sep 30, 2003	7	0	0	0	0	0	MN
Aug 31, 2003	4	1	0	6	2	0	MN
Jul 31, 2003	5	0	0	0	0	0	MN
Jun 30, 2003	4	0	0	0	0	0	MN
May 31, 2003	4	0	0	0	0	0	MN
Apr 30, 2003	5	0	0	0	0	0	MN
Mar 31, 2003	4	0	0	0	0	0	MN
Feb 28, 2003	4	0	0	0	0	0	MN
Jan 31, 2003	4	0	0	0	0	0	MN
Dec 31, 2002	5	0	0	0	0	0	MN
Dec 31, 2002	0	0	0	0	0	0	YR
Nov 30, 2002	4	0	0	0	0	0	MN
Oct 31, 2002	5	0	0	0	0	0	MN
Sep 30, 2002	4	0	0	0	0	0	MN
Aug 31, 2002	4	0	0	0	0	0	MN
Jul 31, 2002	5	0	0	0	0	0	MN
Jun 30, 2002	4	0	0	0	0	0	MN
May 31, 2002	4	0	0	0	0	0	MN
Apr 30, 2002	6	0	0	0	0	0	MN
Mar 31, 2002	.						

Feb 28, 2002	4	0	0	0	0	0	MN
Jan 31, 2002	5	0	0	0	0	0	MN
<u>Show results prior to 01/01/2002</u>							



Introduction :: Data Search Options :: WS Name Look Up :: WS ID Look Up :: DWP Home :: Quick Data Links

ND = Not Detected at the Minimum Reporting Level

[Spreadsheet](#)

Latest Chemical Results - PWS ID: 00846 --- SUNRIVER WATER LLC/SUNRIVER UTILITIES

Sample ID	Sample Date	Receive Date	Chemical	Source ID	Results	Current MCL	UOM
201012300179-A	12/29/2010	01/11/2011	ASBESTOS	DIST-A	ND	7.000000	MFL
B01140801-I	09/14/2010	10/26/2010	NITRATE	EP-B	ND	10.000000	MG/L
B01140801-R	09/14/2010	04/14/2011	GROSS ALPHA, EXCL. RADON & U	EP-B	ND	15.000000	PCI/L
B01140802-I	09/14/2010	10/26/2010	NITRATE	EP-C	ND	10.000000	MG/L
C10090729002-R	09/14/2010	10/22/2010	GROSS ALPHA, EXCL. RADON & U	EP-C	ND	15.000000	PCI/L
B01140803-I	09/14/2010	11/13/2010	ANTIMONY, TOTAL	EP-E	ND	0.0060000	MG/L
B01140803-I	09/14/2010	11/13/2010	ARSENIC	EP-E	0.0046000	0.0100000	MG/L
B01140803-I	09/14/2010	11/13/2010	BARIUM	EP-E	ND	2.0000000	MG/L
B01140803-I	09/14/2010	11/13/2010	BERYLLIUM, TOTAL	EP-E	ND	0.0040000	MG/L
B01140803-I	09/14/2010	11/13/2010	CADMIUM	EP-E	ND	0.0050000	MG/L
B01140803-I	09/14/2010	11/13/2010	CHROMIUM	EP-E	ND	0.1000000	MG/L
B01140803-I	09/14/2010	11/13/2010	CYANIDE	EP-E	ND	0.2000000	MG/L
B01140803-I	09/14/2010	11/13/2010	FLUORIDE	EP-E	0.2320000	4.0000000	MG/L
B01140803-I	09/14/2010	11/13/2010	MERCURY	EP-E	ND	0.0020000	MG/L
B01140803-I	09/14/2010	11/13/2010	NICKEL	EP-E	ND	0.1000000	MG/L
B01140803-I	09/14/2010	11/13/2010	NITRATE	EP-E	0.1200000	10.000000	MG/L
B01140803-I	09/14/2010	11/13/2010	NITRATE-NITRITE	EP-E	0.1400000	10.000000	MG/L
B01140803-I	09/14/2010		NITRITE	EP-E	0.0200000	1.0000000	MG/L
B01140803-I	09/14/2010	11/13/2010	SELENIUM	EP-E	ND	0.0500000	MG/L
B01140803-I	09/14/2010	11/13/2010	SODIUM	EP-E	14.000000		MG/L
B01140803-I	09/14/2010	11/13/2010	THALLIUM, TOTAL	EP-E	ND	0.0020000	MG/L
B01140803-S	09/14/2010	11/13/2010	1,2-DIBROMO-3-CHLOROPROPANE	EP-E	ND	0.0002000	MG/L
B01140803-S	09/14/2010	11/13/2010	2,4,5-TP	EP-E	ND	0.0500000	MG/L
B01140803-S	09/14/2010	11/13/2010	2,4-D	EP-E	ND	0.0700000	MG/L
B01140803-S	09/14/2010	11/13/2010	ATRAZINE	EP-E	ND	0.0030000	MG/L
B01140803-S	09/14/2010	11/13/2010	BENZO(A)PYRENE	EP-E	ND	0.0002000	MG/L
B01140803-S	09/14/2010	11/13/2010	BHC-GAMMA	EP-E	ND	0.0002000	MG/L
B01140803-S	09/14/2010	11/13/2010	CARBOFURAN	EP-E	ND	0.0400000	MG/L
B01140803-S	09/14/2010	11/13/2010	CHLORDANE	EP-E	ND	0.0020000	MG/L
B01140803-S	09/14/2010	11/13/2010	DALAPON	EP-E	ND	0.2000000	MG/L
B01140803-S	09/14/2010	11/13/2010	DI(2-ETHYLHEXYL) ADIPATE	EP-E	ND	0.4000000	MG/L
B01140803-S	09/14/2010	11/13/2010	DI(2-ETHYLHEXYL) PHTHALATE	EP-E	ND	0.0080000	MG/L
B01140803-S	09/14/2010	11/13/2010	DINOSEB	EP-E	ND	0.0070000	MG/L
B01140803-S	09/14/2010	11/13/2010	DIQUAT	EP-E	ND	0.0200000	MG/L
B01140803-S	09/14/2010	11/13/2010	ENDOTHALL	EP-E	ND	0.1000000	MG/L
B01140803-S	09/14/2010	11/13/2010	ENDRIN	EP-E	ND	0.0020000	MG/L
B01140803-S	09/14/2010	11/13/2010	ETHYLENE DIBROMIDE	EP-E	ND	0.0000500	MG/L
B01140803-S	09/14/2010	11/13/2010	GLYPHOSATE	EP-E	ND	0.7000000	MG/L
B01140803-S	09/14/2010	11/13/2010	HEPTACHLOR	EP-E	ND	0.0004000	MG/L
B01140803-S	09/14/2010	11/13/2010	HEPTACHLOR EPOXIDE	EP-E	ND	0.0002000	MG/L
B01140803-S	09/14/2010	11/13/2010	HEXACHLOROBENZENE	EP-E	ND	0.0010000	MG/L

B01140803-S	09/14/2010	11/13/2010	HEXACHLOROCYCLOPENTADIENE	EP-E	ND	0.0500000	MG/L
B01140803-S	09/14/2010	11/13/2010	LASSO	EP-E	ND	0.0020000	MG/L
B01140803-S	09/14/2010	11/13/2010	METHOXYCHLOR	EP-E	ND	0.0400000	MG/L
B01140803-S	09/14/2010	11/13/2010	OXAMYL	EP-E	ND	0.2000000	MG/L
B01140803-S	09/14/2010	11/13/2010	PENTACHLOROPHENOL	EP-E	ND	0.0010000	MG/L
B01140803-S	09/14/2010	11/13/2010	PICLORAM	EP-E	ND	0.5000000	MG/L
B01140803-S	09/14/2010	11/13/2010	SIMAZINE	EP-E	ND	0.0040000	MG/L
B01140803-S	09/14/2010	11/13/2010	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-E	ND	0.0005000	MG/L
B01140803-S	09/14/2010	11/13/2010	TOXAPHENE	EP-E	ND	0.0030000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,1,1-TRICHLOROETHANE	EP-E	ND	0.2000000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,1,2-TRICHLOROETHANE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,1-DICHLOROETHYLENE	EP-E	ND	0.0070000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,2,4-TRICHLOROBENZENE	EP-E	ND	0.0700000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,2-DICHLOROETHANE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	1,2-DICHLOROPROPANE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	BENZENE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	CARBON TETRACHLORIDE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	CHLOROBENZENE	EP-E	ND	0.1000000	MG/L
B01140803-V	09/14/2010	11/08/2010	CIS-1,2-DICHLOROETHYLENE	EP-E	ND	0.0700000	MG/L
B01140803-V	09/14/2010	11/08/2010	DICHLOROMETHANE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	ETHYLBENZENE	EP-E	ND	0.7000000	MG/L
B01140803-V	09/14/2010	11/08/2010	O-DICHLOROBENZENE	EP-E	ND	0.6000000	MG/L
B01140803-V	09/14/2010	11/08/2010	P-DICHLOROBENZENE	EP-E	ND	0.0750000	MG/L
B01140803-V	09/14/2010	11/08/2010	STYRENE	EP-E	ND	0.1000000	MG/L
B01140803-V	09/14/2010	11/08/2010	TETRACHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	TOLUENE	EP-E	ND	1.0000000	MG/L
B01140803-V	09/14/2010	11/08/2010	TRANS-1,2-DICHLOROETHYLENE	EP-E	ND	0.1000000	MG/L
B01140803-V	09/14/2010	11/08/2010	TRICHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B01140803-V	09/14/2010	11/08/2010	VINYL CHLORIDE	EP-E	ND	0.0020000	MG/L
B01140803-V	09/14/2010	11/08/2010	XYLENES, TOTAL	EP-E	ND	10.0000000	MG/L
B91160701-I	09/16/2009	11/03/2009	ANTIMONY, TOTAL	EP-B	ND	0.0080000	MG/L
B91160701-I	09/16/2009	11/03/2009	ARSENIC	EP-B	0.0040000	0.0100000	MG/L
B91160701-I	09/16/2009	11/03/2009	BARIUM	EP-B	ND	2.0000000	MG/L
B91160701-I	09/16/2009	11/03/2009	BERYLLIUM, TOTAL	EP-B	ND	0.0040000	MG/L
B91160701-I	09/16/2009	11/03/2009	CADMIUM	EP-B	ND	0.0050000	MG/L
B91160701-I	09/16/2009	11/03/2009	CHROMIUM	EP-B	ND	0.1000000	MG/L
B91160701-I	09/16/2009	11/03/2009	CYANIDE	EP-B	ND	0.2000000	MG/L
B91160701-I	09/16/2009	11/03/2009	FLUORIDE	EP-B	0.1340000	4.0000000	MG/L
B91160701-I	09/16/2009	11/03/2009	LEAD	EP-B	ND	0.0150000	MG/L
B91160701-I	09/16/2009	11/03/2009	MERCURY	EP-B	ND	0.0020000	MG/L
B91160701-I	09/16/2009	11/03/2009	NICKEL	EP-B	0.0010000	0.1000000	MG/L
B91160701-I	09/16/2009	11/03/2009	NITRATE	EP-B	0.1200000	10.0000000	MG/L
B91160701-I	09/16/2009	11/03/2009	NITRATE-NITRITE	EP-B	0.1200000	10.0000000	MG/L
B91160701-I	09/16/2009		NITRITE	EP-B	ND	1.0000000	MG/L
B91160701-I	09/16/2009	11/03/2009	SELENIUM	EP-B	ND	0.0500000	MG/L
B91160701-I	09/16/2009	11/03/2009	SODIUM	EP-B	10.6000000		MG/L
B91160701-I	09/16/2009	11/03/2009	THALLIUM, TOTAL	EP-B	ND	0.0020000	MG/L

B9I160701-S	09/16/2009	10/28/2009	1,2-DIBROMO-3-CHLOROPROPANE	EP-B	ND	0.0002000	MG/L
B9I160701-S	09/16/2009	10/28/2009	2,4,5-TP	EP-B	ND	0.0500000	MG/L
B9I160701-S	09/16/2009	10/28/2009	2,4-D	EP-B	ND	0.0700000	MG/L
B9I160701-S	09/16/2009	10/28/2009	ATRAZINE	EP-B	ND	0.0030000	MG/L
B9I160701-S	09/16/2009	10/28/2009	BENZO(A)PYRENE	EP-B	ND	0.0002000	MG/L
B9I160701-S	09/16/2009	10/28/2009	BHC-GAMMA	EP-B	ND	0.0002000	MG/L
B9I160701-S	09/16/2009	10/28/2009	CARBOFURAN	EP-B	ND	0.0400000	MG/L
B9I160701-S	09/16/2009	10/28/2009	CHLORDANE	EP-B	ND	0.0020000	MG/L
B9I160701-S	09/16/2009	10/28/2009	DALAPON	EP-B	ND	0.2000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	DI(2-ETHYLHEXYL) ADIPATE	EP-B	ND	0.4000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	DI(2-ETHYLHEXYL) PHTHALATE	EP-B	ND	0.0060000	MG/L
B9I160701-S	09/16/2009	10/28/2009	DINOSEB	EP-B	ND	0.0070000	MG/L
B9I160701-S	09/16/2009	10/28/2009	DIQUAT	EP-B	ND	0.0200000	MG/L
B9I160701-S	09/16/2009	10/28/2009	ENDOTHALL	EP-B	ND	0.1000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	ENDRIN	EP-B	ND	0.0020000	MG/L
B9I160701-S	09/16/2009	10/28/2009	ETHYLENE DIBROMIDE	EP-B	ND	0.0000500	MG/L
B9I160701-S	09/16/2009	10/28/2009	GLYPHOSATE	EP-B	ND	0.7000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	HEPTACHLOR	EP-B	ND	0.0004000	MG/L
B9I160701-S	09/16/2009	10/28/2009	HEPTACHLOR EPOXIDE	EP-B	ND	0.0002000	MG/L
B9I160701-S	09/16/2009	10/28/2009	HEXACHLOROBENZENE	EP-B	ND	0.0010000	MG/L
B9I160701-S	09/16/2009	10/28/2009	HEXACHLOROCYCLOPENTADIENE	EP-B	ND	0.0500000	MG/L
B9I160701-S	09/16/2009	10/28/2009	LASSO	EP-B	ND	0.0020000	MG/L
B9I160701-S	09/16/2009	10/28/2009	METHOXYCHLOR	EP-B	ND	0.0400000	MG/L
B9I160701-S	09/16/2009	10/28/2009	OXAMYL	EP-B	ND	0.2000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	PENTACHLOROPHENOL	EP-B	ND	0.0010000	MG/L
B9I160701-S	09/16/2009	10/28/2009	PICLORAM	EP-B	ND	0.5000000	MG/L
B9I160701-S	09/16/2009	10/28/2009	SIMAZINE	EP-B	ND	0.0040000	MG/L
B9I160701-S	09/16/2009	10/28/2009	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-B	ND	0.0005000	MG/L
B9I160701-S	09/16/2009	10/28/2009	TOXAPHENE	EP-B	ND	0.0030000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,1,1-TRICHLOROETHANE	EP-B	ND	0.2000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,1,2-TRICHLOROETHANE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,1-DICHLOROETHYLENE	EP-B	ND	0.0070000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,2,4-TRICHLOROBENZENE	EP-B	ND	0.0700000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,2-DICHLOROETHANE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	1,2-DICHLOROPROPANE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	BENZENE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	CARBON TETRACHLORIDE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	CHLOROBENZENE	EP-B	ND	0.1000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	CIS-1,2-DICHLOROETHYLENE	EP-B	ND	0.0700000	MG/L
B9I160701-V	09/16/2009	10/28/2009	DICHLOROMETHANE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	ETHYLBENZENE	EP-B	ND	0.7000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	O-DICHLOROBENZENE	EP-B	ND	0.6000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	P-DICHLOROBENZENE	EP-B	ND	0.0750000	MG/L
B9I160701-V	09/16/2009	10/28/2009	STYRENE	EP-B	ND	0.1000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	TETRACHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	TOLUENE	EP-B	ND	1.0000000	MG/L
B9I160701-V	09/16/2009	10/28/2009	TRANS-1,2-DICHLOROETHYLENE	EP-B	ND	0.1000000	MG/L

B9I160701-V	09/16/2009	10/28/2009	TRICHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
B9I160701-V	09/16/2009	10/28/2009	VINYL CHLORIDE	EP-B	ND	0.0020000	MG/L
B9I160701-V	09/16/2009	10/28/2009	XYLENES, TOTAL	EP-B	ND	10.0000000	MG/L
C09090792001	09/16/2009	10/29/2009	COMBINED URANIUM	EP-B	ND	0.0300000	MG/L
B9I160702-I	09/16/2009	11/03/2009	ANTIMONY, TOTAL	EP-C	ND	0.0060000	MG/L
B9I160702-I	09/16/2009	11/03/2009	ARSENIC	EP-C	0.0030000	0.0100000	MG/L
B9I160702-I	09/16/2009	11/03/2009	BARIUM	EP-C	ND	2.0000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	BERYLLIUM, TOTAL	EP-C	ND	0.0040000	MG/L
B9I160702-I	09/16/2009	11/03/2009	CADMIUM	EP-C	ND	0.0050000	MG/L
B9I160702-I	09/16/2009	11/03/2009	CHROMIUM	EP-C	ND	0.1000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	CYANIDE	EP-C	ND	0.2000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	FLUORIDE	EP-C	ND	4.0000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	LEAD	EP-C	ND	0.0150000	MG/L
B9I160702-I	09/16/2009	11/03/2009	MERCURY	EP-C	ND	0.0020000	MG/L
B9I160702-I	09/16/2009	11/03/2009	NICKEL	EP-C	ND	0.1000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	NITRATE	EP-C	ND	10.0000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	NITRATE-NITRITE	EP-C	ND	10.0000000	MG/L
B9I160702-I	09/16/2009		NITRITE	EP-C	ND	1.0000000	MG/L
B9I160702-I	09/16/2009	11/03/2009	SELENIUM	EP-C	ND	0.0500000	MG/L
B9I160702-I	09/16/2009	11/03/2009	SODIUM	EP-C	11.5000000		MG/L
B9I160702-I	09/16/2009	11/03/2009	THALLIUM, TOTAL	EP-C	ND	0.0020000	MG/L
B9I160702-S	09/16/2009	10/28/2009	1,2-DIBROMO-3-CHLOROPROPANE	EP-C	ND	0.0002000	MG/L
B9I160702-S	09/16/2009	10/28/2009	2,4,5-TP	EP-C	ND	0.0500000	MG/L
B9I160702-S	09/16/2009	10/28/2009	2,4-D	EP-C	ND	0.0700000	MG/L
B9I160702-S	09/16/2009	10/28/2009	ATRAZINE	EP-C	ND	0.0030000	MG/L
B9I160702-S	09/16/2009	10/28/2009	BENZO(A)PYRENE	EP-C	ND	0.0002000	MG/L
B9I160702-S	09/16/2009	10/28/2009	BHC-GAMMA	EP-C	ND	0.0002000	MG/L
B9I160702-S	09/16/2009	10/28/2009	CARBOFURAN	EP-C	ND	0.0400000	MG/L
B9I160702-S	09/16/2009	10/28/2009	CHLORDANE	EP-C	ND	0.0020000	MG/L
B9I160702-S	09/16/2009	10/28/2009	DALAPON	EP-C	ND	0.2000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	DI(2-ETHYLHEXYL) ADIPATE	EP-C	ND	0.4000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	DI(2-ETHYLHEXYL) PHTHALATE	EP-C	ND	0.0060000	MG/L
B9I160702-S	09/16/2009	10/28/2009	DINOSEB	EP-C	ND	0.0070000	MG/L
B9I160702-S	09/16/2009	10/28/2009	DIQUAT	EP-C	ND	0.0200000	MG/L
B9I160702-S	09/16/2009	10/28/2009	ENDOTHALL	EP-C	ND	0.1000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	ENDRIN	EP-C	ND	0.0020000	MG/L
B9I160702-S	09/16/2009	10/28/2009	ETHYLENE DIBROMIDE	EP-C	ND	0.0000500	MG/L
B9I160702-S	09/16/2009	10/28/2009	GLYPHOSATE	EP-C	ND	0.7000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	HEPTACHLOR	EP-C	ND	0.0004000	MG/L
B9I160702-S	09/16/2009	10/28/2009	HEPTACHLOR EPOXIDE	EP-C	ND	0.0002000	MG/L
B9I160702-S	09/16/2009	10/28/2009	HEXACHLOROBENZENE	EP-C	ND	0.0010000	MG/L
B9I160702-S	09/16/2009	10/28/2009	HEXACHLOROCYCLOPENTADIENE	EP-C	ND	0.0500000	MG/L
B9I160702-S	09/16/2009	10/28/2009	LASSO	EP-C	ND	0.0020000	MG/L
B9I160702-S	09/16/2009	10/28/2009	METHOXYCHLOR	EP-C	ND	0.0400000	MG/L
B9I160702-S	09/16/2009	10/28/2009	OXAMYL	EP-C	ND	0.2000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	PENTACHLOROPHENOL	EP-C	ND	0.0010000	MG/L
B9I160702-S	09/16/2009	10/28/2009	PICLORAM	EP-C	ND	0.5000000	MG/L
B9I160702-S	09/16/2009	10/28/2009	SIMAZINE	EP-C	ND	0.0040000	MG/L

B9I160702-S	09/16/2009	10/28/2009	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-C	ND	0.0005000	MG/L
B9I160702-S	09/16/2009	10/28/2009	TOXAPHENE	EP-C	ND	0.0030000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,1,1-TRICHLOROETHANE	EP-C	ND	0.2000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,1,2-TRICHLOROETHANE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,1-DICHLOROETHYLENE	EP-C	ND	0.0070000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,2,4-TRICHLOROBENZENE	EP-C	ND	0.0700000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,2-DICHLOROETHANE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	1,2-DICHLOROPROPANE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	BENZENE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	CARBON TETRACHLORIDE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	CHLOROBENZENE	EP-C	ND	0.1000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	CIS-1,2-DICHLOROETHYLENE	EP-C	ND	0.0700000	MG/L
B9I160702-V	09/16/2009	10/28/2009	DICHLOROMETHANE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	ETHYLBENZENE	EP-C	ND	0.7000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	O-DICHLOROBENZENE	EP-C	ND	0.6000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	P-DICHLOROBENZENE	EP-C	ND	0.0750000	MG/L
B9I160702-V	09/16/2009	10/28/2009	STYRENE	EP-C	ND	0.1000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	TETRACHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	TOLUENE	EP-C	ND	1.0000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	TRANS-1,2-DICHLOROETHYLENE	EP-C	ND	0.1000000	MG/L
B9I160702-V	09/16/2009	10/28/2009	TRICHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
B9I160702-V	09/16/2009	10/28/2009	VINYL CHLORIDE	EP-C	ND	0.0020000	MG/L
B9I160702-V	09/16/2009	10/28/2009	XYLENES, TOTAL	EP-C	ND	10.0000000	MG/L
C09090792002	09/16/2009	10/29/2009	COMBINED URANIUM	EP-C	ND	0.0300000	MG/L
B9I160703-I	09/16/2009	10/30/2009	NITRATE	EP-E	ND	10.0000000	MG/L
B8K240202-I	11/24/2008	12/30/2008	NITRATE	EP-B	ND	10.0000000	MG/L
B8K240204-I	11/24/2008	12/30/2008	NITRATE	EP-C	ND	10.0000000	MG/L
B8K240203-I	11/24/2008	12/30/2008	NITRATE	EP-E	ND	10.0000000	MG/L
B7H280101	08/28/2007	08/29/2007	NITRATE	EP-B	ND	10.0000000	MG/L
B7H280102	08/28/2007	08/29/2007	NITRATE	EP-C	ND	10.0000000	MG/L
B7H200901	08/20/2007	01/10/2008	COMBINED RADIUM (-226 & -228)	EP-E	ND	5.0000000	PCI/L
B7H200901	08/20/2007	01/10/2008	COMBINED URANIUM	EP-E	ND	0.0300000	MG/L
B7H200901	08/20/2007	01/10/2008	GROSS ALPHA, EXCL. RADON & U	EP-E	ND	15.0000000	PCI/L
B7E091001-I	05/09/2007	07/03/2007	ANTIMONY, TOTAL	EP-E	ND	0.0060000	MG/L
B7E091001-I	05/09/2007	07/03/2007	ARSENIC	EP-E	ND	0.0100000	MG/L
B7E091001-I	05/09/2007	07/03/2007	BARIUM	EP-E	ND	2.0000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	BERYLLIUM, TOTAL	EP-E	ND	0.0040000	MG/L
B7E091001-I	05/09/2007	07/03/2007	CHROMIUM	EP-E	ND	0.1000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	CYANIDE	EP-E	ND	0.2000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	FLUORIDE	EP-E	0.1620000	4.0000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	LEAD	EP-E	ND	0.0150000	MG/L
B7E091001-I	05/09/2007	07/03/2007	MERCURY	EP-E	ND	0.0020000	MG/L
B7E091001-I	05/09/2007	07/03/2007	NICKEL	EP-E	ND	0.1000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	NITRATE	EP-E	ND	10.0000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	NITRATE-NITRITE	EP-E	ND	10.0000000	MG/L
B7E091001-I	05/09/2007		NITRITE	EP-E	ND	1.0000000	MG/L
B7E091001-I	05/09/2007	07/03/2007	SELENIUM	EP-E	ND	0.0500000	MG/L

B7E091001-I	05/09/2007	07/03/2007	SODIUM	EP-E	11.500000	MG/L
B7E091001-I	05/09/2007	07/03/2007	THALLIUM, TOTAL	EP-E	ND	0.0020000 MG/L
B7E091001-S	05/09/2007	07/03/2007	1,2-DIBROMO-3-CHLOROPROPANE	EP-E	ND	0.0002000 MG/L
B7E091001-S	05/09/2007	07/03/2007	2,4,5-TP	EP-E	ND	0.0500000 MG/L
B7E091001-S	05/09/2007	07/03/2007	2,4-D	EP-E	ND	0.0700000 MG/L
B7E091001-S	05/09/2007	07/03/2007	ATRAZINE	EP-E	ND	0.0030000 MG/L
B7E091001-S	05/09/2007	07/03/2007	BENZO(A)PYRENE	EP-E	ND	0.0002000 MG/L
B7E091001-S	05/09/2007	07/03/2007	BHC-GAMMA	EP-E	ND	0.0002000 MG/L
B7E091001-S	05/09/2007	07/03/2007	CARBOFURAN	EP-E	ND	0.0400000 MG/L
B7E091001-S	05/09/2007	07/03/2007	CHLORDANE	EP-E	ND	0.0020000 MG/L
B7E091001-S	05/09/2007	07/03/2007	DALAPON	EP-E	ND	0.2000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	DI(2-ETHYLHEXYL) ADIPATE	EP-E	ND	0.4000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	DI(2-ETHYLHEXYL) PHTHALATE	EP-E	ND	0.0060000 MG/L
B7E091001-S	05/09/2007	07/03/2007	DINOSEB	EP-E	ND	0.0070000 MG/L
B7E091001-S	05/09/2007	07/03/2007	DIQUAT	EP-E	ND	0.0200000 MG/L
B7E091001-S	05/09/2007	07/03/2007	ENDOTHALL	EP-E	ND	0.1000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	ENDRIN	EP-E	ND	0.0020000 MG/L
B7E091001-S	05/09/2007	07/03/2007	ETHYLENE DIBROMIDE	EP-E	ND	0.0000500 MG/L
B7E091001-S	05/09/2007	07/03/2007	GLYPHOSATE	EP-E	ND	0.7000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	HEPTACHLOR	EP-E	ND	0.0004000 MG/L
B7E091001-S	05/09/2007	07/03/2007	HEPTACHLOR EPOXIDE	EP-E	ND	0.0002000 MG/L
B7E091001-S	05/09/2007	07/03/2007	HEXACHLOROBENZENE	EP-E	ND	0.0010000 MG/L
B7E091001-S	05/09/2007	07/03/2007	HEXACHLOROCYCLOPENTADIENE	EP-E	ND	0.0500000 MG/L
B7E091001-S	05/09/2007	07/03/2007	LASSO	EP-E	ND	0.0020000 MG/L
B7E091001-S	05/09/2007	07/03/2007	METHOXYCHLOR	EP-E	ND	0.0400000 MG/L
B7E091001-S	05/09/2007	07/03/2007	OXAMYL	EP-E	ND	0.2000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	PENTACHLOROPHENOL	EP-E	ND	0.0010000 MG/L
B7E091001-S	05/09/2007	07/03/2007	PICLORAM	EP-E	ND	0.5000000 MG/L
B7E091001-S	05/09/2007	07/03/2007	SIMAZINE	EP-E	ND	0.0040000 MG/L
B7E091001-S	05/09/2007	07/03/2007	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-E	ND	0.0005000 MG/L
B7E091001-S	05/09/2007	07/03/2007	TOXAPHENE	EP-E	ND	0.0030000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,1,1-TRICHLOROETHANE	EP-E	ND	0.2000000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,1,1-TRICHLOROETHANE	EP-E	ND	0.2000000 MG/L
B7E091001-V	05/09/2007	01/10/2008	1,1,2-TRICHLOROETHANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,1,2-TRICHLOROETHANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	01/10/2008	1,1-DICHLOROETHYLENE	EP-E	ND	0.0070000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,1-DICHLOROETHYLENE	EP-E	ND	0.0070000 MG/L
B7E091001-V	05/09/2007	01/10/2008	1,2,4-TRICHLOROBENZENE	EP-E	ND	0.0700000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,2,4-TRICHLOROBENZENE	EP-E	ND	0.0700000 MG/L
B7E091001-V	05/09/2007	01/10/2008	1,2-DICHLOROETHANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,2-DICHLOROETHANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	01/10/2008	1,2-DICHLOROPROPANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	07/03/2007	1,2-DICHLOROPROPANE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	01/10/2008	BENZENE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	07/03/2007	BENZENE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	01/10/2008	CARBON TETRACHLORIDE	EP-E	ND	0.0050000 MG/L
B7E091001-V	05/09/2007	07/03/2007	CARBON TETRACHLORIDE	EP-E	ND	0.0050000 MG/L

B7E091001-V	05/09/2007	01/10/2008	CHLORO BENZENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	CHLORO BENZENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	CIS-1,2-DICHLOROETHYLENE	EP-E	ND	0.0700000	MG/L
B7E091001-V	05/09/2007	07/03/2007	CIS-1,2-DICHLOROETHYLENE	EP-E	ND	0.0700000	MG/L
B7E091001-V	05/09/2007	01/10/2008	DICHLOROMETHANE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	07/03/2007	DICHLOROMETHANE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	01/10/2008	ETHYLBENZENE	EP-E	ND	0.7000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	ETHYLBENZENE	EP-E	ND	0.7000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	O-DICHLORO BENZENE	EP-E	ND	0.6000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	O-DICHLORO BENZENE	EP-E	ND	0.6000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	P-DICHLORO BENZENE	EP-E	ND	0.0750000	MG/L
B7E091001-V	05/09/2007	07/03/2007	P-DICHLORO BENZENE	EP-E	ND	0.0750000	MG/L
B7E091001-V	05/09/2007	01/10/2008	STYRENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	STYRENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	TETRACHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	07/03/2007	TETRACHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	01/10/2008	TOLUENE	EP-E	ND	1.0000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	TOLUENE	EP-E	ND	1.0000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	TRANS-1,2-DICHLOROETHYLENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	TRANS-1,2-DICHLOROETHYLENE	EP-E	ND	0.1000000	MG/L
B7E091001-V	05/09/2007	01/10/2008	TRICHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	07/03/2007	TRICHLOROETHYLENE	EP-E	ND	0.0050000	MG/L
B7E091001-V	05/09/2007	01/10/2008	VINYL CHLORIDE	EP-E	ND	0.0020000	MG/L
B7E091001-V	05/09/2007	07/03/2007	VINYL CHLORIDE	EP-E	ND	0.0020000	MG/L
B7E091001-V	05/09/2007	01/10/2008	XYLENES, TOTAL	EP-E	ND	10.0000000	MG/L
B7E091001-V	05/09/2007	07/03/2007	XYLENES, TOTAL	EP-E	ND	10.0000000	MG/L
C07050658001	05/09/2007	01/10/2008	COMBINED RADIUM (-226 & -228)	SRC-EA	ND	5.0000000	PCI/L
C07050658001	05/09/2007	01/10/2008	COMBINED URANIUM	SRC-EA	ND	0.0300000	MG/L
C07050658001	05/09/2007	01/10/2008	GROSS ALPHA, EXCL. RADON & U	SRC-EA	ND	15.0000000	PCI/L
B7B120501	02/12/2007	04/20/2007	ATRAZINE	EP-B	ND	0.0030000	MG/L
B7B120501	02/12/2007	04/20/2007	BENZO(A)PYRENE	EP-B	ND	0.0002000	MG/L
B7B120501	02/12/2007	04/20/2007	BHC-GAMMA	EP-B	ND	0.0002000	MG/L
B7B120501	02/12/2007	04/20/2007	DI(2-ETHYLHEXYL) ADIPATE	EP-B	ND	0.4000000	MG/L
B7B120501	02/12/2007	04/20/2007	DI(2-ETHYLHEXYL) PHTHALATE	EP-B	ND	0.0080000	MG/L
B7B120501	02/12/2007	04/20/2007	ENDRIN	EP-B	ND	0.0020000	MG/L
B7B120501	02/12/2007	04/20/2007	HEPTACHLOR	EP-B	ND	0.0004000	MG/L
B7B120501	02/12/2007	04/20/2007	HEPTACHLOR EPOXIDE	EP-B	ND	0.0002000	MG/L
B7B120501	02/12/2007	04/20/2007	HEXACHLORO BENZENE	EP-B	ND	0.0010000	MG/L
B7B120501	02/12/2007	04/20/2007	HEXACHLOROCYCLOPENTADIENE	EP-B	ND	0.0500000	MG/L
B7B120501	02/12/2007	04/20/2007	LASSO	EP-B	ND	0.0020000	MG/L
B7B120501	02/12/2007	04/20/2007	METHOXYCHLOR	EP-B	ND	0.0400000	MG/L
B7B120501	02/12/2007	04/20/2007	SIMAZINE	EP-B	ND	0.0040000	MG/L
B6H1301-02I	09/13/2006	12/07/2006	ALUMINUM	EP-B	ND		
B6H1301-02I	09/13/2006	12/07/2006	ARSENIC	EP-B	ND	0.0100000	MG/L
B6H1301-02I	09/13/2006	12/07/2006	CALCIUM	EP-B	5.8400000		
B6H1301-02I	09/13/2006	12/07/2006	CHLORIDE	EP-B	2.3000000		
B6H1301-02I	09/13/2006	12/07/2006	COPPER, FREE	EP-B	ND	1.3000000	MG/L
B6H1301-02I	09/13/2006	12/07/2006	FLUORIDE	EP-B	0.1120000	4.0000000	MG/L

B6I1301-02I	09/13/2006	12/07/2006	IRON	EP-B	0.0260000		
B6I1301-02I	09/13/2006	12/07/2006	MANGANESE	EP-B	ND		
B6I1301-02I	09/13/2006	12/07/2006	NITRATE	EP-B	ND	10.000000	MG/L
B6I1301-02I	09/13/2006	12/07/2006	SILVER	EP-B	ND	0.1000000	MG/L
B6I1301-02I	09/13/2006	12/07/2006	SULFATE	EP-B	1.0400000		MG/L
B6I1301-02I	09/13/2006	12/07/2006	ZINC	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	1,1,1-TRICHLOROETHANE	EP-B	ND	0.2000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,1,2-TRICHLOROETHANE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,1-DICHLOROETHYLENE	EP-B	ND	0.0070000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,2,4-TRICHLOROBENZENE	EP-B	ND	0.0700000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,2-DIBROMO-3-CHLOROPROPANE	EP-B	ND	0.0002000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,2-DICHLOROETHANE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	1,2-DICHLOROPROPANE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	2,4,5-TP	EP-B	ND	0.0500000	MG/L
B6I1304-02	09/13/2006	12/07/2006	2,4-D	EP-B	ND	0.0700000	MG/L
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1016	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1221	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1232	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1242	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1248	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1254	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	AROCLOR 1260	EP-B	ND		
B6I1304-02	09/13/2006	12/07/2006	ATRAZINE	EP-B	ND	0.0030000	MG/L
B6I1304-02	09/13/2006	12/07/2006	BENZENE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	BENZO(A)PYRENE	EP-B	ND	0.0002000	MG/L
B6I1304-02	09/13/2006	12/07/2006	BHC-GAMMA	EP-B	ND	0.0002000	MG/L
B6I1304-02	09/13/2006	12/07/2006	CARBOFURAN	EP-B	ND	0.0400000	MG/L
B6I1304-02	09/13/2006	12/07/2006	CARBON TETRACHLORIDE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	CHLORDANE	EP-B	ND	0.0020000	MG/L
B6I1304-02	09/13/2006	12/07/2006	CHLOROBENZENE	EP-B	ND	0.1000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	CIS-1,2-DICHLOROETHYLENE	EP-B	ND	0.0700000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DALAPON	EP-B	ND	0.2000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) ADIPATE	EP-B	ND	0.4000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) PHTHALATE	EP-B	0.0020000	0.0060000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DICHLOROMETHANE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DINOSEB	EP-B	ND	0.0070000	MG/L
B6I1304-02	09/13/2006	12/07/2006	DIQUAT	EP-B	ND	0.0200000	MG/L
B6I1304-02	09/13/2006	12/07/2006	ENDOTHALL	EP-B	ND	0.1000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	ENDRIN	EP-B	ND	0.0020000	MG/L
B6I1304-02	09/13/2006	12/07/2006	ETHYLBENZENE	EP-B	ND	0.7000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	ETHYLENE DIBROMIDE	EP-B	ND	0.0000500	MG/L
B6I1304-02	09/13/2006	12/07/2006	GLYPHOSATE	EP-B	ND	0.7000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	HEPTACHLOR	EP-B	ND	0.0004000	MG/L
B6I1304-02	09/13/2006	12/07/2006	HEPTACHLOR EPOXIDE	EP-B	ND	0.0002000	MG/L
B6I1304-02	09/13/2006	12/07/2006	HEXACHLOROBENZENE	EP-B	ND	0.0010000	MG/L
B6I1304-02	09/13/2006	12/07/2006	HEXACHLOROCYCLOPENTADIENE	EP-B	ND	0.0500000	MG/L
B6I1304-02	09/13/2006	12/07/2006	LASSO	EP-B	ND	0.0020000	MG/L
B6I1304-02	09/13/2006	12/07/2006	METHOXYCHLOR	EP-B	ND	0.0400000	MG/L

B6I1304-02	09/13/2006	12/07/2006	O-DICHLOROBENZENE	EP-B	ND	0.6000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	OXAMYL	EP-B	ND	0.2000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	P-DICHLOROBENZENE	EP-B	ND	0.0750000	MG/L
B6I1304-02	09/13/2006	12/07/2006	PENTACHLOROPHENOL	EP-B	ND	0.0010000	MG/L
B6I1304-02	09/13/2006	12/07/2006	PICLORAM	EP-B	ND	0.5000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	SIMAZINE	EP-B	ND	0.0040000	MG/L
B6I1304-02	09/13/2006	12/07/2006	STYRENE	EP-B	ND	0.1000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TETRACHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TOLUENE	EP-B	ND	1.0000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-B	ND	0.0005000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TOXAPHENE	EP-B	ND	0.0030000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TRANS-1,2-DICHLOROETHYLENE	EP-B	ND	0.1000000	MG/L
B6I1304-02	09/13/2006	12/07/2006	TRICHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
B6I1304-02	09/13/2006	12/07/2006	VINYL CHLORIDE	EP-B	ND	0.0020000	MG/L
B6I1304-02	09/13/2006	12/07/2006	XYLENES, TOTAL	EP-B	ND	10.000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,1,1-TRICHLOROETHANE	EP-C	ND	0.2000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,1,2-TRICHLOROETHANE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,1-DICHLOROETHYLENE	EP-C	ND	0.0070000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,2,4-TRICHLOROBENZENE	EP-C	ND	0.0700000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,2-DICHLOROETHANE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	1,2-DICHLOROPROPANE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	BENZENE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	CARBON TETRACHLORIDE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	CHLOROBENZENE	EP-C	ND	0.1000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	CIS-1,2-DICHLOROETHYLENE	EP-C	ND	0.0700000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	DICHLOROMETHANE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	ETHYLBENZENE	EP-C	ND	0.7000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	O-DICHLOROBENZENE	EP-C	ND	0.6000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	P-DICHLOROBENZENE	EP-C	ND	0.0750000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	STYRENE	EP-C	ND	0.1000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	TETRACHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	TOLUENE	EP-C	ND	1.0000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	TRANS-1,2-DICHLOROETHYLENE	EP-C	ND	0.1000000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	TRICHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	VINYL CHLORIDE	EP-C	ND	0.0020000	MG/L
B6I11304-01V	09/13/2006	12/07/2006	XYLENES, TOTAL	EP-C	ND	10.000000	MG/L
B6I1304-01	09/13/2006	12/07/2006	ALUMINUM	EP-C	ND		
B6I1304-01	09/13/2006	12/07/2006	ARSENIC	EP-C	ND	0.0100000	MG/L
B6I1304-01	09/13/2006	12/07/2006	CALCIUM	EP-C	6.2000000		
B6I1304-01	09/13/2006	12/07/2006	CHLORIDE	EP-C	2.9000000		
B6I1304-01	09/13/2006	12/07/2006	COPPER, FREE	EP-C	ND	1.3000000	MG/L
B6I1304-01	09/13/2006	12/07/2006	FLUORIDE	EP-C	0.1270000	4.0000000	MG/L
B6I1304-01	09/13/2006	12/07/2006	IRON	EP-C	ND		
B6I1304-01	09/13/2006	12/07/2006	MANGANESE	EP-C	ND		
B6I1304-01	09/13/2006	12/07/2006	NITRATE	EP-C	ND	10.000000	MG/L
B6I1304-01	09/13/2006	12/07/2006	SILVER	EP-C	ND	0.1000000	MG/L
B6I1304-01	09/13/2006	12/07/2006	SULFATE	EP-C	1.1200000		MG/L

B6I1304-01	09/13/2006	12/07/2006	ZINC	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	1,2-DIBROMO-3-CHLOROPROPANE	EP-C	ND	0.0002000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	2,4,5-TP	EP-C	ND	0.0500000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	2,4-D	EP-C	ND	0.0700000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1016	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1221	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1232	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1242	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1248	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1254	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	AROCLOR 1260	EP-C	ND		
B6I1304-01S	09/13/2006	12/07/2006	ATRAZINE	EP-C	ND	0.0030000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	BENZO(A)PYRENE	EP-C	ND	0.0002000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	BHC-GAMMA	EP-C	ND	0.0002000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	CARBOFURAN	EP-C	ND	0.0400000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	CHLORDANE	EP-C	ND	0.0020000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	DALAPON	EP-C	ND	0.2000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) ADIPATE	EP-C	ND	0.4000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) PHTHALATE	EP-C	ND	0.0060000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	DINOSEB	EP-C	ND	0.0070000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	DIQUAT	EP-C	ND	0.0200000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	ENDOTHALL	EP-C	ND	0.1000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	ENDRIN	EP-C	ND	0.0020000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	ETHYLENE DIBROMIDE	EP-C	ND	0.0000500	MG/L
B6I1304-01S	09/13/2006	12/07/2006	GLYPHOSATE	EP-C	ND	0.7000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	HEPTACHLOR	EP-C	ND	0.0004000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	HEPTACHLOR EPOXIDE	EP-C	ND	0.0002000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	HEXACHLOROBENZENE	EP-C	ND	0.0010000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	HEXACHLOROCYCLOPENTADIENE	EP-C	ND	0.0500000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	LASSO	EP-C	ND	0.0020000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	METHOXYCHLOR	EP-C	ND	0.0400000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	OXAMYL	EP-C	ND	0.2000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	PENTACHLOROPHENOL	EP-C	ND	0.0010000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	PICLORAM	EP-C	ND	0.5000000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	SIMAZINE	EP-C	ND	0.0040000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-C	ND	0.0005000	MG/L
B6I1304-01S	09/13/2006	12/07/2006	TOXAPHENE	EP-C	ND	0.0030000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,1,1-TRICHLOROETHANE	EP-D	ND	0.2000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,1,2-TRICHLOROETHANE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,1-DICHLOROETHYLENE	EP-D	ND	0.0070000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,2,4-TRICHLOROBENZENE	EP-D	ND	0.0700000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,2-DICHLOROETHANE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	1,2-DICHLOROPROPANE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	BENZENE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	CARBON TETRACHLORIDE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	CHLOROBENZENE	EP-D	ND	0.1000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	CIS-1,2-DICHLOROETHYLENE	EP-D	ND	0.0700000	MG/L

B6I1301-03V	09/13/2006	12/07/2006	DICHLOROMETHANE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	ETHYLBENZENE	EP-D	ND	0.7000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	O-DICHLOROBENZENE	EP-D	ND	0.6000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	P-DICHLOROBENZENE	EP-D	ND	0.0750000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	STYRENE	EP-D	ND	0.1000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	TETRACHLOROETHYLENE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	TOLUENE	EP-D	ND	1.0000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	TRANS-1,2-DICHLOROETHYLENE	EP-D	ND	0.1000000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	TRICHLOROETHYLENE	EP-D	ND	0.0050000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	VINYL CHLORIDE	EP-D	ND	0.0020000	MG/L
B6I1301-03V	09/13/2006	12/07/2006	XYLENES, TOTAL	EP-D	ND	10.0000000	MG/L
B6I1304-03	09/13/2006	12/07/2006	ALUMINUM	EP-D	ND		
B6I1304-03	09/13/2006	12/07/2006	ARSENIC	EP-D	ND	0.0100000	MG/L
B6I1304-03	09/13/2006	12/07/2006	CALCIUM	EP-D	6.9700000		
B6I1304-03	09/13/2006	12/07/2006	CHLORIDE	EP-D	1.6000000		
B6I1304-03	09/13/2006	12/07/2006	COPPER, FREE	EP-D	ND	1.3000000	MG/L
B6I1304-03	09/13/2006	12/07/2006	FLUORIDE	EP-D	0.1610000	4.0000000	MG/L
B6I1304-03	09/13/2006	12/07/2006	IRON	EP-D	0.0420000		
B6I1304-03	09/13/2006	12/07/2006	MANGANESE	EP-D	0.0930000		
B6I1304-03	09/13/2006	12/07/2006	NITRATE	EP-D	ND	10.0000000	MG/L
B6I1304-03	09/13/2006	12/07/2006	SILVER	EP-D	ND	0.1000000	MG/L
B6I1304-03	09/13/2006	12/07/2006	SULFATE	EP-D	ND		MG/L
B6I1304-03	09/13/2006	12/07/2006	ZINC	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	1,2-DIBROMO-3-CHLOROPROPANE	EP-D	ND	0.0002000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	2,4,5-TP	EP-D	ND	0.0500000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	2,4-D	EP-D	ND	0.0700000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1016	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1221	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1232	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1242	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1248	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1254	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	AROCLOR 1260	EP-D	ND		
B6I1304-03S	09/13/2006	12/07/2006	ATRAZINE	EP-D	ND	0.0030000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	BENZO(A)PYRENE	EP-D	ND	0.0002000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	BHC-GAMMA	EP-D	ND	0.0002000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	CARBOFURAN	EP-D	ND	0.0400000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	CHLORDANE	EP-D	ND	0.0020000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	DALAPON	EP-D	ND	0.2000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) ADIPATE	EP-D	ND	0.4000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	DI(2-ETHYLHEXYL) PHTHALATE	EP-D	ND	0.0060000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	DINOSEB	EP-D	ND	0.0070000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	DIQUAT	EP-D	ND	0.0200000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	ENDOTHALL	EP-D	ND	0.1000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	ENDRIN	EP-D	ND	0.0020000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	ETHYLENE DIBROMIDE	EP-D	ND	0.0000500	MG/L
B6I1304-03S	09/13/2006	12/07/2006	GLYPHOSATE	EP-D	ND	0.7000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	HEPTACHLOR	EP-D	ND	0.0004000	MG/L

B6I1304-03S	09/13/2006	12/07/2006	HEPTACHLOR EPOXIDE	EP-D	ND	0.0002000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	HEXACHLOROBENZENE	EP-D	ND	0.0010000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	HEXACHLOROCYCLOPENTADIENE	EP-D	ND	0.0500000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	LASSO	EP-D	ND	0.0020000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	METHOXYCHLOR	EP-D	ND	0.0400000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	OXAMYL	EP-D	ND	0.2000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	PENTACHLOROPHENOL	EP-D	ND	0.0010000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	PICLORAM	EP-D	ND	0.5000000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	SIMAZINE	EP-D	ND	0.0040000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-D	ND	0.0005000	MG/L
B6I1304-03S	09/13/2006	12/07/2006	TOXAPHENE	EP-D	ND	0.0030000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,1,1-TRICHLOROETHANE	EP-D	ND	0.2000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,1,2-TRICHLOROETHANE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,1-DICHLOROETHYLENE	EP-D	ND	0.0070000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,2,4-TRICHLOROETHYLENE	EP-D	ND	0.0700000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,2-DICHLOROETHANE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	1,2-DICHLOROPROPANE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	BENZENE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	CARBON TETRACHLORIDE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	CHLOROBENZENE	EP-D	ND	0.1000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	CIS-1,2-DICHLOROETHYLENE	EP-D	ND	0.0700000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	DICHLOROMETHANE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	ETHYLBENZENE	EP-D	ND	0.7000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	O-DICHLOROETHYLENE	EP-D	ND	0.6000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	P-DICHLOROETHYLENE	EP-D	ND	0.0750000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	STYRENE	EP-D	ND	0.1000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	TETRACHLOROETHYLENE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	TOLUENE	EP-D	ND	1.0000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	TRANS-1,2-DICHLOROETHYLENE	EP-D	ND	0.1000000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	TRICHLOROETHYLENE	EP-D	ND	0.0050000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	VINYL CHLORIDE	EP-D	ND	0.0020000	MG/L
B6I1304-03V	09/13/2006	12/07/2006	XYLENES, TOTAL	EP-D	ND	10.0000000	MG/L
50816-38	08/15/2005	09/08/2005	NITRATE	EP-B	ND	10.0000000	MG/L
50816-37	08/15/2005	09/08/2005	NITRATE	EP-C	ND	10.0000000	MG/L
50816-39	08/15/2005	09/08/2005	NITRATE	EP-D	ND	10.0000000	MG/L
NB411018-I	11/02/2004	11/12/2004	NITRATE	EP-B	ND	10.0000000	MG/L
NB411017-I	11/02/2004	11/12/2004	NITRATE	EP-C	ND	10.0000000	MG/L
NB411019-I	11/02/2004	11/12/2004	NITRATE	EP-D	ND	10.0000000	MG/L
31022-35S	10/21/2003	11/07/2003	2,4,5-TP	EP-B	ND	0.0500000	MG/L
31022-35S	10/21/2003	11/07/2003	2,4-D	EP-B	ND	0.0700000	MG/L
31022-35S	10/21/2003	11/07/2003	ATRAZINE	EP-B	ND	0.0030000	MG/L
31022-35S	10/21/2003	11/07/2003	BENZO(A)PYRENE	EP-B	ND	0.0002000	MG/L
31022-35S	10/21/2003	11/07/2003	BHC-GAMMA	EP-B	ND	0.0002000	MG/L
31022-35S	10/21/2003	11/07/2003	CHLORDANE	EP-B	ND	0.0020000	MG/L
31022-35S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) ADIPATE	EP-B	ND	0.4000000	MG/L
31022-35S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) PHTHALATE	EP-B	ND	0.0060000	MG/L
31022-35S	10/21/2003	11/07/2003	DINOSEB	EP-B	ND	0.0070000	MG/L

31022-35S	10/21/2003	11/07/2003	ENDOTHALL	EP-B	ND	0.1000000	MG/L
31022-35S	10/21/2003	11/07/2003	ENDRIN	EP-B	ND	0.0020000	MG/L
31022-35S	10/21/2003	11/07/2003	HEPTACHLOR	EP-B	ND	0.0004000	MG/L
31022-35S	10/21/2003	11/07/2003	HEPTACHLOR EPOXIDE	EP-B	ND	0.0002000	MG/L
31022-35S	10/21/2003	11/07/2003	HEXACHLOROBENZENE	EP-B	ND	0.0010000	MG/L
31022-35S	10/21/2003	11/07/2003	HEXACHLOROCYCLOPENTADIENE	EP-B	ND	0.0500000	MG/L
31022-35S	10/21/2003	11/07/2003	LASSO	EP-B	ND	0.0020000	MG/L
31022-35S	10/21/2003	11/07/2003	METHOXYCHLOR	EP-B	ND	0.0400000	MG/L
31022-35S	10/21/2003	11/07/2003	PENTACHLOROPHENOL	EP-B	ND	0.0010000	MG/L
31022-35S	10/21/2003	11/07/2003	PICLORAM	EP-B	ND	0.5000000	MG/L
31022-35S	10/21/2003	11/07/2003	SIMAZINE	EP-B	ND	0.0040000	MG/L
31022-35S	10/21/2003	11/07/2003	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-B	ND	0.0005000	MG/L
31022-35S	10/21/2003	11/07/2003	TOXAPHENE	EP-B	ND	0.0030000	MG/L
C310087-02	10/21/2003	11/07/2003	1,2-DIBROMO-3-CHLOROPROPANE	EP-B	ND	0.0002000	MG/L
C310087-02	10/21/2003	11/07/2003	CARBOFURAN	EP-B	ND	0.0400000	MG/L
C310087-02	10/21/2003	11/07/2003	DALAPON	EP-B	ND	0.2000000	MG/L
C310087-02	10/21/2003	11/07/2003	DIQUAT	EP-B	ND	0.0200000	MG/L
C310087-02	10/21/2003	11/07/2003	ETHYLENE DIBROMIDE	EP-B	ND	0.0000500	MG/L
C310087-02	10/21/2003	11/07/2003	GLYPHOSATE	EP-B	ND	0.7000000	MG/L
C310087-02	10/21/2003	11/07/2003	OXAMYL	EP-B	ND	0.2000000	MG/L
C310087-02A	10/21/2003	11/07/2003	ARSENIC	EP-B	0.0043100	0.0100000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,1,1-TRICHLOROETHANE	EP-B	ND	0.2000000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,1,2-TRICHLOROETHANE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,1-DICHLOROETHYLENE	EP-B	ND	0.0070000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,2,4-TRICHLOROBENZENE	EP-B	ND	0.0700000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,2-DICHLOROETHANE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	1,2-DICHLOROPROPANE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	BENZENE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	CARBON TETRACHLORIDE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	CHLOROBENZENE	EP-B	ND	0.1000000	MG/L
C310087-02V	10/21/2003	11/07/2003	CIS-1,2-DICHLOROETHYLENE	EP-B	ND	0.0700000	MG/L
C310087-02V	10/21/2003	11/07/2003	DICHLOROMETHANE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	ETHYLBENZENE	EP-B	ND	0.7000000	MG/L
C310087-02V	10/21/2003	11/07/2003	O-DICHLOROBENZENE	EP-B	ND	0.6000000	MG/L
C310087-02V	10/21/2003	11/07/2003	P-DICHLOROBENZENE	EP-B	ND	0.0750000	MG/L
C310087-02V	10/21/2003	11/07/2003	STYRENE	EP-B	ND	0.1000000	MG/L
C310087-02V	10/21/2003	11/07/2003	TETRACHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	TOLUENE	EP-B	ND	1.0000000	MG/L
C310087-02V	10/21/2003	11/07/2003	TRANS-1,2-DICHLOROETHYLENE	EP-B	ND	0.1000000	MG/L
C310087-02V	10/21/2003	11/07/2003	TRICHLOROETHYLENE	EP-B	ND	0.0050000	MG/L
C310087-02V	10/21/2003	11/07/2003	VINYL CHLORIDE	EP-B	ND	0.0020000	MG/L
C310087-02V	10/21/2003	11/07/2003	XYLENES, TOTAL	EP-B	ND	10.0000000	MG/L
NB310354N	10/21/2003	11/04/2003	NITRATE	EP-B	ND	10.0000000	MG/L
31022-34S	10/21/2003	11/07/2003	2,4,5-TP	EP-C	ND	0.0500000	MG/L
31022-34S	10/21/2003	11/07/2003	2,4-D	EP-C	ND	0.0700000	MG/L
31022-34S	10/21/2003	11/07/2003	ATRAZINE	EP-C	ND	0.0030000	MG/L
31022-34S	10/21/2003	11/07/2003	BENZO(A)PYRENE	EP-C	ND	0.0002000	MG/L

31022-34S	10/21/2003	11/07/2003	BHC-GAMMA	EP-C	ND	0.0002000	MG/L
31022-34S	10/21/2003	11/07/2003	CHLORDANE	EP-C	ND	0.0020000	MG/L
31022-34S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) ADIPATE	EP-C	ND	0.4000000	MG/L
31022-34S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) PHTHALATE	EP-C	ND	0.0060000	MG/L
31022-34S	10/21/2003	11/07/2003	DINOSEB	EP-C	ND	0.0070000	MG/L
31022-34S	10/21/2003	11/07/2003	ENDOTHALL	EP-C	ND	0.1000000	MG/L
31022-34S	10/21/2003	11/07/2003	ENDRIN	EP-C	ND	0.0020000	MG/L
31022-34S	10/21/2003	11/07/2003	HEPTACHLOR	EP-C	ND	0.0004000	MG/L
31022-34S	10/21/2003	11/07/2003	HEPTACHLOR EPOXIDE	EP-C	ND	0.0002000	MG/L
31022-34S	10/21/2003	11/07/2003	HEXACHLOROBENZENE	EP-C	ND	0.0010000	MG/L
31022-34S	10/21/2003	11/07/2003	HEXACHLOROCYCLOPENTADIENE	EP-C	ND	0.0500000	MG/L
31022-34S	10/21/2003	11/07/2003	LASSO	EP-C	ND	0.0020000	MG/L
31022-34S	10/21/2003	11/07/2003	METHOXYCHLOR	EP-C	ND	0.0400000	MG/L
31022-34S	10/21/2003	11/07/2003	PENTACHLOROPHENOL	EP-C	ND	0.0010000	MG/L
31022-34S	10/21/2003	11/07/2003	PICLORAM	EP-C	ND	0.5000000	MG/L
31022-34S	10/21/2003	11/07/2003	SIMAZINE	EP-C	ND	0.0040000	MG/L
31022-34S	10/21/2003	11/07/2003	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-C	ND	0.0005000	MG/L
31022-34S	10/21/2003	11/07/2003	TOXAPHENE	EP-C	ND	0.0030000	MG/L
C310087-01	10/21/2003	11/07/2003	1,2-DIBROMO-3-CHLOROPROPANE	EP-C	ND	0.0002000	MG/L
C310087-01	10/21/2003	11/07/2003	CARBOFURAN	EP-C	ND	0.0400000	MG/L
C310087-01	10/21/2003	11/07/2003	DALAPON	EP-C	ND	0.2000000	MG/L
C310087-01	10/21/2003	11/07/2003	DIQUAT	EP-C	ND	0.0200000	MG/L
C310087-01	10/21/2003	11/07/2003	ETHYLENE DIBROMIDE	EP-C	ND	0.0000500	MG/L
C310087-01	10/21/2003	11/07/2003	GLYPHOSATE	EP-C	ND	0.7000000	MG/L
C310087-01	10/21/2003	11/07/2003	OXAMYL	EP-C	ND	0.2000000	MG/L
C310087-01A	10/21/2003	11/07/2003	ARSENIC	EP-C	0.0027800	0.0100000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,1,1-TRICHLOROETHANE	EP-C	ND	0.2000000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,1,2-TRICHLOROETHANE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,1-DICHLOROETHYLENE	EP-C	ND	0.0070000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,2,4-TRICHLOROBENZENE	EP-C	ND	0.0700000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,2-DICHLOROETHANE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	1,2-DICHLOROPROPANE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	BENZENE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	CARBON TETRACHLORIDE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	CHLOROBENZENE	EP-C	ND	0.1000000	MG/L
C310087-01V	10/21/2003	11/07/2003	CIS-1,2-DICHLOROETHYLENE	EP-C	ND	0.0700000	MG/L
C310087-01V	10/21/2003	11/07/2003	DICHLOROMETHANE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	ETHYLBENZENE	EP-C	ND	0.7000000	MG/L
C310087-01V	10/21/2003	11/07/2003	O-DICHLOROBENZENE	EP-C	ND	0.6000000	MG/L
C310087-01V	10/21/2003	11/07/2003	P-DICHLOROBENZENE	EP-C	ND	0.0750000	MG/L
C310087-01V	10/21/2003	11/07/2003	STYRENE	EP-C	ND	0.1000000	MG/L
C310087-01V	10/21/2003	11/07/2003	TETRACHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	TOLUENE	EP-C	ND	1.0000000	MG/L
C310087-01V	10/21/2003	11/07/2003	TRANS-1,2-DICHLOROETHYLENE	EP-C	ND	0.1000000	MG/L
C310087-01V	10/21/2003	11/07/2003	TRICHLOROETHYLENE	EP-C	ND	0.0050000	MG/L
C310087-01V	10/21/2003	11/07/2003	VINYL CHLORIDE	EP-C	ND	0.0020000	MG/L
C310087-01V	10/21/2003	11/07/2003	XYLENES, TOTAL	EP-C	ND	10.0000000	MG/L

NB310356N	10/21/2003	11/04/2003	NITRATE	EP-C	ND	10.000000	MG/L
30122-36S	10/21/2003	11/07/2003	2,4,5-TP	EP-D	ND	0.0500000	MG/L
30122-36S	10/21/2003	11/07/2003	2,4-D	EP-D	ND	0.0700000	MG/L
30122-36S	10/21/2003	11/07/2003	ATRAZINE	EP-D	ND	0.0030000	MG/L
30122-36S	10/21/2003	11/07/2003	BENZO(A)PYRENE	EP-D	ND	0.0002000	MG/L
30122-36S	10/21/2003	11/07/2003	BHC-GAMMA	EP-D	ND	0.0002000	MG/L
30122-36S	10/21/2003	11/07/2003	CHLORDANE	EP-D	ND	0.0020000	MG/L
30122-36S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) ADIPATE	EP-D	ND	0.4000000	MG/L
30122-36S	10/21/2003	11/07/2003	DI(2-ETHYLHEXYL) PHTHALATE	EP-D	ND	0.0060000	MG/L
30122-36S	10/21/2003	11/07/2003	DINOSEB	EP-D	ND	0.0070000	MG/L
30122-36S	10/21/2003	11/07/2003	ENDOTHALL	EP-D	ND	0.1000000	MG/L
30122-36S	10/21/2003	11/07/2003	ENDRIN	EP-D	ND	0.0020000	MG/L
30122-36S	10/21/2003	11/07/2003	HEPTACHLOR	EP-D	ND	0.0004000	MG/L
30122-36S	10/21/2003	11/07/2003	HEPTACHLOR EPOXIDE	EP-D	ND	0.0002000	MG/L
30122-36S	10/21/2003	11/07/2003	HEXACHLOROBENZENE	EP-D	ND	0.0010000	MG/L
30122-36S	10/21/2003	11/07/2003	HEXACHLOROCYCLOPENTADIENE	EP-D	ND	0.0500000	MG/L
30122-36S	10/21/2003	11/07/2003	LASSO	EP-D	ND	0.0020000	MG/L
30122-36S	10/21/2003	11/07/2003	METHOXYCHLOR	EP-D	ND	0.0400000	MG/L
30122-36S	10/21/2003	11/07/2003	PENTACHLOROPHENOL	EP-D	ND	0.0010000	MG/L
30122-36S	10/21/2003	11/07/2003	PICLORAM	EP-D	ND	0.5000000	MG/L
30122-36S	10/21/2003	11/07/2003	SIMAZINE	EP-D	ND	0.0040000	MG/L
30122-36S	10/21/2003	11/07/2003	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-D	ND	0.0005000	MG/L
30122-36S	10/21/2003	11/07/2003	TOXAPHENE	EP-D	ND	0.0030000	MG/L
C310087-03	10/21/2003	11/07/2003	1,2-DIBROMO-3-CHLOROPROPANE	EP-D	ND	0.0002000	MG/L
C310087-03	10/21/2003	11/07/2003	CARBOFURAN	EP-D	ND	0.0400000	MG/L
C310087-03	10/21/2003	11/07/2003	DALAPON	EP-D	ND	0.2000000	MG/L
C310087-03	10/21/2003	11/07/2003	DIQUAT	EP-D	ND	0.0200000	MG/L
C310087-03	10/21/2003	11/07/2003	ETHYLENE DIBROMIDE	EP-D	ND	0.0000500	MG/L
C310087-03	10/21/2003	11/07/2003	GLYPHOSATE	EP-D	ND	0.7000000	MG/L
C310087-03	10/21/2003	11/07/2003	OXAMYL	EP-D	ND	0.2000000	MG/L
C310087-03A	10/21/2003	11/07/2003	ARSENIC	EP-D	ND	0.0100000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,1,1-TRICHLOROETHANE	EP-D	ND	0.2000000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,1,2-TRICHLOROETHANE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,1-DICHLOROETHYLENE	EP-D	ND	0.0070000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,2,4-TRICHLOROBENZENE	EP-D	ND	0.0700000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,2-DICHLOROETHANE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	1,2-DICHLOROPROPANE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	BENZENE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	CARBON TETRACHLORIDE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	CHLOROBENZENE	EP-D	ND	0.1000000	MG/L
C310087-03V	10/21/2003	11/07/2003	CIS-1,2-DICHLOROETHYLENE	EP-D	ND	0.0700000	MG/L
C310087-03V	10/21/2003	11/07/2003	DICHLOROMETHANE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	ETHYLBENZENE	EP-D	ND	0.7000000	MG/L
C310087-03V	10/21/2003	11/07/2003	O-DICHLOROBENZENE	EP-D	ND	0.6000000	MG/L
C310087-03V	10/21/2003	11/07/2003	P-DICHLOROBENZENE	EP-D	ND	0.0750000	MG/L
C310087-03V	10/21/2003	11/07/2003	STYRENE	EP-D	ND	0.1000000	MG/L
C310087-03V	10/21/2003	11/07/2003	TETRACHLOROETHYLENE	EP-D	ND	0.0050000	MG/L

C310087-03V	10/21/2003	11/07/2003	TOLUENE	EP-D	ND	1.0000000	MG/L
C310087-03V	10/21/2003	11/07/2003	TRANS-1,2-DICHLOROETHYLENE	EP-D	ND	0.1000000	MG/L
C310087-03V	10/21/2003	11/07/2003	TRICHLOROETHYLENE	EP-D	ND	0.0050000	MG/L
C310087-03V	10/21/2003	11/07/2003	VINYL CHLORIDE	EP-D	ND	0.0020000	MG/L
C310087-03V	10/21/2003	11/07/2003	XYLENES, TOTAL	EP-D	ND	10.0000000	MG/L
NB310355N	10/21/2003	11/04/2003	NITRATE	EP-D	ND	10.0000000	MG/L
C309087-2R	09/16/2003	11/18/2003	COMBINED RADIUM (-226 & -228)	EP-B	ND	5.0000000	PCI/L
C309087-2R	09/16/2003	11/18/2003	COMBINED URANIUM	EP-B	0.0001200	0.0300000	MG/L
C3090872	09/16/2003	01/24/2005	COMBINED RADIUM (-226 & -228)	EP-B	ND	5.0000000	PCI/L
C3090872	09/16/2003	01/24/2005	COMBINED URANIUM	EP-B	0.0001200	0.0300000	MG/L
C309087-1R	09/16/2003	11/18/2003	COMBINED RADIUM (-226 & -228)	EP-C	ND	5.0000000	PCI/L
C309087-1R	09/16/2003	11/18/2003	COMBINED URANIUM	EP-C	0.0001600	0.0300000	MG/L
C3090871	09/16/2003		COMBINED RADIUM (-226 & -228)	EP-C	ND	5.0000000	PCI/L
C3090871	09/16/2003		COMBINED URANIUM	EP-C	0.0001600	0.0300000	MG/L
C309087-3R	09/16/2003	11/18/2003	COMBINED RADIUM (-226 & -228)	EP-D	ND	5.0000000	PCI/L
C309087-3R	09/16/2003	11/18/2003	COMBINED URANIUM	EP-D	0.0000220	0.0300000	MG/L
C3090873	09/16/2003	01/24/2005	COMBINED RADIUM (-226 & -228)	EP-D	ND	5.0000000	PCI/L
C3090873	09/16/2003	01/24/2005	COMBINED URANIUM	EP-D	0.0000220	0.0300000	MG/L
NB210009	10/01/2002	10/08/2002	NITRATE	EP-B	ND	10.0000000	MG/L
NB210010	10/01/2002	10/08/2002	NITRATE	EP-C	ND	10.0000000	MG/L
NB210011	10/01/2002	10/08/2002	NITRATE	EP-D	ND	10.0000000	MG/L

Archived Results

Sample Date	Receive Date	Chemical	Source ID	Results	MCL
09/18/2001	10/25/2001	Gross Alpha, Excl. Radon & U	BA	ND	15.000000
09/18/2001	10/08/2001	Nitrate	BA	ND	10.000000
09/18/2001	10/25/2001	Gross Alpha, Excl. Radon & U	CA	ND	15.000000
09/18/2001	10/08/2001	Nitrate	CA	ND	10.000000
09/18/2001	10/25/2001	Gross Alpha, Excl. Radon & U	DA	ND	15.000000
09/18/2001	10/08/2001	Nitrate	DA	ND	10.000000
07/10/2001	08/13/2001	Adipates (Di(2-Ethylhexyl))	DA	ND	0.400000
07/10/2001	08/13/2001	Alachlor (Lasso)	DA	ND	0.002000
07/10/2001	08/13/2001	Aldrin	DA	ND	
07/10/2001	08/13/2001	Atrazine	DA	ND	0.003000
07/10/2001	08/13/2001	Benzo (A) Pyrene	DA	ND	0.000200
07/10/2001	08/13/2001	BHC-gamma (Lindane)	DA	ND	0.000200
07/10/2001	08/13/2001	Butachlor	DA	ND	
07/10/2001	08/13/2001	Dieldrin	DA	ND	
07/10/2001	08/13/2001	Endrin	DA	ND	0.002000
07/10/2001	08/13/2001	Heptachlor	DA	ND	0.000400
07/10/2001	08/13/2001	Heptachlor Epoxide	DA	ND	0.000200
07/10/2001	08/13/2001	Hexachlorobenzene (HCB)	DA	ND	0.001000
07/10/2001	08/13/2001	Hexachlorocyclopentadiene	DA	ND	0.050000
07/10/2001	08/13/2001	Methoxychlor	DA	ND	0.040000
07/10/2001	08/13/2001	Metolachlor	DA	ND	
07/10/2001	08/13/2001	Metribuzin	DA	ND	
07/10/2001	08/13/2001	Phthalates (Di(2-Ethylhexyl))	DA	ND	0.006000
07/10/2001	08/13/2001	Propachlor	DA	ND	

07/10/2001	08/13/2001	Simazine	DA	ND	0.0040000
10/24/2000	01/12/2001	1,1,1-Trichloroethane	BA	ND	0.2000000
10/24/2000	01/12/2001	1,1,2-Trichloroethane	BA	ND	0.0050000
10/24/2000	01/12/2001	1,1-Dichloroethylene	BA	ND	0.0070000
10/24/2000	01/12/2001	1,2,4-Trichlorobenzene	BA	ND	0.0700000
10/24/2000	01/12/2001	1,2-Dibromo-3-Chloropropane (DBCP)	BA	ND	0.0002000
10/24/2000	01/12/2001	1,2-Dichloroethane	BA	ND	0.0050000
10/24/2000	01/12/2001	1,2-Dichloropropane	BA	ND	0.0050000
10/24/2000	01/12/2001	2,4,5-TP Silvex	BA	ND	0.0500000
10/24/2000	01/12/2001	2,4-D	BA	ND	0.0700000
10/24/2000	01/12/2001	Adipates (Di(2-Ethylhexyl))	BA	ND	0.4000000
10/24/2000	01/12/2001	Alachlor (Lasso)	BA	ND	0.0020000
10/24/2000	01/12/2001	Antimony Total	BA	ND	0.0060000
10/24/2000	01/12/2001	Arsenic	BA	ND	0.0500000
10/24/2000	01/12/2001	Atrazine	BA	ND	0.0030000
10/24/2000	01/12/2001	Barium	BA	ND	2.0000000
10/24/2000	01/12/2001	Benzene	BA	ND	0.0050000
10/24/2000	01/12/2001	Benzo (A) Pyrene	BA	ND	0.0002000
10/24/2000	01/12/2001	Beryllium Total	BA	ND	0.0040000
10/24/2000	01/12/2001	BHC-gamma (Lindane)	BA	ND	0.0002000
10/24/2000	01/12/2001	Cadmium	BA	ND	0.0050000
10/24/2000	01/12/2001	Carbofuran	BA	ND	0.0400000
10/24/2000	01/12/2001	Carbon Tetrachloride	BA	ND	0.0050000
10/24/2000	01/12/2001	Chlordane	BA	ND	0.0020000
10/24/2000	01/12/2001	Chromium	BA	ND	0.1000000
10/24/2000	01/12/2001	Cis-1,2-Dichloroethylene	BA	ND	0.0700000
10/24/2000	01/12/2001	Cyanide	BA	ND	0.2000000
10/24/2000	01/12/2001	Dalapon	BA	ND	0.2000000
10/24/2000	01/12/2001	Dichloromethane (Methylene Chloride)	BA	ND	0.0050000
10/24/2000	01/12/2001	Dinoseb	BA	ND	0.0070000
10/24/2000	01/12/2001	Diquat	BA	ND	0.0200000
10/24/2000	01/12/2001	Endothall	BA	ND	0.1000000
10/24/2000	01/12/2001	Endrin	BA	ND	0.0020000
10/24/2000	01/12/2001	Ethylbenzene	BA	ND	0.7000000
10/24/2000	01/12/2001	Ethylene Dibromide (EDB)	BA	ND	0.0000500
10/24/2000	01/12/2001	Fluoride	BA	0.1000000	4.0000000
10/24/2000	01/12/2001	Glyphosate	BA	ND	0.7000000
10/24/2000	01/12/2001	Heptachlor	BA	ND	0.0004000
10/24/2000	01/12/2001	Heptachlor Epoxide	BA	ND	0.0002000
10/24/2000	01/12/2001	Hexachlorobenzene (HCB)	BA	ND	0.0010000
10/24/2000	01/12/2001	Hexachlorocyclopentadiene	BA	ND	0.0500000
10/24/2000	01/12/2001	Lead	BA	ND	0.0150000
10/24/2000	01/12/2001	Mercury	BA	ND	0.0020000
10/24/2000	01/12/2001	Methoxychlor	BA	ND	0.0400000
10/24/2000	01/12/2001	Monochlorobenzene (Chlorobenzene)	BA	ND	0.1000000
10/24/2000	01/12/2001	Nickel	BA	ND	0.1000000
10/24/2000	01/12/2001	Nitrate	BA	0.1100000	10.0000000
10/24/2000	01/12/2001	Nitrate-Nitrite	BA	0.1100000	10.0000000

	01/12/2001	Nitrite	BA	ND	1.0000000
10/24/2000	01/12/2001	O-Dichlorobenzene	BA	ND	0.6000000
10/24/2000	01/12/2001	P-Dichlorobenzene	BA	ND	0.0750000
10/24/2000	01/12/2001	Pentachlorophenol	BA	ND	0.0010000
10/24/2000	01/12/2001	Phthalates (Di(2-Ethylhexyl))	BA	ND	0.0060000
10/24/2000	01/12/2001	Picloram	BA	ND	0.5000000
10/24/2000	01/12/2001	Selenium	BA	ND	0.0500000
10/24/2000	01/12/2001	Simazine	BA	ND	0.0040000
10/24/2000	01/12/2001	Sodium	BA	9.6500000	
10/24/2000	01/12/2001	Styrene	BA	ND	0.1000000
10/24/2000	01/12/2001	Sulfate	BA	1.0900000	
10/24/2000	01/12/2001	Tetrachloroethylene	BA	ND	0.0050000
10/24/2000	01/12/2001	Thallium Total	BA	ND	0.0020000
10/24/2000	01/12/2001	Toluene	BA	ND	1.0000000
10/24/2000	01/12/2001	Total Polychlorinated Biphenyls (PCB)	BA	ND	0.0005000
10/24/2000	01/12/2001	Total Xylenes	BA	ND	10.0000000
10/24/2000	01/12/2001	Toxaphene	BA	ND	0.0030000
10/24/2000	01/12/2001	Trans-1,2-Dichloroethylene	BA	ND	0.1000000
10/24/2000	01/12/2001	Trichloroethylene	BA	ND	0.0050000
10/24/2000	01/12/2001	Vinyl Chloride	BA	ND	0.0020000
10/24/2000	01/12/2001	Vydate (Oxamyl)	BA	ND	0.2000000
10/24/2000	01/12/2001	1,1,1-Trichloroethane	CA	ND	0.2000000
10/24/2000	01/12/2001	1,1,2-Trichloroethane	CA	ND	0.0050000
10/24/2000	01/12/2001	1,1-Dichloroethylene	CA	ND	0.0070000
10/24/2000	01/12/2001	1,2,4-Trichlorobenzene	CA	ND	0.0700000
10/24/2000	01/12/2001	1,2-Dibromo-3-Chloropropane (DBCP)	CA	ND	0.0002000
10/24/2000	01/12/2001	1,2-Dichloroethane	CA	ND	0.0050000
10/24/2000	01/12/2001	1,2-Dichloropropane	CA	ND	0.0050000
10/24/2000	01/12/2001	2,4,5-TP Silvex	CA	ND	0.0500000
10/24/2000	01/12/2001	2,4-D	CA	ND	0.0700000
10/24/2000	01/12/2001	Adipates (Di(2-Ethylhexyl))	CA	ND	0.4000000
10/24/2000	01/12/2001	Alachlor (Lasso)	CA	ND	0.0020000
10/24/2000	01/12/2001	Antimony Total	CA	ND	0.0060000
10/24/2000	01/12/2001	Arsenic	CA	ND	0.0500000
10/24/2000	01/12/2001	Atrazine	CA	ND	0.0030000
10/24/2000	01/12/2001	Barium	CA	ND	2.0000000
10/24/2000	01/12/2001	Benzene	CA	ND	0.0050000
10/24/2000	01/12/2001	Benzo (A) Pyrene	CA	ND	0.0002000
10/24/2000	01/12/2001	Beryllium Total	CA	ND	0.0040000
10/24/2000	01/12/2001	BHC-gamma (Lindane)	CA	ND	0.0002000
10/24/2000	01/12/2001	Cadmium	CA	ND	0.0050000
10/24/2000	01/12/2001	Carbofuran	CA	ND	0.0400000
10/24/2000	01/12/2001	Carbon Tetrachloride	CA	ND	0.0050000
10/24/2000	01/12/2001	Chlordane	CA	ND	0.0020000
10/24/2000	01/12/2001	Chromium	CA	ND	0.1000000
10/24/2000	01/12/2001	Cis-1,2-Dichloroethylene	CA	ND	0.0700000
10/24/2000	01/12/2001	Cyanide	CA	ND	0.2000000
10/24/2000	01/12/2001	Dalapon	CA	ND	0.2000000

10/24/2000	01/12/2001	Dichloromethane (Methylene Chloride)	CA	ND	0.0050000
10/24/2000	01/12/2001	Dinoseb	CA	ND	0.0070000
10/24/2000	01/12/2001	Diquat	CA	ND	0.0200000
10/24/2000	01/12/2001	Endothall	CA	ND	0.1000000
10/24/2000	01/12/2001	Endrin	CA	ND	0.0020000
10/24/2000	01/12/2001	Ethylbenzene	CA	ND	0.7000000
10/24/2000	01/12/2001	Ethylene Dibromide (EDB)	CA	ND	0.0000500
10/24/2000	01/12/2001	Fluoride	CA	0.1200000	4.0000000
10/24/2000	01/12/2001	Glyphosate	CA	ND	0.7000000
10/24/2000	01/12/2001	Heptachlor	CA	ND	0.0004000
10/24/2000	01/12/2001	Heptachlor Epoxide	CA	ND	0.0002000
10/24/2000	01/12/2001	Hexachlorobenzene (HCB)	CA	ND	0.0010000
10/24/2000	01/12/2001	Hexachlorocyclopentadiene	CA	ND	0.0500000
10/24/2000	01/12/2001	Lead	CA	ND	0.0150000
10/24/2000	01/12/2001	Mercury	CA	ND	0.0020000
10/24/2000	01/12/2001	Methoxychlor	CA	ND	0.0400000
10/24/2000	01/12/2001	Monochlorobenzene (Chlorobenzene)	CA	ND	0.1000000
10/24/2000	01/12/2001	Nickel	CA	ND	0.1000000
10/24/2000	01/12/2001	Nitrate	CA	ND	10.000000
10/24/2000	01/12/2001	Nitrate-Nitrite	CA	ND	10.000000
10/24/2000	01/12/2001	Nitrite	CA	ND	1.0000000
10/24/2000	01/12/2001	O-Dichlorobenzene	CA	ND	0.6000000
10/24/2000	01/12/2001	P-Dichlorobenzene	CA	ND	0.0750000
10/24/2000	01/12/2001	Pentachlorophenol	CA	ND	0.0010000
10/24/2000	01/12/2001	Phthalates (DI(2-Ethylhexyl))	CA	ND	0.0060000
10/24/2000	01/12/2001	Picloram	CA	ND	0.5000000
10/24/2000	01/12/2001	Selenium	CA	ND	0.0500000
10/24/2000	01/12/2001	Simazine	CA	ND	0.0040000
10/24/2000	01/12/2001	Sodium	CA	10.500000	
10/24/2000	01/12/2001	Styrene	CA	ND	0.1000000
10/24/2000	01/12/2001	Sulfate	CA	1.0700000	
10/24/2000	01/12/2001	Tetrachloroethylene	CA	ND	0.0050000
10/24/2000	01/12/2001	Thallium Total	CA	ND	0.0020000
10/24/2000	01/12/2001	Toluene	CA	ND	1.0000000
10/24/2000	01/12/2001	Total Polychlorinated Biphenyls (PCB)	CA	ND	0.0005000
10/24/2000	01/12/2001	Total Xylenes	CA	ND	10.000000
10/24/2000	01/12/2001	Toxaphene	CA	ND	0.0030000
10/24/2000	01/12/2001	Trans-1,2-Dichloroethylene	CA	ND	0.1000000
10/24/2000	01/12/2001	Trichloroethylene	CA	ND	0.0050000
10/24/2000	01/12/2001	Vinyl Chloride	CA	ND	0.0020000
10/24/2000	01/12/2001	Vydate (Oxamyl)	CA	ND	0.2000000
10/24/2000	01/12/2001	1,1,1-Trichloroethane	DA	ND	0.2000000
10/24/2000	01/12/2001	1,1,2-Trichloroethane	DA	ND	0.0050000
10/24/2000	01/12/2001	1,1-Dichloroethylene	DA	ND	0.0070000
10/24/2000	01/12/2001	1,2,4-Trichlorobenzene	DA	ND	0.0700000
10/24/2000	01/12/2001	1,2-Dibromo-3-Chloropropane (DBCP)	DA	ND	0.0002000
10/24/2000	01/12/2001	1,2-Dichloroethane	DA	ND	0.0050000
10/24/2000	01/12/2001	1,2-Dichloropropane	DA	ND	0.0050000

10/24/2000	01/12/2001	2,4,5-TP Silvex	DA	ND	0.0500000
10/24/2000	01/12/2001	2,4-D	DA	ND	0.0700000
10/24/2000	01/12/2001	Antimony Total	DA	ND	0.0060000
10/24/2000	01/12/2001	Arsenic	DA	ND	0.0500000
10/24/2000	01/12/2001	Barium	DA	ND	2.0000000
10/24/2000	01/12/2001	Benzene	DA	ND	0.0050000
10/24/2000	01/12/2001	Beryllium Total	DA	ND	0.0040000
10/24/2000	01/12/2001	Cadmium	DA	ND	0.0050000
10/24/2000	01/12/2001	Carbofuran	DA	ND	0.0400000
10/24/2000	01/12/2001	Carbon Tetrachloride	DA	ND	0.0050000
10/24/2000	01/12/2001	Chlordane	DA	ND	0.0020000
10/24/2000	01/12/2001	Chromium	DA	ND	0.1000000
10/24/2000	01/12/2001	Cis-1,2-Dichloroethylene	DA	ND	0.0700000
10/24/2000	01/12/2001	Cyanide	DA	ND	0.2000000
10/24/2000	01/12/2001	Dalapon	DA	ND	0.2000000
10/24/2000	01/12/2001	Dichloromethane (Methylene Chloride)	DA	ND	0.0050000
10/24/2000	01/12/2001	Dinoseb	DA	ND	0.0070000
10/24/2000	01/12/2001	Diquat	DA	ND	0.0200000
10/24/2000	01/12/2001	Endothall	DA	ND	0.1000000
10/24/2000	01/12/2001	Ethylbenzene	DA	ND	0.7000000
10/24/2000	01/12/2001	Ethylene Dibromide (EDB)	DA	ND	0.0000500
10/24/2000	01/12/2001	Fluoride	DA	0.1500000	4.0000000
10/24/2000	01/12/2001	Glyphosate	DA	ND	0.7000000
10/24/2000	01/12/2001	Lead	DA	ND	0.0150000
10/24/2000	01/12/2001	Mercury	DA	ND	0.0020000
10/24/2000	01/12/2001	Monochlorobenzene (Chlorobenzene)	DA	ND	0.1000000
10/24/2000	01/12/2001	Nickel	DA	ND	0.1000000
10/24/2000	01/12/2001	Nitrate	DA	ND	10.0000000
10/24/2000	01/12/2001	Nitrate-Nitrite	DA	ND	10.0000000
10/24/2000	01/12/2001	Nitrite	DA	0.0110000	1.0000000
10/24/2000	01/12/2001	O-Dichlorobenzene	DA	ND	0.6000000
10/24/2000	01/12/2001	P-Dichlorobenzene	DA	ND	0.0750000
10/24/2000	01/12/2001	Pentachlorophenol	DA	ND	0.0010000
10/24/2000	01/12/2001	Picloram	DA	ND	0.5000000
10/24/2000	01/12/2001	Selenium	DA	ND	0.0500000
10/24/2000	01/12/2001	Sodium	DA	16.6000000	
10/24/2000	01/12/2001	Styrene	DA	ND	0.1000000
10/24/2000	01/12/2001	Sulfate	DA	ND	
10/24/2000	01/12/2001	Tetrachloroethylene	DA	ND	0.0050000
10/24/2000	01/12/2001	Thallium Total	DA	ND	0.0020000
10/24/2000	01/12/2001	Toluene	DA	ND	1.0000000
10/24/2000	01/12/2001	Total Polychlorinated Biphenyls (PCB)	DA	ND	0.0005000
10/24/2000	01/12/2001	Total Xylenes	DA	ND	10.0000000
10/24/2000	01/12/2001	Toxaphene	DA	ND	0.0030000
10/24/2000	01/12/2001	Trans-1,2-Dichloroethylene	DA	ND	0.1000000
10/24/2000	01/12/2001	Trichloroethylene	DA	ND	0.0050000
10/24/2000	01/12/2001	Vinyl Chloride	DA	ND	0.0020000
10/24/2000	01/12/2001	Vydate (Oxamyl)	DA	ND	0.2000000

09/23/1999	09/30/1999	Nitrate	BA	0.2400000	10.000000
09/23/1999	09/30/1999	Nitrate	CA	ND	10.000000
09/23/1999	09/30/1999	Nitrate	DA	ND	10.000000
10/28/1998	12/18/1998	Nitrate	BA	0.1400000	10.000000
10/28/1998	11/02/1998	Nitrate	BA	0.1400000	10.000000
10/28/1998	11/02/1998	Nitrate	CA	0.1600000	10.000000
10/28/1998	12/18/1998	Nitrate	CA	0.1600000	10.000000
10/28/1998	12/18/1998	Nitrate	DA	0.1000000	10.000000
10/28/1998	11/02/1998	Nitrate	DA	0.1000000	10.000000
11/25/1997	01/20/1998	1,1,1,2-Tetrachloroethane	BA	ND	
11/25/1997	01/20/1998	1,1,1-Trichloroethane	BA	ND	0.2000000
11/25/1997	01/20/1998	1,1,2,2,-Tetrachloroethane	BA	ND	
11/25/1997	01/20/1998	1,1,2-Trichloroethane	BA	ND	0.0050000
11/25/1997	01/20/1998	1,1-Dichloroethane	BA	ND	
11/25/1997	01/20/1998	1,1-Dichloroethylene	BA	ND	0.0070000
11/25/1997	01/20/1998	1,1-Dichloropropene	BA	ND	
11/25/1997	01/20/1998	1,2,3-Trichloropropane	BA	ND	
11/25/1997	01/20/1998	1,2,4-Trichlorobenzene	BA	ND	0.0700000
11/25/1997	01/20/1998	1,2-Dibromo-3-Chloropropane (DBCP)	BA	ND	0.0002000
11/25/1997	01/20/1998	1,2-Dichloroethane	BA	ND	0.0050000
11/25/1997	01/20/1998	1,2-Dichloropropane	BA	ND	0.0050000
11/25/1997	01/20/1998	1,3-Dichloropropane	BA	ND	
11/25/1997	01/20/1998	1,3-Dichloropropene	BA	ND	
11/25/1997	01/20/1998	2,2-Dichloropropane	BA	ND	
11/25/1997	01/20/1998	2,4,5-TP Silvex	BA	ND	0.0500000
11/25/1997	01/20/1998	2,4-D	BA	ND	0.0700000
11/25/1997	01/20/1998	3-Hydroxycarbofuran	BA	ND	
11/25/1997	01/20/1998	Adipates (DI(2-Ethylhexyl))	BA	ND	0.4000000
11/25/1997	01/20/1998	Alachlor (Lasso)	BA	ND	0.0020000
11/25/1997	01/20/1998	Aldicarb	BA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfone	BA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfoxide	BA	ND	
11/25/1997	01/20/1998	Aldrin	BA	ND	
11/25/1997	01/20/1998	Antimony Total	BA	ND	0.0060000
11/25/1997	01/20/1998	Arsenic	BA	0.0058000	0.0500000
11/25/1997	01/20/1998	Atrazine	BA	ND	0.0030000
11/25/1997	01/20/1998	Barium	BA	ND	2.0000000
11/25/1997	01/20/1998	Benzene	BA	ND	0.0050000
11/25/1997	01/20/1998	Benzo (A) Pyrene	BA	ND	0.0002000
11/25/1997	01/20/1998	Beryllium Total	BA	ND	0.0040000
11/25/1997	01/20/1998	BHC-gamma (Lindane)	BA	ND	0.0002000
11/25/1997	01/20/1998	Bromobenzene	BA	ND	
11/25/1997	01/20/1998	Bromodichloromethane	BA	ND	
11/25/1997	01/20/1998	Bromoform	BA	ND	
11/25/1997	01/20/1998	Bromomethane	BA	ND	
11/25/1997	01/20/1998	Butachlor	BA	ND	
11/25/1997	01/20/1998	Cadmium	BA	ND	0.0050000
11/25/1997	01/20/1998	Carbaryl	BA	ND	

11/25/1997	01/20/1998	Carbofuran	BA	ND	0.0400000
11/25/1997	01/20/1998	Carbon Tetrachloride	BA	ND	0.0050000
11/25/1997	01/20/1998	Chlordane	BA	ND	0.0020000
11/25/1997	01/20/1998	Chloroethane	BA	ND	
11/25/1997	01/20/1998	Chloroform	BA	ND	
11/25/1997	01/20/1998	Chloromethane	BA	ND	
11/25/1997	01/20/1998	Chromium	BA	ND	0.1000000
11/25/1997	01/20/1998	Cis-1,2-Dichloroethylene	BA	ND	0.0700000
11/25/1997	01/20/1998	Cyanide	BA	ND	0.2000000
11/25/1997	01/20/1998	Dalapon	BA	ND	0.2000000
11/25/1997	01/20/1998	Dibromochloromethane	BA	ND	
11/25/1997	01/20/1998	Dibromomethane	BA	ND	
11/25/1997	01/20/1998	Dicamba	BA	ND	
11/25/1997	01/20/1998	Dichloromethane (Methylene Chloride)	BA	ND	0.0050000
11/25/1997	01/20/1998	Dieldrin	BA	ND	
11/25/1997	01/20/1998	Dinoseb	BA	ND	0.0070000
11/25/1997	01/20/1998	Diquat	BA	ND	0.0200000
11/25/1997	01/20/1998	Endothall	BA	ND	0.1000000
11/25/1997	01/20/1998	Endrin	BA	ND	0.0020000
11/25/1997	01/20/1998	Ethylbenzene	BA	ND	0.7000000
11/25/1997	01/20/1998	Ethylene Dibromide (EDB)	BA	ND	0.0000500
11/25/1997	01/20/1998	Fluoride	BA	0.1100000	4.0000000
11/25/1997	01/20/1998	Glyphosate	BA	ND	0.7000000
11/25/1997	01/20/1998	Gross Alpha, Excl. Radon & U	BA	ND	15.0000000
11/25/1997	01/20/1998	Heptachlor	BA	ND	0.0004000
11/25/1997	01/20/1998	Heptachlor Epoxide	BA	ND	0.0002000
11/25/1997	01/20/1998	Hexachlorobenzene (HCB)	BA	ND	0.0010000
11/25/1997	01/20/1998	Hexachlorocyclopentadiene	BA	ND	0.0500000
11/25/1997	01/20/1998	M-Dichlorobenzene	BA	ND	
11/25/1997	01/20/1998	Mercury	BA	ND	0.0020000
11/25/1997	01/20/1998	Methomyl	BA	ND	
11/25/1997	01/20/1998	Methoxychlor	BA	ND	0.0400000
11/25/1997	01/20/1998	Metolachlor	BA	ND	
11/25/1997	01/20/1998	Metribuzin	BA	ND	
11/25/1997	01/20/1998	Monochlorobenzene (Chlorobenzene)	BA	ND	0.1000000
11/25/1997	01/20/1998	Nickel	BA	ND	0.1000000
11/25/1997	01/20/1998	Nitrate	BA	0.0800000	10.0000000
11/25/1997	01/20/1998	Nitrite	BA	ND	1.0000000
11/25/1997	01/20/1998	O-Chlorotoluene	BA	ND	
11/25/1997	01/20/1998	O-Dichlorobenzene	BA	ND	0.6000000
11/25/1997	01/20/1998	P-Chlorotoluene	BA	ND	
11/25/1997	01/20/1998	P-Dichlorobenzene	BA	ND	0.0750000
11/25/1997	01/20/1998	Pentachlorophenol	BA	ND	0.0010000
11/25/1997	01/20/1998	Phthalates (Di(2-Ethylhexyl))	BA	ND	0.0060000
11/25/1997	01/20/1998	Picloram	BA	ND	0.5000000
11/25/1997	01/20/1998	Propachlor	BA	ND	
11/25/1997	01/20/1998	Selenium	BA	ND	0.0500000
11/25/1997	01/20/1998	Simazine	BA	ND	0.0040000

11/25/1997	01/20/1998	Sodium	BA	12.000000	
11/25/1997	01/20/1998	Styrene	BA	ND	0.1000000
11/25/1997	01/20/1998	Sulfate	BA	1.0000000	
11/25/1997	01/20/1998	Tetrachloroethylene	BA	ND	0.0050000
11/25/1997	01/20/1998	Thallium Total	BA	ND	0.0020000
11/25/1997	01/20/1998	Toluene	BA	ND	1.0000000
11/25/1997	01/20/1998	Total Polychlorinated Biphenyls (PCB)	BA	ND	0.0005000
11/25/1997	01/20/1998	Total Xylenes	BA	ND	10.000000
11/25/1997	01/20/1998	Toxaphene	BA	ND	0.0030000
11/25/1997	01/20/1998	Trans-1,2-Dichloroethylene	BA	ND	0.1000000
11/25/1997	01/20/1998	Trichloroethylene	BA	ND	0.0050000
11/25/1997	01/20/1998	Vinyl Chloride	BA	ND	0.0020000
11/25/1997	01/20/1998	Vydate (Oxamyl)	BA	ND	0.2000000
11/25/1997	01/20/1998	1,1,1,2-Tetrachloroethane	CA	ND	
11/25/1997	01/20/1998	1,1,1-Trichloroethane	CA	ND	0.2000000
11/25/1997	01/20/1998	1,1,2,2,-Tetrachloroethane	CA	ND	
11/25/1997	01/20/1998	1,1,2-Trichloroethane	CA	ND	0.0050000
11/25/1997	01/20/1998	1,1-Dichloroethane	CA	ND	
11/25/1997	01/20/1998	1,1-Dichloroethylene	CA	ND	0.0070000
11/25/1997	01/20/1998	1,1-Dichloropropene	CA	ND	
11/25/1997	01/20/1998	1,2,3-Trichloropropane	CA	ND	
11/25/1997	01/20/1998	1,2,4-Trichlorobenzene	CA	ND	0.0700000
11/25/1997	01/20/1998	1,2-Dibromo-3-Chloropropane (DBCP)	CA	ND	0.0002000
11/25/1997	01/20/1998	1,2-Dichloroethane	CA	ND	0.0050000
11/25/1997	01/20/1998	1,2-Dichloropropane	CA	ND	0.0050000
11/25/1997	01/20/1998	1,3-Dichloropropane	CA	ND	
11/25/1997	01/20/1998	1,3-Dichloropropene	CA	ND	
11/25/1997	01/20/1998	2,2-Dichloropropane	CA	ND	
11/25/1997	01/20/1998	2,4,5-TP Silvex	CA	ND	0.0500000
11/25/1997	01/20/1998	2,4-D	CA	ND	0.0700000
11/25/1997	01/20/1998	3-Hydroxycarbofuran	CA	ND	
11/25/1997	01/20/1998	Adlpates (Di(2-Ethylhexyl))	CA	ND	0.4000000
11/25/1997	01/20/1998	Alachlor (Lasso)	CA	ND	0.0020000
11/25/1997	01/20/1998	Aldicarb	CA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfone	CA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfoxide	CA	ND	
11/25/1997	01/20/1998	Aldrin	CA	ND	
11/25/1997	01/20/1998	Antimony Total	CA	ND	0.0060000
11/25/1997	01/20/1998	Arsenic	CA	ND	0.0500000
11/25/1997	01/20/1998	Atrazine	CA	ND	0.0030000
11/25/1997	01/20/1998	Barium	CA	ND	2.0000000
11/25/1997	01/20/1998	Benzene	CA	ND	0.0050000
11/25/1997	01/20/1998	Benzo (A) Pyrene	CA	ND	0.0002000
11/25/1997	01/20/1998	Beryllium Total	CA	ND	0.0040000
11/25/1997	01/20/1998	BHC-gamma (Lindane)	CA	ND	0.0002000
11/25/1997	01/20/1998	Bromobenzene	CA	ND	
11/25/1997	01/20/1998	Bromodichloromethane	CA	ND	
11/25/1997	01/20/1998	Bromoform	CA	ND	

11/25/1997	01/20/1998	Bromomethane	CA	ND	
11/25/1997	01/20/1998	Butachlor	CA	ND	
11/25/1997	01/20/1998	Cadmium	CA	ND	0.0050000
11/25/1997	01/20/1998	Carbaryl	CA	ND	
11/25/1997	01/20/1998	Carbofuran	CA	ND	0.0400000
11/25/1997	01/20/1998	Carbon Tetrachloride	CA	ND	0.0050000
11/25/1997	01/20/1998	Chlordane	CA	ND	0.0020000
11/25/1997	01/20/1998	Chloroethane	CA	ND	
11/25/1997	01/20/1998	Chloroform	CA	ND	
11/25/1997	01/20/1998	Chloromethane	CA	ND	
11/25/1997	01/20/1998	Chromium	CA	ND	0.1000000
11/25/1997	01/20/1998	Cis-1,2-Dichloroethylene	CA	ND	0.0700000
11/25/1997	01/20/1998	Cyanide	CA	ND	0.2000000
11/25/1997	01/20/1998	Dalapon	CA	ND	0.2000000
11/25/1997	01/20/1998	Dibromochloromethane	CA	ND	
11/25/1997	01/20/1998	Dibromomethane	CA	ND	
11/25/1997	01/20/1998	Dicamba	CA	ND	
11/25/1997	01/20/1998	Dichloromethane (Methylene Chloride)	CA	ND	0.0050000
11/25/1997	01/20/1998	Dieldrin	CA	ND	
11/25/1997	01/20/1998	Dinoseb	CA	ND	0.0070000
11/25/1997	01/20/1998	Diquat	CA	ND	0.0200000
11/25/1997	01/20/1998	Endothall	CA	ND	0.1000000
11/25/1997	01/20/1998	Endrin	CA	ND	0.0020000
11/25/1997	01/20/1998	Ethylbenzene	CA	ND	0.7000000
11/25/1997	01/20/1998	Ethylene Dibromide (EDB)	CA	ND	0.0000500
11/25/1997	01/20/1998	Fluoride	CA	0.1100000	4.0000000
11/25/1997	01/20/1998	Glyphosate	CA	ND	0.7000000
11/25/1997	01/20/1998	Gross Alpha, Excl. Radon & U	CA	ND	15.000000
11/25/1997	01/20/1998	Heptachlor	CA	ND	0.0004000
11/25/1997	01/20/1998	Heptachlor Epoxide	CA	ND	0.0002000
11/25/1997	01/20/1998	Hexachlorobenzene (HCB)	CA	ND	0.0010000
11/25/1997	01/20/1998	Hexachlorocyclopentadiene	CA	ND	0.0500000
11/25/1997	01/20/1998	M-Dichlorobenzene	CA	ND	
11/25/1997	01/20/1998	Mercury	CA	ND	0.0020000
11/25/1997	01/20/1998	Methomyl	CA	ND	
11/25/1997	01/20/1998	Methoxychlor	CA	ND	0.0400000
11/25/1997	01/20/1998	Metolachlor	CA	ND	
11/25/1997	01/20/1998	Metribuzin	CA	ND	
11/25/1997	01/20/1998	Monochlorobenzene (Chlorobenzene)	CA	ND	0.1000000
11/25/1997	01/20/1998	Nickel	CA	ND	0.1000000
11/25/1997	01/20/1998	Nitrate	CA	0.0600000	10.000000
11/25/1997	01/20/1998	Nitrite	CA	ND	1.0000000
11/25/1997	01/20/1998	O-Chlorotoluene	CA	ND	
11/25/1997	01/20/1998	O-Dichlorobenzene	CA	ND	0.6000000
11/25/1997	01/20/1998	P-Chlorotoluene	CA	ND	
11/25/1997	01/20/1998	P-Dichlorobenzene	CA	ND	0.0750000
11/25/1997	01/20/1998	Pentachlorophenol	CA	ND	0.0010000
11/25/1997	01/20/1998	Phthalates (Di(2-Ethylhexyl))	CA	ND	0.0060000

11/25/1997	01/20/1998	Picloram	CA	ND	0.5000000
11/25/1997	01/20/1998	Propachlor	CA	ND	
11/25/1997	01/20/1998	Selenium	CA	ND	0.0500000
11/25/1997	01/20/1998	Simazine	CA	ND	0.0040000
11/25/1997	01/20/1998	Sodium	CA	13.0000000	
11/25/1997	01/20/1998	Styrene	CA	ND	0.1000000
11/25/1997	01/20/1998	Sulfate	CA	2.0000000	
11/25/1997	01/20/1998	Tetrachloroethylene	CA	ND	0.0050000
11/25/1997	01/20/1998	Thallium Total	CA	ND	0.0020000
11/25/1997	01/20/1998	Toluene	CA	ND	1.0000000
11/25/1997	01/20/1998	Total Polychlorinated Biphenyls (PCB)	CA	ND	0.0005000
11/25/1997	01/20/1998	Total Xylenes	CA	ND	10.0000000
11/25/1997	01/20/1998	Toxaphene	CA	ND	0.0030000
11/25/1997	01/20/1998	Trans-1,2-Dichloroethylene	CA	ND	0.1000000
11/25/1997	01/20/1998	Trichloroethylene	CA	ND	0.0050000
11/25/1997	01/20/1998	Vinyl Chloride	CA	ND	0.0020000
11/25/1997	01/20/1998	Vydate (Oxamyl)	CA	ND	0.2000000
11/25/1997	01/20/1998	1,1,1,2-Tetrachloroethane	DA	ND	
11/25/1997	01/20/1998	1,1,1-Trichloroethane	DA	ND	0.2000000
11/25/1997	01/20/1998	1,1,2,2-Tetrachloroethane	DA	ND	
11/25/1997	01/20/1998	1,1,2-Trichloroethane	DA	ND	0.0050000
11/25/1997	01/20/1998	1,1-Dichloroethane	DA	ND	
11/25/1997	01/20/1998	1,1-Dichloroethylene	DA	ND	0.0070000
11/25/1997	01/20/1998	1,1-Dichloropropene	DA	ND	
11/25/1997	01/20/1998	1,2,3-Trichloropropane	DA	ND	
11/25/1997	01/20/1998	1,2,4-Trichlorobenzene	DA	ND	0.0700000
11/25/1997	01/20/1998	1,2-Dibromo-3-Chloropropane (DBCP)	DA	ND	0.0002000
11/25/1997	01/20/1998	1,2-Dichloroethane	DA	ND	0.0050000
11/25/1997	01/20/1998	1,2-Dichloropropane	DA	ND	0.0050000
11/25/1997	01/20/1998	1,3-Dichloropropane	DA	ND	
11/25/1997	01/20/1998	1,3-Dichloropropene	DA	ND	
11/25/1997	01/20/1998	2,2-Dichloropropane	DA	ND	
11/25/1997	01/20/1998	2,4,5-TP Silvex	DA	ND	0.0500000
11/25/1997	01/20/1998	2,4-D	DA	ND	0.0700000
11/25/1997	01/20/1998	3-Hydroxycarbofuran	DA	ND	
11/25/1997	01/20/1998	Adipates (Di(2-Ethylhexyl))	DA	ND	0.4000000
11/25/1997	01/20/1998	Alachlor (Lasso)	DA	ND	0.0020000
11/25/1997	01/20/1998	Aldicarb	DA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfone	DA	ND	
11/25/1997	01/20/1998	Aldicarb Sulfoxide	DA	ND	
11/25/1997	01/20/1998	Aldrin	DA	ND	
11/25/1997	01/20/1998	Antimony Total	DA	ND	0.0060000
11/25/1997	01/20/1998	Arsenic	DA	ND	0.0500000
11/25/1997	01/20/1998	Atrazine	DA	ND	0.0030000
11/25/1997	01/20/1998	Barium	DA	ND	2.0000000
11/25/1997	01/20/1998	Benzene	DA	ND	0.0050000
11/25/1997	01/20/1998	Benzo (A) Pyrene	DA	ND	0.0002000
11/25/1997	01/20/1998	Beryllium Total	DA	ND	0.0040000

11/25/1997	01/20/1998	BHC-gamma (Lindane)	DA	ND	0.0002000
11/25/1997	01/20/1998	Bromobenzene	DA	ND	
11/25/1997	01/20/1998	Bromodichloromethane	DA	ND	
11/25/1997	01/20/1998	Bromoform	DA	ND	
11/25/1997	01/20/1998	Bromomethane	DA	ND	
11/25/1997	01/20/1998	Bulachlor	DA	ND	
11/25/1997	01/20/1998	Cadmium	DA	ND	0.0050000
11/25/1997	01/20/1998	Carbaryl	DA	ND	
11/25/1997	01/20/1998	Carbofuran	DA	ND	0.0400000
11/25/1997	01/20/1998	Carbon Tetrachloride	DA	ND	0.0050000
11/25/1997	01/20/1998	Chlordane	DA	ND	0.0020000
11/25/1997	01/20/1998	Chloroethane	DA	ND	
11/25/1997	01/20/1998	Chloroform	DA	ND	
11/25/1997	01/20/1998	Chloromethane	DA	ND	
11/25/1997	01/20/1998	Chromium	DA	ND	0.1000000
11/25/1997	01/20/1998	Cis-1,2-Dichloroethylene	DA	ND	0.0700000
11/25/1997	01/20/1998	Cyanide	DA	ND	0.2000000
11/25/1997	01/20/1998	Dalapon	DA	ND	0.2000000
11/25/1997	01/20/1998	Dibromochloromethane	DA	ND	
11/25/1997	01/20/1998	Dibromomethane	DA	ND	
11/25/1997	01/20/1998	Dicamba	DA	ND	
11/25/1997	01/20/1998	Dichloromethane (Methylene Chloride)	DA	ND	0.0050000
11/25/1997	01/20/1998	Dieldrin	DA	ND	
11/25/1997	01/20/1998	Dinoseb	DA	ND	0.0070000
11/25/1997	01/20/1998	Diquat	DA	ND	0.0200000
11/25/1997	01/20/1998	Endothall	DA	ND	0.1000000
11/25/1997	01/20/1998	Endrin	DA	ND	0.0020000
11/25/1997	01/20/1998	Ethylbenzene	DA	ND	0.7000000
11/25/1997	01/20/1998	Ethylene Dibromide (EDB)	DA	ND	0.0000500
11/25/1997	01/20/1998	Fluoride	DA	0.1500000	4.0000000
11/25/1997	01/20/1998	Glyphosate	DA	ND	0.7000000
11/25/1997	01/20/1998	Gross Alpha, Excl. Radon & U	DA	ND	15.0000000
11/25/1997	01/20/1998	Heptachlor	DA	ND	0.0004000
11/25/1997	01/20/1998	Heptachlor Epoxide	DA	ND	0.0002000
11/25/1997	01/20/1998	Hexachlorobenzene (HCB)	DA	ND	0.0010000
11/25/1997	01/20/1998	Hexachlorocyclopentadiene	DA	ND	0.0500000
11/25/1997	01/20/1998	M-Dichlorobenzene	DA	ND	
11/25/1997	01/20/1998	Mercury	DA	ND	0.0020000
11/25/1997	01/20/1998	Methomyl	DA	ND	
11/25/1997	01/20/1998	Methoxychlor	DA	ND	0.0400000
11/25/1997	01/20/1998	Metolachlor	DA	ND	
11/25/1997	01/20/1998	Metribuzin	DA	ND	
11/25/1997	01/20/1998	Monochlorobenzene (Chlorobenzene)	DA	ND	0.1000000
11/25/1997	01/20/1998	Nickel	DA	ND	0.1000000
11/25/1997	01/20/1998	Nitrate	DA	ND	10.0000000
11/25/1997	01/20/1998	Nitrite	DA	ND	1.0000000
11/25/1997	01/20/1998	O-Chlorotoluene	DA	ND	
11/25/1997	01/20/1998	O-Dichlorobenzene	DA	ND	0.8000000

11/25/1997	01/20/1998	P-Chlorotoluene	DA	ND	
11/25/1997	01/20/1998	P-Dichlorobenzene	DA	ND	0.0750000
11/25/1997	01/20/1998	Pentachlorophenol	DA	ND	0.0010000
11/25/1997	01/20/1998	Phthalates (Di(2-Ethylhexyl))	DA	ND	0.0060000
11/25/1997	01/20/1998	Picloram	DA	ND	0.5000000
11/25/1997	01/20/1998	Propachlor	DA	ND	
11/25/1997	01/20/1998	Selenium	DA	ND	0.0500000
11/25/1997	01/20/1998	Simazine	DA	ND	0.0040000
11/25/1997	01/20/1998	Sodium	DA	18.0000000	
11/25/1997	01/20/1998	Styrene	DA	ND	0.1000000
11/25/1997	01/20/1998	Sulfate	DA	ND	
11/25/1997	01/20/1998	Tetrachloroethylene	DA	ND	0.0050000
11/25/1997	01/20/1998	Thallium Total	DA	ND	0.0020000
11/25/1997	01/20/1998	Toluene	DA	ND	1.0000000
11/25/1997	01/20/1998	Total Polychlorinated Biphenyls (PCB)	DA	ND	0.0005000
11/25/1997	01/20/1998	Total Xylenes	DA	ND	10.0000000
11/25/1997	01/20/1998	Toxaphene	DA	ND	0.0030000
11/25/1997	01/20/1998	Trans-1,2-Dichloroethylene	DA	ND	0.1000000
11/25/1997	01/20/1998	Trichloroethylene	DA	ND	0.0050000
11/25/1997	01/20/1998	Vinyl Chloride	DA	ND	0.0020000
11/25/1997	01/20/1998	Vydate (Oxamyl)	DA	ND	0.2000000
11/05/1996	11/20/1996	Nitrate	BA	0.0900000	10.0000000
11/05/1996	11/20/1996	Nitrate	CA	0.0700000	10.0000000
11/05/1996	11/20/1996	Nitrate	DA	0.1200000	10.0000000
02/01/1996	01/24/1997	Gross Alpha, Excl. Radon & U	DA	ND	15.0000000
12/21/1995	01/11/1996	Nitrate	BA	0.1500000	10.0000000
12/21/1995	01/11/1996	Nitrate	CA	0.1300000	10.0000000
12/21/1995	01/10/1996	Nitrate	DA	0.1400000	10.0000000
12/14/1994	03/08/1995	Gross Alpha, Excl. Radon & U	BA	ND	15.0000000
12/14/1994	03/08/1995	Gross Alpha, Excl. Radon & U	CA	ND	15.0000000
11/03/1994	12/20/1994	1,1,1,2-Tetrachloroethane	BA	ND	
11/03/1994	12/20/1994	1,1,1-Trichloroethane	BA	ND	0.2000000
11/03/1994	12/20/1994	1,1,2,2,-Tetrachloroethane	BA	ND	
11/03/1994	12/20/1994	1,1,2-Trichloroethane	BA	ND	0.0050000
11/03/1994	12/20/1994	1,1-Dichloroethane	BA	ND	
11/03/1994	12/20/1994	1,1-Dichloroethylene	BA	ND	0.0070000
11/03/1994	12/20/1994	1,1-Dichloropropene	BA	ND	
11/03/1994	12/20/1994	1,2,3-Trichloropropane	BA	ND	
11/03/1994	12/20/1994	1,2,4-Trichlorobenzene	BA	ND	0.0700000
11/03/1994	12/20/1994	1,2-Dichloroethane	BA	ND	0.0050000
11/03/1994	12/20/1994	1,2-Dichloropropane	BA	ND	0.0050000
11/03/1994	12/20/1994	1,3-Dichloropropane	BA	ND	
11/03/1994	12/20/1994	1,3-Dichloropropene	BA	ND	
11/03/1994	12/20/1994	2,2-Dichloropropane	BA	ND	
11/03/1994	12/20/1994	Adipates (Di(2-Ethylhexyl))	BA	ND	0.4000000
11/03/1994	12/20/1994	Antimony Total	BA	ND	0.0060000
11/03/1994	12/20/1994	Arsenic	BA	0.0026000	0.0500000
11/03/1994	12/20/1994	Atrazine	BA	ND	0.0030000

11/03/1994	12/20/1994	Barium	BA	ND	2.0000000
11/03/1994	12/20/1994	Benzene	BA	ND	0.0050000
11/03/1994	12/20/1994	Benzo (A) Pyrene	BA	ND	0.0002000
11/03/1994	12/20/1994	Beryllium Total	BA	ND	0.0040000
11/03/1994	12/20/1994	Bromobenzene	BA	ND	
11/03/1994	12/20/1994	Bromodichloromethane	BA	ND	
11/03/1994	12/20/1994	Bromoform	BA	ND	
11/03/1994	12/20/1994	Bromomethane	BA	ND	
11/03/1994	12/20/1994	Bulachlor	BA	ND	
11/03/1994	12/20/1994	Cadmium	BA	ND	0.0050000
11/03/1994	12/20/1994	Carbon Tetrachloride	BA	ND	0.0050000
11/03/1994	12/20/1994	Chloroethane	BA	ND	
11/03/1994	12/20/1994	Chloroform	BA	ND	
11/03/1994	12/20/1994	Chloromethane	BA	ND	
11/03/1994	12/20/1994	Chromium	BA	ND	0.1000000
11/03/1994	12/20/1994	Cis-1,2-Dichloroethylene	BA	ND	0.0700000
11/03/1994	12/20/1994	Cyanide	BA	ND	0.2000000
11/03/1994	12/20/1994	Dibromochloromethane	BA	ND	
11/03/1994	12/20/1994	Dibromomethane	BA	ND	
11/03/1994	12/20/1994	Dichloromethane (Methylene Chloride)	BA	ND	0.0050000
11/03/1994	12/20/1994	Ethylbenzene	BA	ND	0.7000000
11/03/1994	12/20/1994	Fluoride	BA	0.1000000	4.0000000
11/03/1994	12/20/1994	Hexachlorocyclopentadiene	BA	ND	0.0500000
11/03/1994	12/20/1994	M-Dichlorobenzene	BA	ND	
11/03/1994	12/20/1994	Mercury	BA	ND	0.0020000
11/03/1994	12/20/1994	Metolachlor	BA	ND	
11/03/1994	12/20/1994	Metribuzin	BA	ND	
11/03/1994	12/20/1994	Monochlorobenzene (Chlorobenzene)	BA	ND	0.1000000
11/03/1994	12/20/1994	Nickel	BA	ND	0.1000000
11/03/1994	12/20/1994	Nitrate	BA	0.0600000	10.0000000
11/03/1994	12/20/1994	Nitrile	BA	ND	1.0000000
11/03/1994	12/20/1994	O-Chlorotoluene	BA	ND	
11/03/1994	12/20/1994	O-Dichlorobenzene	BA	ND	0.6000000
11/03/1994	12/20/1994	P-Chlorotoluene	BA	ND	
11/03/1994	12/20/1994	P-Dichlorobenzene	BA	ND	0.0750000
11/03/1994	12/20/1994	Phthalates (Di(2-Ethylhexyl))	BA	ND	0.0060000
11/03/1994	12/20/1994	Selenium	BA	ND	0.0500000
11/03/1994	12/20/1994	Simazine	BA	ND	0.0040000
11/03/1994	12/20/1994	Sodium	BA	10.3100000	
11/03/1994	12/20/1994	Styrene	BA	ND	0.1000000
11/03/1994	12/20/1994	Sulfate	BA	ND	
11/03/1994	12/20/1994	Tetrachloroethylene	BA	ND	0.0050000
11/03/1994	12/20/1994	Thallium Total	BA	0.0015000	0.0020000
11/03/1994	12/20/1994	Toluene	BA	ND	1.0000000
11/03/1994	12/20/1994	Total Xylenes	BA	ND	10.0000000
11/03/1994	12/20/1994	Trans-1,2-Dichloroethylene	BA	ND	0.1000000
11/03/1994	12/20/1994	Trichloroethylene	BA	ND	0.0050000
11/03/1994	12/20/1994	Vinyl Chloride	BA	ND	0.0020000

11/03/1994	12/20/1994	1,1,1,2-Tetrachloroethane	CA	ND	
11/03/1994	12/20/1994	1,1,1-Trichloroethane	CA	ND	0.2000000
11/03/1994	12/20/1994	1,1,2,2,-Tetrachloroethane	CA	ND	
11/03/1994	12/20/1994	1,1,2-Trichloroethane	CA	ND	0.0050000
11/03/1994	12/20/1994	1,1-Dichloroethane	CA	ND	
11/03/1994	12/20/1994	1,1-Dichloroethylene	CA	ND	0.0070000
11/03/1994	12/20/1994	1,1-Dichloropropene	CA	ND	
11/03/1994	12/20/1994	1,2,3-Trichloropropane	CA	ND	
11/03/1994	12/20/1994	1,2,4-Trichlorobenzene	CA	ND	0.0700000
11/03/1994	12/20/1994	1,2-Dichloroethane	CA	ND	0.0050000
11/03/1994	12/20/1994	1,2-Dichloropropane	CA	ND	0.0050000
11/03/1994	12/20/1994	1,3-Dichloropropane	CA	ND	
11/03/1994	12/20/1994	1,3-Dichloropropene	CA	ND	
11/03/1994	12/20/1994	2,2-Dichloropropane	CA	ND	
11/03/1994	12/20/1994	Adipates (Di(2-Ethylhexyl))	CA	ND	0.4000000
11/03/1994	12/20/1994	Antimony Total	CA	ND	0.0060000
11/03/1994	12/20/1994	Arsenic	CA	ND	0.0500000
11/03/1994	12/20/1994	Atrazine	CA	ND	0.0030000
11/03/1994	12/20/1994	Barium	CA	ND	2.0000000
11/03/1994	12/20/1994	Benzene	CA	ND	0.0050000
11/03/1994	12/20/1994	Benzo (A) Pyrene	CA	ND	0.0002000
11/03/1994	12/20/1994	Beryllium Total	CA	ND	0.0040000
11/03/1994	12/20/1994	Bromobenzene	CA	ND	
11/03/1994	12/20/1994	Bromodichloromethane	CA	ND	
11/03/1994	12/20/1994	Bromoform	CA	ND	
11/03/1994	12/20/1994	Bromomethane	CA	ND	
11/03/1994	12/20/1994	Butachlor	CA	ND	
11/03/1994	12/20/1994	Cadmium	CA	ND	0.0050000
11/03/1994	12/20/1994	Carbon Tetrachloride	CA	ND	0.0050000
11/03/1994	12/20/1994	Chloroethane	CA	ND	
11/03/1994	12/20/1994	Chloroform	CA	ND	
11/03/1994	12/20/1994	Chloromethane	CA	ND	
11/03/1994	12/20/1994	Chromium	CA	ND	0.1000000
11/03/1994	12/20/1994	Cis-1,2-Dichloroethylene	CA	ND	0.0700000
11/03/1994	12/20/1994	Cyanide	CA	ND	0.2000000
11/03/1994	12/20/1994	Dibromochloromethane	CA	ND	
11/03/1994	12/20/1994	Dibromomethane	CA	ND	
11/03/1994	12/20/1994	Dichloromethane (Methylene Chloride)	CA	ND	0.0050000
11/03/1994	12/20/1994	Ethylbenzene	CA	ND	0.7000000
11/03/1994	12/20/1994	Fluoride	CA	0.1000000	4.0000000
11/03/1994	12/20/1994	Hexachlorocyclopentadiene	CA	ND	0.0500000
11/03/1994	12/20/1994	M-Dichlorobenzene	CA	ND	
11/03/1994	12/20/1994	Mercury	CA	ND	0.0020000
11/03/1994	12/20/1994	Metolachlor	CA	ND	
11/03/1994	12/20/1994	Metribuzin	CA	ND	
11/03/1994	12/20/1994	Monochlorobenzene (Chlorobenzene)	CA	ND	0.1000000
11/03/1994	12/20/1994	Nickel	CA	ND	0.1000000
11/03/1994	12/20/1994	Nitrate	CA	0.0500000	10.0000000

11/03/1994	12/20/1994	Nitrite	CA	ND	1.0000000
11/03/1994	12/20/1994	O-Chlorololuene	CA	ND	
11/03/1994	12/20/1994	O-Dichlorobenzene	CA	ND	0.6000000
11/03/1994	12/20/1994	P-Chlorotoluene	CA	ND	
11/03/1994	12/20/1994	P-Dichlorobenzene	CA	ND	0.0750000
11/03/1994	12/20/1994	Phthalates (Di(2-Ethylhexyl))	CA	ND	0.0060000
11/03/1994	12/20/1994	Selenium	CA	ND	0.0500000
11/03/1994	12/20/1994	Simazine	CA	ND	0.0040000
11/03/1994	12/20/1994	Sodlum	CA	10.400000	
11/03/1994	12/20/1994	Styrene	CA	ND	0.1000000
11/03/1994	12/20/1994	Sulfale	CA	ND	
11/03/1994	12/20/1994	Tetrachloroethylene	CA	ND	0.0050000
11/03/1994	12/20/1994	Thallium Total	CA	ND	0.0020000
11/03/1994	12/20/1994	Toluene	CA	ND	1.0000000
11/03/1994	12/20/1994	Total Xylenes	CA	ND	10.000000
11/03/1994	12/20/1994	Trans-1,2-Dichloroethylene	CA	ND	0.1000000
11/03/1994	12/20/1994	Trichloroethylene	CA	ND	0.0050000
11/03/1994	12/20/1994	Vinyl Chloride	CA	ND	0.0020000
11/03/1994	12/20/1994	1,1,1,2-Tetrachloroethane	DA	ND	
11/03/1994	12/20/1994	1,1,1-Trichloroethane	DA	ND	0.2000000
11/03/1994	12/20/1994	1,1,2,2,-Tetrachloroethane	DA	ND	
11/03/1994	12/20/1994	1,1,2-Trichloroethane	DA	ND	0.0050000
11/03/1994	12/20/1994	1,1-Dichloroethane	DA	ND	
11/03/1994	12/20/1994	1,1-Dichloroethylene	DA	ND	0.0070000
11/03/1994	12/20/1994	1,1-Dichloropropene	DA	ND	
11/03/1994	12/20/1994	1,2,3-Trichloropropane	DA	ND	
11/03/1994	12/20/1994	1,2,4-Trichlorobenzene	DA	ND	0.0700000
11/03/1994	12/20/1994	1,2-Dichloroethane	DA	ND	0.0050000
11/03/1994	12/20/1994	1,2-Dichloropropane	DA	ND	0.0050000
11/03/1994	12/20/1994	1,3-Dichloropropane	DA	ND	
11/03/1994	12/20/1994	1,3-Dichloropropene	DA	ND	
11/03/1994	12/20/1994	2,2-Dichloropropane	DA	ND	
11/03/1994	12/20/1994	Adipates (Di(2-Ethylhexyl))	DA	ND	0.4000000
11/03/1994	12/20/1994	Antimony Total	DA	ND	0.0060000
11/03/1994	12/20/1994	Arsenic	DA	ND	0.0500000
11/03/1994	12/20/1994	Atrazine	DA	ND	0.0030000
11/03/1994	12/20/1994	Barium	DA	0.1070000	2.0000000
11/03/1994	12/20/1994	Benzene	DA	ND	0.0050000
11/03/1994	12/20/1994	Benzo (A) Pyrene	DA	ND	0.0002000
11/03/1994	12/20/1994	Beryllium Total	DA	ND	0.0040000
11/03/1994	12/20/1994	Bromobenzene	DA	ND	
11/03/1994	12/20/1994	Bromodichloromethane	DA	ND	
11/03/1994	12/20/1994	Bromoform	DA	ND	
11/03/1994	12/20/1994	Bromomethane	DA	ND	
11/03/1994	12/20/1994	Butachlor	DA	ND	
11/03/1994	12/20/1994	Cadmlum	DA	0.0003000	0.0050000
11/03/1994	12/20/1994	Carbon Tetrachloride	DA	ND	0.0050000
11/03/1994	12/20/1994	Chloroethane	DA	ND	

11/03/1994	12/20/1994	Chloroform	DA	ND	
11/03/1994	12/20/1994	Chloromethane	DA	ND	
11/03/1994	12/20/1994	Chromium	DA	0.0095000	0.1000000
11/03/1994	12/20/1994	Cis-1,2-Dichloroethylene	DA	ND	0.0700000
11/03/1994	12/20/1994	Cyanide	DA	ND	0.2000000
11/03/1994	12/20/1994	Dibromochloromethane	DA	ND	
11/03/1994	12/20/1994	Dibromomethane	DA	ND	
11/03/1994	12/20/1994	Dichloromethane (Methylene Chloride)	DA	ND	0.0050000
11/03/1994	12/20/1994	Ethylbenzene	DA	ND	0.7000000
11/03/1994	12/20/1994	Fluoride	DA	0.1400000	4.0000000
11/03/1994	12/20/1994	Hexachlorocyclopentadiene	DA	ND	0.0500000
11/03/1994	12/20/1994	M-Dichlorobenzene	DA	ND	
11/03/1994	12/20/1994	Mercury	DA	ND	0.0020000
11/03/1994	12/20/1994	Metolachlor	DA	ND	
11/03/1994	12/20/1994	Metribuzin	DA	ND	
11/03/1994	12/20/1994	Monochlorobenzene (Chlorobenzene)	DA	ND	0.1000000
11/03/1994	12/20/1994	Nickel	DA	ND	0.1000000
11/03/1994	12/20/1994	Nitrate	DA	ND	10.000000
11/03/1994	12/20/1994	Nitrite	DA	0.0500000	1.0000000
11/03/1994	12/20/1994	O-Chlorotoluene	DA	ND	
11/03/1994	12/20/1994	O-Dichlorobenzene	DA	ND	0.6000000
11/03/1994	12/20/1994	P-Chlorotoluene	DA	ND	
11/03/1994	12/20/1994	P-Dichlorobenzene	DA	ND	0.0750000
11/03/1994	12/20/1994	Phthalates (Di(2-Ethylhexyl))	DA	ND	0.0060000
11/03/1994	12/20/1994	Selenium	DA	ND	0.0500000
11/03/1994	12/20/1994	Simazine	DA	ND	0.0040000
11/03/1994	12/20/1994	Sodium	DA	13.190000	
11/03/1994	12/20/1994	Styrene	DA	ND	0.1000000
11/03/1994	12/20/1994	Sulfate	DA	11.000000	
11/03/1994	12/20/1994	Tetrachloroethylene	DA	ND	0.0050000
11/03/1994	12/20/1994	Thallium Total	DA	0.0010000	0.0020000
11/03/1994	12/20/1994	Toluene	DA	ND	1.0000000
11/03/1994	12/20/1994	Total Xylenes	DA	ND	10.000000
11/03/1994	12/20/1994	Trans-1,2-Dichloroethylene	DA	ND	0.1000000
11/03/1994	12/20/1994	Trichloroethylene	DA	ND	0.0050000
11/03/1994	12/20/1994	Vinyl Chloride	DA	ND	0.0020000
04/05/1993	10/26/1993	1,1,1,2-Tetrachloroethane	A	ND	
04/05/1993	10/26/1993	1,1,1-Trichloroethane	A	ND	0.2000000
04/05/1993	10/26/1993	1,1,2,2-Tetrachloroethane	A	ND	
04/05/1993	10/26/1993	1,1,2-Trichloroethane	A	ND	0.0050000
04/05/1993	10/26/1993	1,1-Dichloroethane	A	ND	
04/05/1993	10/26/1993	1,1-Dichloroethylene	A	ND	0.0070000
04/05/1993	10/26/1993	1,1-Dichloropropene	A	ND	
04/05/1993	10/26/1993	1,2,3-Trichloropropane	A	ND	
04/05/1993	10/26/1993	1,2,4-Trichlorobenzene	A	ND	0.0700000
04/05/1993	10/26/1993	1,2-Dibromo-3-Chloropropane (DBCP)	A	ND	0.0002000
04/05/1993	10/26/1993	1,2-Dichloroethane	A	ND	0.0050000
04/05/1993	10/26/1993	1,2-Dichloropropane	A	ND	0.0050000

04/05/1993	10/26/1993	1,3-Dichloropropane	A	ND	
04/05/1993	10/26/1993	1,3-Dichloropropene	A	ND	
04/05/1993	10/26/1993	2,2-Dichloropropane	A	ND	
04/05/1993	10/26/1993	2,4,5-TP Silvex	A	ND	0.0500000
04/05/1993	10/26/1993	2,4-D	A	ND	0.0700000
04/05/1993	10/26/1993	3-Hydroxycarbofuran	A	ND	
04/05/1993	10/26/1993	Adipates (Di(2-Ethylhexyl))	A	ND	0.4000000
04/05/1993	10/26/1993	Alachlor (Lasso)	A	ND	0.0020000
04/05/1993	10/26/1993	Aldicarb	A	ND	
04/05/1993	10/26/1993	Aldicarb Sulfone	A	ND	
04/05/1993	10/26/1993	Aldicarb Sulfoxide	A	ND	
04/05/1993	10/26/1993	Aldrin	A	ND	
04/05/1993	10/26/1993	Antimony Total	A	ND	0.0060000
04/05/1993	10/26/1993	Arsenic	A	ND	0.0500000
04/05/1993	10/26/1993	Asbestos	A	ND	7.0000000
04/05/1993	10/26/1993	Atrazine	A	ND	0.0030000
04/05/1993	10/26/1993	Barium	A	ND	2.0000000
04/05/1993	10/26/1993	Benzene	A	ND	0.0050000
04/05/1993	10/26/1993	Benzo (A) Pyrene	A	ND	0.0002000
04/05/1993	10/26/1993	Beryllium Total	A	ND	0.0040000
04/05/1993	10/26/1993	BHC-gamma (Lindane)	A	ND	0.0002000
04/05/1993	10/26/1993	Bromobenzene	A	ND	
04/05/1993	10/26/1993	Bromodichloromethane	A	ND	
04/05/1993	10/26/1993	Bromoform	A	ND	
04/05/1993	10/26/1993	Bromomethane	A	ND	
04/05/1993	10/26/1993	Butachlor	A	ND	
04/05/1993	10/26/1993	Cadmium	A	ND	0.0050000
04/05/1993	10/26/1993	Carbaryl	A	ND	
04/05/1993	10/26/1993	Carbofuran	A	ND	0.0400000
04/05/1993	10/26/1993	Carbon Tetrachloride	A	ND	0.0050000
04/05/1993	10/26/1993	Chlordane	A	ND	0.0020000
04/05/1993	10/26/1993	Chloroethane	A	ND	
04/05/1993	10/26/1993	Chloroform	A	ND	
04/05/1993	10/26/1993	Chloromethane	A	ND	
04/05/1993	10/26/1993	Chromium	A	0.0016000	0.1000000
04/05/1993	10/26/1993	Cis-1,2-Dichloroethylene	A	ND	0.0700000
04/05/1993	10/26/1993	Cyanide	A	ND	0.2000000
04/05/1993	10/26/1993	Dalapon	A	ND	0.2000000
04/05/1993	10/26/1993	Dibromochloromethane	A	ND	
04/05/1993	10/26/1993	Dibromomethane	A	ND	
04/05/1993	10/26/1993	Dicamba	A	ND	
04/05/1993	10/26/1993	Dichloromethane (Methylene Chloride)	A	ND	0.0050000
04/05/1993	10/26/1993	Dieldrin	A	ND	
04/05/1993	10/26/1993	Dinoseb	A	ND	0.0070000
04/05/1993	10/26/1993	Diquat	A	ND	0.0200000
04/05/1993	10/26/1993	Endothall	A	ND	0.1000000
04/05/1993	10/26/1993	Endrin	A	ND	0.0020000
04/05/1993	10/26/1993	Ethylbenzene	A	ND	0.7000000

04/05/1993	10/26/1993	Ethylene Dibromide (EDB)	A	ND	0.0000500
04/05/1993	10/26/1993	Fluoride	A	0.1100000	4.0000000
04/05/1993	10/26/1993	Glyphosate	A	ND	0.7000000
04/05/1993	10/26/1993	Heptachlor	A	ND	0.0004000
04/05/1993	10/26/1993	Heptachlor Epoxide	A	ND	0.0002000
04/05/1993	10/26/1993	Hexachlorobenzene (HCB)	A	ND	0.0010000
04/05/1993	10/26/1993	Hexachlorocyclopentadiene	A	ND	0.0500000
04/05/1993	10/26/1993	M-Dichlorobenzene	A	ND	
04/05/1993	10/26/1993	Mercury	A	ND	0.0020000
04/05/1993	10/26/1993	Methomyl	A	ND	
04/05/1993	10/26/1993	Methoxychlor	A	ND	0.0400000
04/05/1993	10/26/1993	Metolachlor	A	ND	
04/05/1993	10/26/1993	Metribuzin	A	ND	
04/05/1993	10/26/1993	Monochlorobenzene (Chlorobenzene)	A	ND	0.1000000
04/05/1993	10/26/1993	Nickel	A	ND	0.1000000
04/05/1993	10/26/1993	Nitrate	A	0.0600000	10.0000000
04/05/1993	10/26/1993	Nitrite	A	ND	1.0000000
04/05/1993	10/26/1993	O-Chlorotoluene	A	ND	
04/05/1993	10/26/1993	O-Dichlorobenzene	A	ND	0.6000000
04/05/1993	10/26/1993	P-Chlorotoluene	A	ND	
04/05/1993	10/26/1993	P-Dichlorobenzene	A	ND	0.0750000
04/05/1993	10/26/1993	Pentachlorophenol	A	ND	0.0010000
04/05/1993	10/26/1993	Phthalates (Di(2-Ethylhexyl))	A	ND	0.0060000
04/05/1993	10/26/1993	Picloram	A	ND	0.5000000
04/05/1993	10/26/1993	Propachlor	A	ND	
04/05/1993	10/26/1993	Selenium	A	ND	0.0500000
04/05/1993	10/26/1993	Simazine	A	ND	0.0040000
04/05/1993	10/26/1993	Styrene	A	ND	0.1000000
04/05/1993	10/26/1993	Tetrachloroethylene	A	ND	0.0050000
04/05/1993	10/26/1993	Thallium Total	A	ND	0.0020000
04/05/1993	10/26/1993	Toluene	A	ND	1.0000000
04/05/1993	10/26/1993	Total Polychlorinated Biphenyls (PCB)	A	ND	0.0005000
04/05/1993	10/26/1993	Total Xylenes	A	ND	10.0000000
04/05/1993	10/26/1993	Toxaphene	A	ND	0.0030000
04/05/1993	10/26/1993	Trans-1,2-Dichloroethylene	A	ND	0.1000000
04/05/1993	10/26/1993	Trichloroethylene	A	ND	0.0050000
04/05/1993	10/26/1993	Vinyl Chloride	A	ND	0.0020000
04/05/1993	10/26/1993	Vydate (Oxamyl)	A	ND	0.2000000
09/26/1991	10/19/1991	Arsenic	A	0.0020000	0.0500000
09/26/1991	10/19/1991	Barium	A	ND	2.0000000
09/26/1991	10/19/1991	Cadmium	A	ND	0.0050000
09/26/1991	10/19/1991	Chromium	A	ND	0.1000000
09/26/1991	10/19/1991	Fluoride	A	0.2500000	4.0000000
09/26/1991	10/19/1991	Lead	A	ND	0.0150000
09/26/1991	10/19/1991	Mercury	A	ND	0.0020000
09/26/1991	10/19/1991	Nitrate	A	ND	10.0000000
09/26/1991	10/19/1991	Selenium	A	ND	0.0500000
09/26/1991	10/19/1991	Silver	A	ND	0.1000000

09/26/1991	10/19/1991	Arsenic	B	0.0040000	0.0500000
09/26/1991	10/19/1991	Barium	B	ND	2.0000000
09/26/1991	10/19/1991	Cadmium	B	ND	0.0050000
09/26/1991	10/19/1991	Chromium	B	ND	0.1000000
09/26/1991	10/19/1991	Fluoride	B	0.1800000	4.0000000
09/26/1991	10/19/1991	Lead	B	ND	0.0150000
09/26/1991	10/19/1991	Mercury	B	ND	0.0020000
09/26/1991	10/19/1991	Nitrate	B	0.0600000	10.0000000
09/26/1991	10/19/1991	Selenium	B	ND	0.0500000
09/26/1991	10/19/1991	Silver	B	ND	0.1000000
09/26/1991	10/19/1991	Arsenic	C	0.0040000	0.0500000
09/26/1991	10/19/1991	Barium	C	ND	2.0000000
09/26/1991	10/19/1991	Cadmium	C	ND	0.0050000
09/26/1991	10/19/1991	Chromium	C	ND	0.1000000
09/26/1991	10/19/1991	Fluoride	C	0.1700000	4.0000000
09/26/1991	10/19/1991	Lead	C	ND	0.0150000
09/26/1991	10/19/1991	Mercury	C	ND	0.0020000
09/26/1991	10/19/1991	Nitrate	C	0.0600000	10.0000000
09/26/1991	10/19/1991	Selenium	C	ND	0.0500000
09/26/1991	10/19/1991	Silver	C	ND	0.1000000
03/13/1991	04/04/1991	1,1,1-Trichloroethane	A	ND	0.2000000
03/13/1991	04/04/1991	1,1-Dichloroethylene	A	ND	0.0070000
03/13/1991	04/04/1991	1,2-Dichloroethane	A	ND	0.0050000
03/13/1991	04/04/1991	Benzene	A	ND	0.0050000
03/13/1991	04/04/1991	Carbon Tetrachloride	A	ND	0.0050000
03/13/1991	04/04/1991	P-Dichlorobenzene	A	ND	0.0750000
03/13/1991	04/04/1991	Trichloroethylene	A	ND	0.0050000
03/13/1991	04/04/1991	Vinyl Chloride	A	ND	0.0020000
03/13/1991	04/04/1991	1,1,1-Trichloroethane	B	ND	0.2000000
03/13/1991	04/04/1991	1,1-Dichloroethylene	B	ND	0.0070000
03/13/1991	04/04/1991	1,2-Dichloroethane	B	ND	0.0050000
03/13/1991	04/04/1991	Benzene	B	ND	0.0050000
03/13/1991	04/04/1991	Carbon Tetrachloride	B	ND	0.0050000
03/13/1991	04/04/1991	P-Dichlorobenzene	B	ND	0.0750000
03/13/1991	04/04/1991	Trichloroethylene	B	ND	0.0050000
03/13/1991	04/04/1991	Vinyl Chloride	B	ND	0.0020000
03/13/1991	04/04/1991	1,1,1-Trichloroethane	C	ND	0.2000000
03/13/1991	04/04/1991	1,1-Dichloroethylene	C	ND	0.0070000
03/13/1991	04/04/1991	1,2-Dichloroethane	C	ND	0.0050000
03/13/1991	04/04/1991	Benzene	C	ND	0.0050000
03/13/1991	04/04/1991	Carbon Tetrachloride	C	ND	0.0050000
03/13/1991	04/04/1991	P-Dichlorobenzene	C	ND	0.0750000
03/13/1991	04/04/1991	Trichloroethylene	C	ND	0.0050000
03/13/1991	04/04/1991	Vinyl Chloride	C	ND	0.0020000
11/09/1990	03/12/1992	Gross Alpha, Excl. Radon & U	A	ND	15.0000000
09/24/1990	02/05/1991	1,1,1-Trichloroethane	A	ND	0.2000000
09/24/1990	02/05/1991	1,1-Dichloroethylene	A	ND	0.0070000
09/24/1990	02/05/1991	1,2-Dichloroethane	A	ND	0.0050000

	02/05/1991	Benzene	A	ND	0.0050000
09/24/1990	02/05/1991	Carbon Tetrachloride	A	ND	0.0050000
09/24/1990	02/05/1991	P-Dichlorobenzene	A	ND	0.0750000
09/24/1990	02/05/1991	Tetrachloroethylene	A	0.0007000	0.0050000
09/24/1990	02/05/1991	Trichloroethylene	A	ND	0.0050000
09/24/1990	02/05/1991	Vinyl Chloride	A	ND	0.0020000
09/24/1990	02/05/1991	1,1,1-Trichloroethane	B	ND	0.2000000
09/24/1990	02/05/1991	1,1-Dichloroethylene	B	ND	0.0070000
09/24/1990	02/05/1991	1,2-Dichloroethane	B	ND	0.0050000
09/24/1990	02/05/1991	Benzene	B	ND	0.0050000
09/24/1990	02/05/1991	Carbon Tetrachloride	B	ND	0.0050000
09/24/1990	02/05/1991	P-Dichlorobenzene	B	ND	0.0750000
09/24/1990	02/05/1991	Trichloroethylene	B	ND	0.0050000
09/24/1990	02/05/1991	Vinyl Chloride	B	ND	0.0020000
09/24/1990	02/05/1991	1,1,1-Trichloroethane	C	ND	0.2000000
09/24/1990	02/05/1991	1,1-Dichloroethylene	C	ND	0.0070000
09/24/1990	02/05/1991	1,2-Dichloroethane	C	ND	0.0050000
09/24/1990	02/05/1991	Benzene	C	ND	0.0050000
09/24/1990	02/05/1991	Carbon Tetrachloride	C	ND	0.0050000
09/24/1990	02/05/1991	P-Dichlorobenzene	C	ND	0.0750000
09/24/1990	02/05/1991	Trichloroethylene	C	ND	0.0050000
09/24/1990	02/05/1991	Vinyl Chloride	C	ND	0.0020000
10/26/1988	07/30/1990	Sodium	A	13.0000000	
10/26/1988	07/30/1990	Sodium	B	7.0000000	
10/26/1988	07/30/1990	Sodium	C	9.2000000	
09/16/1988	10/04/1988	Arsenic	A	ND	0.0500000
09/16/1988	10/04/1988	Barium	A	ND	2.0000000
09/16/1988	10/04/1988	Cadmium	A	ND	0.0050000
09/16/1988	10/04/1988	Chromium	A	ND	0.1000000
09/16/1988	10/04/1988	Fluoride	A	0.1600000	4.0000000
09/16/1988	10/04/1988	Lead	A	ND	0.0150000
09/16/1988	10/04/1988	Mercury	A	ND	0.0020000
09/16/1988	10/04/1988	Nitrate	A	ND	10.0000000
09/16/1988	10/04/1988	Selenium	A	ND	0.0500000
09/16/1988	10/04/1988	Silver	A	ND	0.1000000
09/16/1988	10/04/1988	Arsenic	B	ND	0.0500000
09/16/1988	10/04/1988	Barium	B	ND	2.0000000
09/16/1988	10/04/1988	Cadmium	B	ND	0.0050000
09/16/1988	10/04/1988	Chromium	B	ND	0.1000000
09/16/1988	10/04/1988	Fluoride	B	ND	4.0000000
09/16/1988	10/04/1988	Lead	B	ND	0.0150000
09/16/1988	10/04/1988	Mercury	B	ND	0.0020000
09/16/1988	10/04/1988	Nitrate	B	0.0800000	10.0000000
09/16/1988	10/04/1988	Selenium	B	ND	0.0500000
09/16/1988	10/04/1988	Silver	B	ND	0.1000000
09/16/1988	10/04/1988	Arsenic	C	ND	0.0500000
09/16/1988	10/04/1988	Barium	C	ND	2.0000000
09/16/1988	10/04/1988	Cadmium	C	ND	0.0050000

09/16/1988	10/04/1988	Chromium	C	ND	0.1000000
09/16/1988	10/04/1988	Fluoride	C	ND	4.0000000
09/16/1988	10/04/1988	Lead	C	ND	0.0150000
09/16/1988	10/04/1988	Mercury	C	ND	0.0020000
09/16/1988	10/04/1988	Nitrate	C	0.0700000	10.0000000
09/16/1988	10/04/1988	Selenium	C	ND	0.0500000
09/16/1988	10/04/1988	Silver	C	ND	0.1000000
07/17/1987	02/03/1988	Gross Alpha, Excl. Radon & U	A	1.6000000	15.0000000
07/17/1987	02/03/1988	Gross Beta Particle Activity	A	3.0000000	50.0000000
09/17/1985	09/17/1985	Arsenic	A	ND	0.0500000
09/17/1985	09/17/1985	Barium	A	ND	2.0000000
09/17/1985	09/17/1985	Cadmium	A	ND	0.0050000
09/17/1985	09/17/1985	Chromium	A	ND	0.1000000
09/17/1985	09/17/1985	Fluoride	A	0.1600000	4.0000000
09/17/1985	09/17/1985	Lead	A	ND	0.0150000
09/17/1985	09/17/1985	Mercury	A	ND	0.0020000
09/17/1985	09/17/1985	Nitrate	A	0.1600000	10.0000000
09/17/1985	09/17/1985	Selenium	A	ND	0.0500000
09/17/1985	09/17/1985	Silver	A	ND	0.1000000
10/18/1982	10/18/1982	Chloride	A	3.6000000	
10/18/1982	10/18/1982	Copper	A	ND	1.3000000
10/18/1982	10/18/1982	Hardness, Noncarbonate	A	40.0000000	
10/18/1982	10/18/1982	Hardness, Total (as CaCO3)	A	54.0000000	
10/18/1982	10/18/1982	Iron	A	0.0900000	
10/18/1982	10/18/1982	Manganese	A	ND	
10/18/1982	10/18/1982	Ph	A	7.9000000	
10/18/1982	10/18/1982	Residue, Total-Fixed	A	444.0000000	
10/18/1982	10/18/1982	Sodium	A	9.5000000	
10/18/1982	10/18/1982	Zinc	A	0.0600000	

A blank or a 0 in the MCL column indicates that a MCL has not been set for that chemical

This list represents the latest test results for all sources and entry points the system has. For systems with multiple sources the list will probably be a mix of results from all sources. But these are the latest results.

APPENDIX F
OREGON WATER RESOURCES DEPARTMENT DATA

Water Rights Information Query Results

	Contacts	Application	Permit	Certificate	Claim	Decree	Transfers	Status
Select	▷ APPLICANT: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G4064	G3810				▷ T8260 (Confirming)	NC
Select	▷ APPLICANT: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G5883	G5609				▷ T8260 (Confirming)	NC
Select	▷ APPLICANT: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G16339						NC
Select	▷ OWNER: SUNRIVER LP TERRY PENHOLLOW PO BOX 3699 SUNRIVER, OR 97707	G14529	G13326				▷ T8841	NC
Select	▷ APPLICANT: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G16874						NC
Select	▷ OWNER: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G11627	G13249				▷ T10106	NC
Select	▷ OWNER: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G9478	G9007	85484			▷ T9729	NC
Select	▷ OWNER: SUNRIVER WATER LLC PO BOX 3699 SUNRIVER, OR 97707	G5884	G5610	85485			▷ T9729	NC

[Help understanding and working with the Water Rights Information System](#)

Download: [Point of diversion data](#), [Place of use data](#), [Stakeholder data](#)

[Return to WRIS Query](#)

STATE OF OREGON

COUNTY OF DESCHUTES

ORDER APPROVING CHANGES IN USE, PLACE OF USE,
AND POINT OF APPROPRIATION

Pursuant to ORS 537.705, after notice was given and no objections were filed, and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, TRANSFER 8260 submitted by

SUNRIVER WATER, LLC
P.O. BOX 3699
SUNRIVER, OREGON 97707.

The first right to be modified, as evidenced by Certificate 57065, was perfected under Permit G-5609 with a date of priority of AUGUST 28, 1972. The right allows the use of WELL 4, in the DESCHUTES RIVER BASIN, for GROUP DOMESTIC. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 1.10 cubic feet per second, if available at the original well; SW $\frac{1}{4}$ SE $\frac{1}{4}$, SECTION 6, T 20 S, R 11 E, W.M.; 340 FEET NORTH AND 1410 FEET WEST FROM SE CORNER, SECTION 6, or its equivalent in case of rotation, measured at the well.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

NOTICE: Under the provisions of OAR 137-004-0080, the applicant may petition for reconsideration of this order. The petition shall set forth specific grounds for reconsideration. The petition for must be filed within 60 days after the date this order is served.

The authorized place of use is as follows:

S $\frac{1}{2}$ SW $\frac{1}{4}$
SECTION 29

SE $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 30

NE $\frac{1}{4}$ NE $\frac{1}{4}$
SECTION 31

N $\frac{1}{2}$
E $\frac{1}{2}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$
SECTION 32

NW $\frac{1}{4}$
N $\frac{1}{2}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 33
TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

N $\frac{1}{2}$
SW $\frac{1}{4}$
NW $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 5

E $\frac{1}{2}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$
SECTION 6
TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

The SECOND right to be modified, as evidenced by Certificate 57053, was perfected under Permit G-3810 with a date of priority of SEPTEMBER 5, 1967. The right allows the use of WELL 2, in the DESCHUTES RIVER BASIN, for GROUP DOMESTIC AND COMMERCIAL USES. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 2.30 cubic feet per second, BEING 1.15 CFS FOR GROUP DOMESTIC AND 1.15 CFS FOR COMMERCIAL USE if available at the original well; SW $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 32, T 19 S, R 11 E, W.M.; 1070 FEET NORTH AND 1300 FEET EAST FROM SW CORNER, SECTION 32, or its equivalent in case of rotation, measured at the well.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

SE $\frac{1}{4}$ NE $\frac{1}{4}$ DOMESTIC USE
S $\frac{1}{2}$ NW $\frac{1}{4}$ COMMERCIAL USE
NE $\frac{1}{4}$ SW $\frac{1}{4}$ DOMESTIC USE
N $\frac{1}{2}$ SE $\frac{1}{4}$ DOMESTIC USE
SW $\frac{1}{4}$ SE $\frac{1}{4}$ DOMESTIC USE
SECTION 32
TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

SW $\frac{1}{4}$ NE $\frac{1}{4}$ DOMESTIC AND COMMERCIAL USE
NE $\frac{1}{4}$ NW $\frac{1}{4}$ DOMESTIC USE
NW $\frac{1}{4}$ NW $\frac{1}{4}$ COMMERCIAL USE
S $\frac{1}{2}$ NW $\frac{1}{4}$ COMMERCIAL USE
SW $\frac{1}{4}$ DOMESTIC USE
SE $\frac{1}{4}$ SW $\frac{1}{4}$ COMMERCIAL USE
NW $\frac{1}{4}$ SE $\frac{1}{4}$ DOMESTIC USE
SW $\frac{1}{4}$ SE $\frac{1}{4}$ COMMERCIAL USE
SECTION 5
TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

These uses may be regulated if analysis of data available discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of this right or as those quantities may be reduced.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the USE to QUASI MUNICIPAL USE.

The applicant proposes to change the point of appropriation to:

SW $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 32, T 19 S, R 11 E, W.M.; 1070 FEET NORTH AND 1300 FEET EAST FROM SW CORNER, SECTION 32

The applicant proposes to change the place of use to:

S $\frac{1}{2}$ SW $\frac{1}{4}$
SECTION 29

SE $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 30

NE $\frac{1}{4}$ NE $\frac{1}{4}$
SECTION 31

N $\frac{1}{2}$
N $\frac{1}{4}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$
SECTION 32

NW $\frac{1}{4}$
N $\frac{1}{2}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 33

TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

N $\frac{1}{2}$
SW $\frac{1}{4}$
W $\frac{1}{2}$ SE $\frac{1}{4}$
SECTION 5

E $\frac{1}{2}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$
SECTION 6

TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

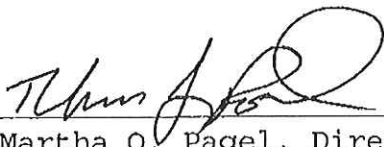
THESE CHANGES TO EXISTING WATER RIGHTS MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The proposed change shall be completed on or before October 1, 2001.
2. The quantity of water diverted at the new point of appropriation (well) shall not exceed the quantity of water lawfully available from the original point of appropriation.
3. The amount of water to which the right perfected under Permit G-5609 is entitled, for quasi-municipal use, is limited to an amount beneficially used and shall not exceed 1.10 cubic feet per second.
4. The amount of water to which the right perfected under Permit G-3810 is entitled, for quasi-municipal use, is limited to an amount beneficially used and shall not exceed 2.30 cubic feet per second.
5. When required by the Department the water user shall install an in-line flow meter or other suitable device for measuring and recording the quantity of water used. The type and plans of the measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
6. Water shall be acquired from the same aquifer as the original point of appropriation.

Certificates 57053 AND 57065 ARE canceled. When satisfactory proof of the completed changes is received, new certificates confirming these water rights will be issued.

WITNESS the signature of the Water Resources Director,

affixed OCT 01 1999.



For Martha O. Pagel, Director

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Permit Amendment) **FINAL ORDER**
T-10106, Deschutes County) APPROVING A CHANGE IN
) PLACE OF USE

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

SUNRIVER WATER, LLC
PO BOX 3699
SUNRIVER, OR 97707

Findings of Fact

1. On March 3, 2006, Sunriver Water, LLC filed an application to amend the place of use under Permit G-13249. The Department assigned the application number T-10106.
2. The Department issued Permit G-13249 on November 3, 1997, and specified that construction and the application of water to beneficial use were to be completed by October 1, 1998.
3. Permit G-13249 was assigned to Sunriver Water, LLC on November 25, 1998.
4. On April 28, 2005, the Department issued a final order extending the time in which complete construction and to complete the application of water to beneficial use under Permit G-13249. The deadline for completing construction is October 1, 2033, and the deadline for applying water to full beneficial use is October 1, 2034.
5. The Department issued a final order (Special Order Vol. 65, Pages 333 to 339) on July 12, 2005, amending Permit G-13249 to change the location of one of the permitted wells (Well 12) and to add another well (Well 12A) to the quantity of water allocated to Well 12.
6. The Department discovered an apparent scrivener's error in the description of the authorized place of use contained in the final order approving a permit amendment for Permit G-13249 (Special Order Volume 65, Pages 333 to 339) referenced in Finding #5 above. The use of water for Quasi-Municipal purposes in the NW ¼ NW ¼ of Section 29, Township 19 South,

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Range 11 East, W.M. was erroneously omitted from the final order. The final order should have included the NW ¼ NW ¼ of Section 29, Township 19 South, Range 11 East, W.M. as part of the authorized place of use for Quasi-Municipal purposes under Permit G-13249.

7. On March 29, 2007, the Department mailed a copy of a Draft Final Order to the applicant and their authorized agent (Tom Walker) proposing to approve the change in place of use requested in Permit Amendment T-10106.
8. The Department received comments on April 9, 2007, from Tom Walker on behalf of the applicant indicating that the NE ¼ SW ¼ and NW ¼ SE ¼ of Section 8, Township 20 South, Range 11 East, WM, should have been included in the description of the proposed place of use contained in the Draft Final Order. Upon discussion of the topic between Tom Walker and the Department, it was determined that an amendment to the application was necessary to resolve the issue involving the proposed place of use.
9. On April 9, 2007, the Department received an amendment to Permit Amendment T-10106 from Tom Walker on behalf of the applicant indicating that the proposed place of use listed in the application should match the proposed place of use depicted on the application map.
10. The permit to be amended is as follows:

Permit: G-13249, in the name of SUNRIVER UTILITIES COMPANY (as previously modified by T-9730, Special Order Volume 65, Pages 333 to 339)

Use: QUASI-MUNICIPAL WATER USE including IRRIGATION of 749.9 ACRES

Priority Date: NOVEMBER 12, 1987 for 3200 GALLONS PER MINUTE (GPM) and DECEMBER 8, 1992 for 500 GPM

Quantity: NOT TO EXCEED 3700 GPM; being 1700 GPM from WELL 9 and 2000 GPM from WELLS 12 and 12A, further described as being 2450 GPM for GROUP DOMESTIC and 1250 GPM for IRRIGATION

Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year. This right is limited to any deficiency in the available supply of any prior right existing for the same land.

Source: WELL 9, WELL 12 and WELL 12A, in the DESCHUTES RIVER BASIN.

Date of Complete Application of Water: October 1, 2034

Authorized Points of Appropriation:

Township	Range	Meridian	Sec	¼ ¼	Location
19	S	11 E	29	W.M. NE NE	Well 9 – 1200 feet South and 70 feet West from the NE corner of Section 29
20	S	11 E	8	W.M. NW NW	Well 12 – 215 feet South and 830 feet East from the NW corner of Section 8
20	S	11 E	5	W.M. NE NE	Well 12A – 875 feet South and 340 feet West from the NE corner of Section 5

Authorized Place of Use:

QUASI-MUNICIPAL							
Township	Range		Meridian	Sec	¼ ¼		
19	S	11	E	W.M.	20	NE	SW
19	S	11	E	W.M.	20	NW	SW
19	S	11	E	W.M.	20	SW	SW
19	S	11	E	W.M.	20	SE	SW
19	S	11	E	W.M.	20	NE	SE
19	S	11	E	W.M.	20	NW	SE
19	S	11	E	W.M.	20	SW	SE
19	S	11	E	W.M.	20	SE	SE
19	S	11	E	W.M.	28	SW	NE
19	S	11	E	W.M.	28	SW	NW
19	S	11	E	W.M.	28	SE	NW
19	S	11	E	W.M.	28	NE	SW
19	S	11	E	W.M.	28	NW	SW
19	S	11	E	W.M.	28	SW	SW
19	S	11	E	W.M.	28	SE	SW
19	S	11	E	W.M.	28	NW	SE
19	S	11	E	W.M.	28	SW	SE
19	S	11	E	W.M.	29	NE	NE
19	S	11	E	W.M.	29	NW	NE
19	S	11	E	W.M.	29	SW	NE
19	S	11	E	W.M.	29	SE	NE
19	S	11	E	W.M.	29	NE	NW
19	S	11	E	W.M.	29	NW	NW
19	S	11	E	W.M.	29	SW	NW
19	S	11	E	W.M.	29	SE	NW
19	S	11	E	W.M.	29	NE	SW
19	S	11	E	W.M.	29	NW	SW
19	S	11	E	W.M.	29	SW	SW
19	S	11	E	W.M.	29	SE	SW
19	S	11	E	W.M.	29	NE	SE
19	S	11	E	W.M.	29	NW	SE
19	S	11	E	W.M.	29	SW	SE
19	S	11	E	W.M.	29	SE	SE
19	S	11	E	W.M.	30	NE	SE
19	S	11	E	W.M.	30	SE	SE
19	S	11	E	W.M.	31	SW	NE

QUASI-MUNICIPAL							
Township		Range		Meridian	Sec	¼ ¼	
19	S	11	E	W.M.	31	SE	NW
19	S	11	E	W.M.	31	NE	SW
19	S	11	E	W.M.	31	SE	SW
19	S	11	E	W.M.	31	NE	SE
19	S	11	E	W.M.	31	NW	SE
19	S	11	E	W.M.	31	SW	SE
19	S	11	E	W.M.	31	SE	SE
19	S	11	E	W.M.	32	NE	NE
19	S	11	E	W.M.	32	NW	NE
19	S	11	E	W.M.	32	SW	NE
19	S	11	E	W.M.	32	SE	NE
19	S	11	E	W.M.	32	NE	NW
19	S	11	E	W.M.	32	NW	NW
19	S	11	E	W.M.	32	SW	NW
19	S	11	E	W.M.	32	SE	NW
19	S	11	E	W.M.	32	NE	SW
19	S	11	E	W.M.	32	NW	SW
19	S	11	E	W.M.	32	SW	SW
19	S	11	E	W.M.	32	SE	SW
19	S	11	E	W.M.	32	NE	SE
19	S	11	E	W.M.	32	NW	SE
19	S	11	E	W.M.	32	SW	SE
19	S	11	E	W.M.	32	SE	SE
19	S	11	E	W.M.	33	NE	NW
19	S	11	E	W.M.	33	NW	NW
19	S	11	E	W.M.	33	SW	NW
19	S	11	E	W.M.	33	SE	NW
19	S	11	E	W.M.	33	NW	SW
20	S	11	E	W.M.	5	NE	NE
20	S	11	E	W.M.	5	NW	NE
20	S	11	E	W.M.	5	SW	NE
20	S	11	E	W.M.	5	SE	NE
20	S	11	E	W.M.	5	NE	NW
20	S	11	E	W.M.	5	NW	NW
20	S	11	E	W.M.	5	SW	NW
20	S	11	E	W.M.	5	SE	NW
20	S	11	E	W.M.	5	NE	SW

QUASI-MUNICIPAL						
Township	Range		Meridian	Sec	¼ ¼	
20	S	11	E	W.M.	5	NW SW
20	S	11	E	W.M.	5	SW SW
20	S	11	E	W.M.	5	SE SW
20	S	11	E	W.M.	5	NW SE
20	S	11	E	W.M.	5	SW SE
20	S	11	E	W.M.	6	NE NE
20	S	11	E	W.M.	6	NW NE
20	S	11	E	W.M.	6	SW NE
20	S	11	E	W.M.	6	SE NE
20	S	11	E	W.M.	6	NE NW
20	S	11	E	W.M.	6	SE NW
20	S	11	E	W.M.	6	NE SW
20	S	11	E	W.M.	6	SE SW
20	S	11	E	W.M.	6	NE SE
20	S	11	E	W.M.	6	NW SE
20	S	11	E	W.M.	6	SW SE
20	S	11	E	W.M.	6	SE SE
20	S	11	E	W.M.	7	NE NE
20	S	11	E	W.M.	7	NW NE
20	S	11	E	W.M.	7	SW NE
20	S	11	E	W.M.	7	SE NE
20	S	11	E	W.M.	7	NE SE
20	S	11	E	W.M.	7	NW SE
20	S	11	E	W.M.	7	SW SE
20	S	11	E	W.M.	7	SE SE
20	S	11	E	W.M.	8	NW NW
20	S	11	E	W.M.	8	SW NW
20	S	11	E	W.M.	8	NW SW
20	S	11	E	W.M.	8	SW SW
20	S	11	E	W.M.	17	NW NW
20	S	11	E	W.M.	17	SW NW
20	S	11	E	W.M.	18	NE NE
20	S	11	E	W.M.	18	SE NE
20	S	11	E	W.M.	18	NE SE
20	S	11	E	W.M.	18	SE SE

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres
19	S	11	E	W.M.	28	NW	SW	3.1
19	S	11	E	W.M.	31	SW	NE	13.3
19	S	11	E	W.M.	31	SE	NW	5.7
19	S	11	E	W.M.	31	NE	SW	6.3
19	S	11	E	W.M.	31	NW	SE	7.7
19	S	11	E	W.M.	32	NE	NE	4.0
19	S	11	E	W.M.	32	NE	SW	0.5
19	S	11	E	W.M.	32	SW	SW	3.2
19	S	11	E	W.M.	32	SE	SW	5.0
19	S	11	E	W.M.	32	NW	SE	3.7
19	S	11	E	W.M.	32	SW	SE	1.6
20	S	11	E	W.M.	5	NE	NW	6.1
20	S	11	E	W.M.	5	NW	NW	7.3
20	S	11	E	W.M.	5	SE	NW	0.9
20	S	11	E	W.M.	5	NW	SW	5.3
20	S	11	E	W.M.	5	SW	SW	0.3
20	S	11	E	W.M.	6	NE	NE	4.7
20	S	11	E	W.M.	6	NW	NE	3.3
20	S	11	E	W.M.	6	SW	NE	6.9
20	S	11	E	W.M.	6	SE	NE	7.5
20	S	11	E	W.M.	6	NE	NW	0.9
20	S	11	E	W.M.	6	SE	NW	7.7
20	S	11	E	W.M.	6	NE	SW	9.8
20	S	11	E	W.M.	6	NE	SE	12.0
20	S	11	E	W.M.	6	NW	SE	8.8
20	S	11	E	W.M.	6	SW	SE	4.2
20	S	11	E	W.M.	6	SE	SE	0.1
20	S	11	E	W.M.	7	NE	NE	40.0
20	S	11	E	W.M.	7	NW	NE	37.0
20	S	11	E	W.M.	7	SW	NE	39.0
20	S	11	E	W.M.	7	SE	NE	40.0
20	S	11	E	W.M.	7	NE	SE	37.0
20	S	11	E	W.M.	7	NW	SE	36.0
20	S	11	E	W.M.	7	SW	SE	40.0
20	S	11	E	W.M.	7	SE	SE	40.0
20	S	11	E	W.M.	8	NW	NW	37.0
20	S	11	E	W.M.	8	SW	NW	38.0

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres
20	S	11	E	W.M.	8	NW	SW	37.0
20	S	11	E	W.M.	8	SW	SW	37.0
20	S	11	E	W.M.	17	NW	NW	36.0
20	S	11	E	W.M.	17	SW	NW	36.0
20	S	11	E	W.M.	18	NE	NE	40.0
20	S	11	E	W.M.	18	SE	NE	40.0

11. Application T-10106 proposes to change the place of use of the permit to:

QUASI-MUNICIPAL								
Township		Range		Meridian	Sec	¼ ¼		
19	S	11	E	W.M.	20	NE	SW	
19	S	11	E	W.M.	20	NW	SW	
19	S	11	E	W.M.	20	SW	SW	
19	S	11	E	W.M.	20	SE	SW	
19	S	11	E	W.M.	20	NE	SE	
19	S	11	E	W.M.	20	NW	SE	
19	S	11	E	W.M.	20	SW	SE	
19	S	11	E	W.M.	20	SE	SE	
19	S	11	E	W.M.	28	SW	NE	
19	S	11	E	W.M.	28	SW	NW	
19	S	11	E	W.M.	28	SE	NW	
19	S	11	E	W.M.	28	NE	SW	
19	S	11	E	W.M.	28	NW	SW	
19	S	11	E	W.M.	28	SW	SW	
19	S	11	E	W.M.	28	SE	SW	
19	S	11	E	W.M.	28	NW	SE	
19	S	11	E	W.M.	28	SW	SE	
19	S	11	E	W.M.	29	NE	NE	
19	S	11	E	W.M.	29	NW	NE	
19	S	11	E	W.M.	29	SW	NE	
19	S	11	E	W.M.	29	SE	NE	
19	S	11	E	W.M.	29	NE	NW	
19	S	11	E	W.M.	29	NW	NW	
19	S	11	E	W.M.	29	SW	NW	
19	S	11	E	W.M.	29	SE	NW	
19	S	11	E	W.M.	29	NE	SW	
19	S	11	E	W.M.	29	NW	SW	

QUASI-MUNICIPAL							
Township		Range		Meridian	Sec	¼ ¼	
19	S	11	E	W.M.	29	SW	SW
19	S	11	E	W.M.	29	SE	SW
19	S	11	E	W.M.	29	NE	SE
19	S	11	E	W.M.	29	NW	SE
19	S	11	E	W.M.	29	SW	SE
19	S	11	E	W.M.	29	SE	SE
19	S	11	E	W.M.	30	NE	SE
19	S	11	E	W.M.	30	SE	SE
19	S	11	E	W.M.	31	SW	NE
19	S	11	E	W.M.	31	SE	NW
19	S	11	E	W.M.	31	NE	SW
19	S	11	E	W.M.	31	SE	SW
19	S	11	E	W.M.	31	NE	SE
19	S	11	E	W.M.	31	NW	SE
19	S	11	E	W.M.	31	SW	SE
19	S	11	E	W.M.	31	SE	SE
19	S	11	E	W.M.	32	NE	NE
19	S	11	E	W.M.	32	NW	NE
19	S	11	E	W.M.	32	SW	NE
19	S	11	E	W.M.	32	SE	NE
19	S	11	E	W.M.	32	NE	NW
19	S	11	E	W.M.	32	NW	NW
19	S	11	E	W.M.	32	SW	NW
19	S	11	E	W.M.	32	SE	NW
19	S	11	E	W.M.	32	NE	SW
19	S	11	E	W.M.	32	NW	SW
19	S	11	E	W.M.	32	SW	SW
19	S	11	E	W.M.	32	SE	SW
19	S	11	E	W.M.	32	NE	SE
19	S	11	E	W.M.	32	NW	SE
19	S	11	E	W.M.	32	SW	SE
19	S	11	E	W.M.	32	SE	SE
19	S	11	E	W.M.	33	NE	NW
19	S	11	E	W.M.	33	NW	NW
19	S	11	E	W.M.	33	SW	NW
19	S	11	E	W.M.	33	SE	NW
19	S	11	E	W.M.	33	NW	SW

QUASI-MUNICIPAL							
Township		Range		Meridian	Sec	¼ ¼	
20	S	11	E	W.M.	5	NE	NE
20	S	11	E	W.M.	5	NW	NE
20	S	11	E	W.M.	5	SW	NE
20	S	11	E	W.M.	5	SE	NE
20	S	11	E	W.M.	5	NE	NW
20	S	11	E	W.M.	5	NW	NW
20	S	11	E	W.M.	5	SW	NW
20	S	11	E	W.M.	5	SE	NW
20	S	11	E	W.M.	5	NE	SW
20	S	11	E	W.M.	5	NW	SW
20	S	11	E	W.M.	5	SW	SW
20	S	11	E	W.M.	5	SE	SW
20	S	11	E	W.M.	5	NW	SE
20	S	11	E	W.M.	5	SW	SE
20	S	11	E	W.M.	6	NE	NE
20	S	11	E	W.M.	6	NW	NE
20	S	11	E	W.M.	6	SW	NE
20	S	11	E	W.M.	6	SE	NE
20	S	11	E	W.M.	6	NE	NW
20	S	11	E	W.M.	6	SE	NW
20	S	11	E	W.M.	6	NE	SW
20	S	11	E	W.M.	6	SE	SW
20	S	11	E	W.M.	6	NE	SE
20	S	11	E	W.M.	6	NW	SE
20	S	11	E	W.M.	6	SW	SE
20	S	11	E	W.M.	6	SE	SE
20	S	11	E	W.M.	7	NE	NE
20	S	11	E	W.M.	7	NW	NE
20	S	11	E	W.M.	7	SW	NE
20	S	11	E	W.M.	7	SE	NE
20	S	11	E	W.M.	7	NE	SE
20	S	11	E	W.M.	7	NW	SE
20	S	11	E	W.M.	7	SW	SE
20	S	11	E	W.M.	7	SE	SE
20	S	11	E	W.M.	8	NW	NE *
20	S	11	E	W.M.	8	SW	NE *
20	S	11	E	W.M.	8	NE	NW *

QUASI-MUNICIPAL							
Township		Range		Meridian	Sec	¼ ¼	
20	S	11	E	W.M.	8	NW	NW
20	S	11	E	W.M.	8	SW	NW
20	S	11	E	W.M.	8	SE	NW *
20	S	11	E	W.M.	8	NE	SW *
20	S	11	E	W.M.	8	NW	SW
20	S	11	E	W.M.	8	SW	SW
20	S	11	E	W.M.	8	SE	SW *
20	S	11	E	W.M.	8	NW	SE *
20	S	11	E	W.M.	8	SW	SE *
20	S	11	E	W.M.	17	NW	NE *
20	S	11	E	W.M.	17	NE	NW *
20	S	11	E	W.M.	17	NW	NW
20	S	11	E	W.M.	17	SW	NW
20	S	11	E	W.M.	17	SE	NW *
20	S	11	E	W.M.	18	NE	NE
20	S	11	E	W.M.	18	SE	NE
20	S	11	E	W.M.	18	NE	SE
20	S	11	E	W.M.	18	SE	SE

* = place of use change involved in this permit amendment.

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres
19	S	11	E	W.M.	28	NW	SW	3.1
19	S	11	E	W.M.	31	SW	NE	13.3
19	S	11	E	W.M.	31	SE	NW	5.7
19	S	11	E	W.M.	31	NE	SW	6.3
19	S	11	E	W.M.	31	NW	SE	7.7
19	S	11	E	W.M.	32	NE	NE	4.0
19	S	11	E	W.M.	32	NE	SW	0.5
19	S	11	E	W.M.	32	SW	SW	3.2
19	S	11	E	W.M.	32	SE	SW	5.0
19	S	11	E	W.M.	32	NW	SE	3.7
19	S	11	E	W.M.	32	SW	SE	1.6
20	S	11	E	W.M.	5	NE	NW	6.1
20	S	11	E	W.M.	5	NW	NW	7.3
20	S	11	E	W.M.	5	SE	NW	0.9

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres
20	S	11	E	W.M.	5	NW	SW	5.3
20	S	11	E	W.M.	5	SW	SW	0.3
20	S	11	E	W.M.	6	NE	NE	4.7
20	S	11	E	W.M.	6	NW	NE	3.3
20	S	11	E	W.M.	6	SW	NE	6.9
20	S	11	E	W.M.	6	SE	NE	7.5
20	S	11	E	W.M.	6	NE	NW	0.9
20	S	11	E	W.M.	6	SE	NW	7.7
20	S	11	E	W.M.	6	NE	SW	9.8
20	S	11	E	W.M.	6	NE	SE	12.0
20	S	11	E	W.M.	6	NW	SE	8.8
20	S	11	E	W.M.	6	SW	SE	4.2
20	S	11	E	W.M.	6	SE	SE	0.1
20	S	11	E	W.M.	7	NE	NE	40.0
20	S	11	E	W.M.	7	NW	NE	37.0
20	S	11	E	W.M.	7	SW	NE	39.0
20	S	11	E	W.M.	7	SE	NE	40.0
20	S	11	E	W.M.	7	NE	SE	37.0
20	S	11	E	W.M.	7	NW	SE	36.0
20	S	11	E	W.M.	7	SW	SE	40.0
20	S	11	E	W.M.	7	SE	SE	40.0
20	S	11	E	W.M.	8	NW	NW	37.0
20	S	11	E	W.M.	8	SW	NW	38.0
20	S	11	E	W.M.	8	NW	SW	37.0
20	S	11	E	W.M.	8	SW	SW	37.0
20	S	11	E	W.M.	17	NW	NW	36.0
20	S	11	E	W.M.	17	SW	NW	36.0
20	S	11	E	W.M.	18	NE	NE	40.0
20	S	11	E	W.M.	18	SE	NE	40.0

12. Notice of the application for the permit amendment was published in the Department's weekly notice on March 21, 2006, pursuant to ORS 540.520(5). No comments were filed in response to the notice.
13. The change does not result in injury to other water rights.
14. The proposed place of use is controlled by the permit holder.
15. The change does not enlarge the permit.

16. The change does not alter any other terms of the permit.
17. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use proposed by Permit Amendment Application T-10106 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:


The change and subsequent use of water shall be subject to the following conditions:

1. Prior to water use from the proposed point of appropriation, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, and shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

2. All other terms and conditions of Permit G-13249 remain the same.
3. Permit G-13249, in the name of Sunriver Utilities Company, is amended as described herein.

Dated at Salem, Oregon this 13th day of April, 2007.



Phillip C. Ward, Director

Mailing date: April 18, 2007

STATE OF OREGON

COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

SUNRIVER UTILITIES COMPANY
P.O. BOX 3699
SUNRIVER, OREGON 97707

503-593-1221 EXT. 458

to use the waters of WELL 9 AND WELL 12 in the DESCHUTES RIVER BASIN for QUASI-MUNICIPAL WATER USE INCLUDING IRRIGATION OF 749.9 ACRES.

This permit is issued approving Application G-11627. The date of priority is NOVEMBER 12, 1987 FOR 3200 GALLONS PER MINUTE (GPM) AND DECEMBER 8, 1992 FOR 500 GPM. The use is limited to not more than 3700 GPM; BEING 1700 GPM FROM WELL 9 AND 2000 GPM FROM WELL 12, FURTHER DESCRIBED AS BEING 2450 GPM FOR GROUP DOMESTIC AND 1250 GPM FOR IRRIGATION or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

WELL 9 - NE 1/4 NE 1/4, SECTION 29, T 19 S, R 11 E, W.M.; BEING 1200 FEET SOUTH AND 70 FEET WEST FROM NE CORNER, SECTION 29.

WELL 12 - NW 1/4 NW 1/4, SECTION 8, T 20 S, R 11 E, W.M.; BEING 420 FEET SOUTH AND 200 FEET WEST FROM NE CORNER, SECTION 8.

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year. This right is limited to any deficiency in the available supply of any prior right existing for the same land.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

GROUP DOMESTIC USE

S 1/2
SECTION 20
SW 1/4 NE 1/4
S 1/2 NW 1/4
SW 1/4
W 1/2 SE 1/4
SECTION 28
ALL
SECTION 29

Application G-11627 Water Resources Department

PERMIT G-13249

STATE OF OREGON
COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

SUNRIVER UTILITIES COMPANY
P.O. BOX 3699
SUNRIVER, OREGON 97707

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This permit is issued approving Application G-11627. The date of priority is NOVEMBER 12, 1987 FOR 3200 GALLONS PER MINUTE (GPM) AND DECEMBER 8, 1992 FOR 500 GPM. The use is limited to not more than 3700 GPM; BEING 1700 GPM FROM WELL 9 AND 2000 GPM FROM WELL 12, FURTHER DESCRIBED AS BEING 2450 GPM FOR GROUP DOMESTIC AND 1250 GPM FOR IRRIGATION or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

WELL 9 - NE 1/4 NE 1/4, SECTION 29, T 19 S, R 11 E, W.M.; BEING 1200 FEET SOUTH AND 70 FEET WEST FROM NE CORNER, SECTION 29.

WELL 12 - NW 1/4 NW 1/4, SECTION 8, T 20 S, R 11 E, W.M.; BEING 420 FEET SOUTH AND 200 FEET WEST FROM NE CORNER, SECTION 8.

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year. This right is limited to any deficiency in the available supply of any prior right existing for the same land.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

GROUP DOMESTIC USE

S 1/2
SECTION 20
SW 1/4 NE 1/4
S 1/2 NW 1/4
SW 1/4
W 1/2 SE 1/4
SECTION 28
ALL
SECTION 29

Application G-11627 Water Resources Department

PERMIT G-13249

E 1/2 SE 1/4
SECTION 30
SW 1/4 NE 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
SE 1/4 SW 1/4
SE 1/4

SECTION 31
ALL

SECTION 32
NW 1/4
NW 1/4 SW 1/4

SECTION 33

TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

N 1/2
SW 1/4
W 1/2 SE 1/4
SECTION 5
E 1/2

E 1/2 W 1/2
SECTION 6
E 1/2

SECTION 7
W 1/2 W 1/2
SECTION 8

W 1/2 NW 1/4
SECTION 17
E 1/2 NE 1/4

SECTION 18

TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

IRRIGATION

NW 1/4 SW 1/4 3.1 ACRES
SECTION 28

SW 1/4 NE 1/4 13.3 ACRES
SE 1/4 NW 1/4 5.7 ACRES
NE 1/4 SW 1/4 6.3 ACRES
NW 1/4 SE 1/4 7.7 ACRES

SECTION 31

NE 1/4 NE 1/4 4.0 ACRES
NE 1/4 SW 1/4 0.5 ACRE
SW 1/4 SW 1/4 3.2 ACRES
SE 1/4 SW 1/4 5.0 ACRES
NW 1/4 SE 1/4 3.7 ACRES
SW 1/4 SE 1/4 1.6 ACRES

SECTION 32

TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

NE 1/4 NW 1/4 6.1 ACRES
NW 1/4 NW 1/4 7.3 ACRES

SE 1/4 NW 1/4 0.9 ACRE
NW 1/4 SW 1/4 5.3 ACRES
SW 1/4 SW 1/4 0.3 ACRE

SECTION 5

NE 1/4 NE 1/4 4.7 ACRES
NW 1/4 NE 1/4 3.3 ACRES
SW 1/4 NE 1/4 6.9 ACRES
SE 1/4 NE 1/4 7.5 ACRES
NE 1/4 NW 1/4 0.9 ACRE
SE 1/4 NW 1/4 7.7 ACRES
NE 1/4 SW 1/4 9.8 ACRES
NE 1/4 SE 1/4 12.0 ACRES
NW 1/4 SE 1/4 8.8 ACRES
SW 1/4 SE 1/4 4.2 ACRES
SE 1/4 SE 1/4 0.1 ACRE

SECTION 6

NE 1/4 NE 1/4 40.0 ACRES
NW 1/4 NE 1/4 37.0 ACRES
SW 1/4 NE 1/4 39.0 ACRES
SE 1/4 NE 1/4 40.0 ACRES
NE 1/4 SE 1/4 37.0 ACRES
NW 1/4 SE 1/4 36.0 ACRES
SW 1/4 SE 1/4 40.0 ACRES
SE 1/4 SE 1/4 40.0 ACRES

SECTION 7

NW 1/4 NW 1/4 37.0 ACRES
SW 1/4 NW 1/4 38.0 ACRES
NW 1/4 SW 1/4 37.0 ACRES
SW 1/4 SW 1/4 37.0 ACRES

SECTION 8

NW 1/4 NW 1/4 36.0 ACRES
SW 1/4 NW 1/4 36.0 ACRES

SECTION 17

NE 1/4 NE 1/4 40.0 ACRES
SE 1/4 NE 1/4 40.0 ACRES

SECTION 18

TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

The adequacy of the construction of Well 12 shall be approved by the Groundwater Hydrology Section of the Water Resources Department before water is appropriated from the well. The well shall be constructed to develop water from an aquifer greater than 70 feet in depth from land surface so that the proposed groundwater use will not have the potential for substantial interference with the Deschutes River.

The Sunriver Utilities Company shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted wells. The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted wells or an adequate substitute such

PAGE 4

as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the Sunriver Utilities Company shall discontinue use of, or reduce the rate or volume of withdrawal from, the wells. Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the Sunriver Utilities Company or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The Sunriver Utilities Company shall in no instance allow excessive decline to occur within the aquifer as a result of use under this permit.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, Sunriver Utilities Company shall submit a plan which is consistent with said rules.

Within one year of permit issuance, Sunriver Utilities Company shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the Company intends to pursue to obtain a long-term water supply.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before December 23, 1993, and shall be completed on or before October 1, 1998. Complete application of the water shall be made on or before October 1, 1998.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

PAGE 5

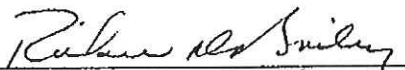
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The Director finds that the proposed uses of water described by this permit, as conditioned, would not impair or be detrimental to the public interest.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

This permit is issued to describe the use of water as amended by Special Order issued by the Director on April 7, 1994, recorded in Volume 48, Page 151, and to assert that the place of use allowed herein, in accordance with, and subject to, the provisions of ORS 540.510(3)(a)&(b), shall include NE 1/4 SE 1/4 and SE 1/4 SE 1/4, Section 18, Township 20 South, Range 11 East, W.M. as requested by the applicant's agent on December 23, 1996. No other changes to the water right described by Permit G-11598 are contemplated by the issuance of this document. Permit G-11598 issued December 23, 1992 is superseded by this permit and is no longer valid.

Issued November 3 , 1997

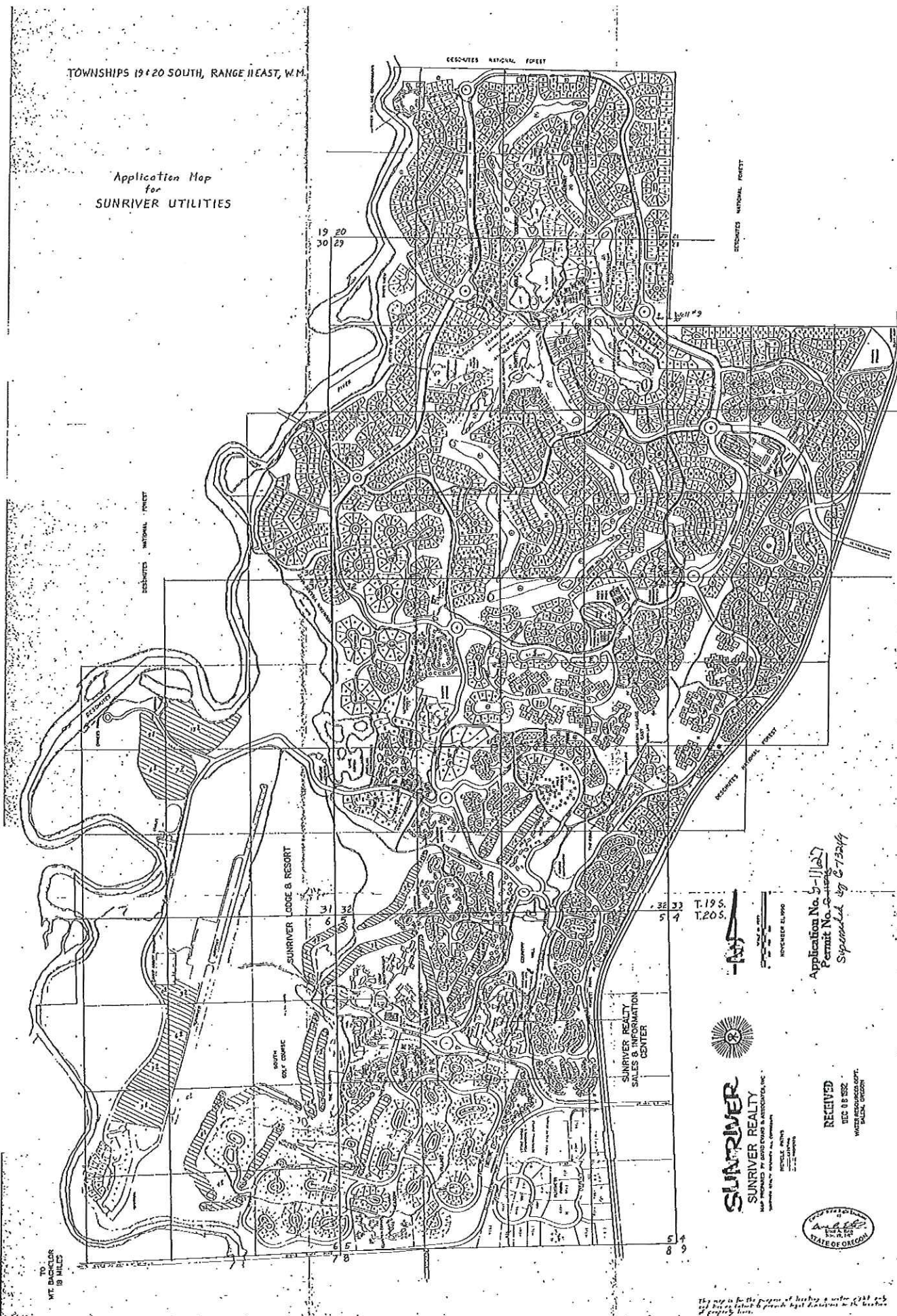

Martha O. Pagel, Director
Water Resources Department

Application G-11627 Water Resources Department
Basin 5 Volume 1 Deschutes River & Misc.
G-11627.SB MGMT.CODE 4FG, XXG, 4HG

PERMIT G-13249
District 11

TOWNSHIPS 19 & 20 SOUTH, RANGE 11 EAST, W.M.

Application Map
for
SUNRIVER UTILITIES



TO
MTE. BACKLICKER
19 MILES

T. 19 S.
T. 20 S.



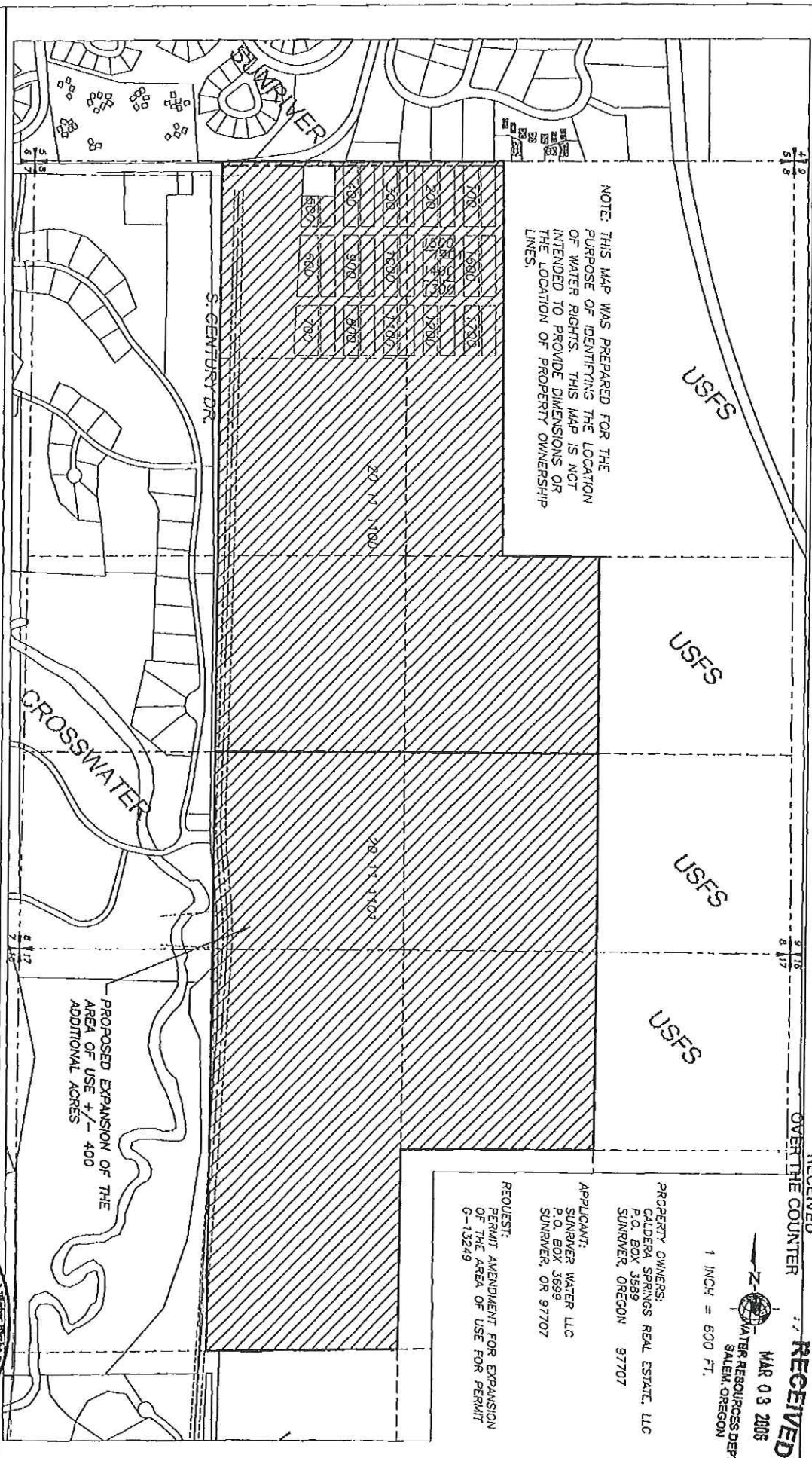
SUNRIVER
SUNRIVER REALTY
MAP PREPARED BY CAROL STANLEY & ASSOCIATES, INC.
1000 N. W. 10TH AVENUE, SUITE 100
SUNRIVER, OREGON 97132

Application No. 5-1127
Permit No. 2-1127
Supplement 49 & 73-49

RECEIVED
DEC 08 1992
WATER RESOURCES DIVISION
SUNRIVER, OREGON



This map is for the purpose of locating a water right and does not constitute a permit. All decisions are the decision of the State Engineer.



10106 APPLICATION MAP FOR AMENDMENT OF APPLICATION G-13249
TOWNSHIP 20 RANGE 11 SECTIONS 8 AND 17

Survey Report LP/31840/Land Water Rights/dwg/PLDT DATE: Feb 21, 2006

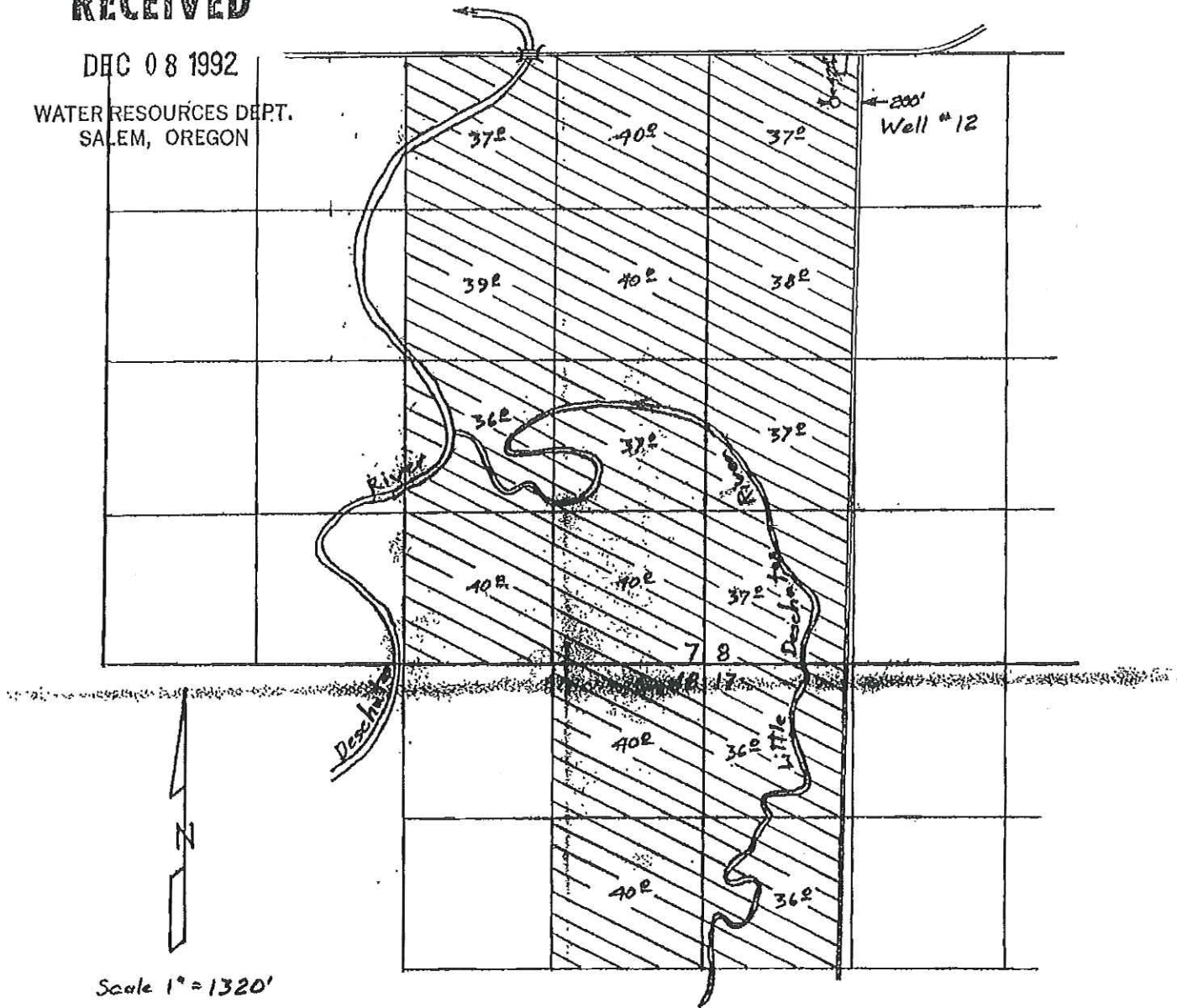


TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

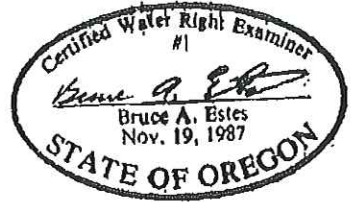
RECEIVED

DEC 08 1992

WATER RESOURCES DEPT.
SALEM, OREGON



Application Map
for
SUNRIVER UTILITIES



Application No. G-11627
Permit No. G-1156
superseded by G-13249

This map is for the purpose of locating a water right only and has no intent to provide legal dimensions or the location of property lines.

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Permit Amendment)
T-9730, Deschutes County, Oregon)
)

FINAL ORDER

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Sunriver Water LLC
P.O. Box 3699
Sunriver, Oregon 97707

Findings of Fact

1. Sunriver Water LLC, filed an application to change the point of appropriation of Well 12 and add an additional point of appropriation to Well 12 under Permit G-13249. The Department assigned the application number T-9730.
2. The permit to be amended is as follows:
 - Permit:** G-13249, in the name of Sunriver Water LLC;
 - Use:** Quasi-municipal water use including irrigation of 749.9 acres
 - Priority Date:** November 12, 1987 for 3200 gallons per minute (gpm) and December 8, 1992 for 500 gpm.
 - Quantity:** 3700 gpm, being 1700 gpm from Well 9 and 2000 gpm from Well 12, further described as being 2450 for quasi-municipal use and 1250 gpm for irrigation use.
 - Rate/Duty:** The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet for each acre irrigated during the irrigation season of each year. This right is limited to any deficiency in the available supply of any prior right existing for the same land.
 - Acres:** Irrigation of 749.9 acres
 - Source:** Wells 9 and 12, in the Deschutes River Basin.

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

**Date Of
Complete
Application of
Water:** October 1, 2034

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Location
19	S	11	E	W.M.	29	NE	NE			Well 9 – 1200 feet South and 70 feet West from the NE Corner of Section 29.
20	S	11	E	W.M.	8	NW	NW			Well 12 – 420 feet South and 200 feet West from the NE Corner of Section 8.

Authorized Place of Use:

QUASI-MUNICIPAL

Township		Range		Meridian	Sec	¼ ¼	
19	S	11	E	W.M.	20	NE	SW
19	S	11	E	W.M.	20	NW	SW
19	S	11	E	W.M.	20	SW	SW
19	S	11	E	W.M.	20	SE	SW
19	S	11	E	W.M.	20	NE	SE
19	S	11	E	W.M.	20	NW	SE
19	S	11	E	W.M.	20	SW	SE
19	S	11	E	W.M.	20	SE	SE
19	S	11	E	W.M.	28	SW	NE
19	S	11	E	W.M.	28	SW	NW
19	S	11	E	W.M.	28	SE	NW
19	S	11	E	W.M.	28	NE	SW
19	S	11	E	W.M.	28	NW	SW
19	S	11	E	W.M.	28	SW	SW
19	S	11	E	W.M.	28	SE	SW
19	S	11	E	W.M.	28	NW	SE
19	S	11	E	W.M.	28	SW	SE
19	S	11	E	W.M.	29	NE	NE
19	S	11	E	W.M.	29	NW	NE
19	S	11	E	W.M.	29	SW	NE
19	S	11	E	W.M.	29	SE	NE
19	S	11	E	W.M.	29	NE	NW

Township		Range		Meridian	Sec	¼ ¼	
19	S	11	E	W.M.	29	SW	NW
19	S	11	E	W.M.	29	SE	NW
19	S	11	E	W.M.	29	NE	SW
19	S	11	E	W.M.	29	NW	SW
19	S	11	E	W.M.	29	SW	SW
19	S	11	E	W.M.	29	SE	SW
19	S	11	E	W.M.	29	NE	SE
19	S	11	E	W.M.	29	NW	SE
19	S	11	E	W.M.	29	SW	SE
19	S	11	E	W.M.	29	SE	SE
19	S	11	E	W.M.	30	NE	SE
19	S	11	E	W.M.	30	SE	SE
19	S	11	E	W.M.	31	SW	NE
19	S	11	E	W.M.	31	SE	NW
19	S	11	E	W.M.	31	NE	SW
19	S	11	E	W.M.	31	SE	SW
19	S	11	E	W.M.	31	NE	SE
19	S	11	E	W.M.	31	NW	SE
19	S	11	E	W.M.	31	SW	SE
19	S	11	E	W.M.	31	SE	SE
19	S	11	E	W.M.	32	NE	NE
19	S	11	E	W.M.	32	NW	NE
19	S	11	E	W.M.	32	SW	NE
19	S	11	E	W.M.	32	SE	NE
19	S	11	E	W.M.	32	NE	NW
19	S	11	E	W.M.	32	NW	NW
19	S	11	E	W.M.	32	SW	NW
19	S	11	E	W.M.	32	SE	NW
19	S	11	E	W.M.	32	NE	SW
19	S	11	E	W.M.	32	NW	SW
19	S	11	E	W.M.	32	SW	SW
19	S	11	E	W.M.	32	SE	SW
19	S	11	E	W.M.	32	NE	SE
19	S	11	E	W.M.	32	NW	SE
19	S	11	E	W.M.	32	SW	SE
19	S	11	E	W.M.	32	SE	SE
19	S	11	E	W.M.	33	NE	NW
19	S	11	E	W.M.	33	NW	NW

Township		Range		Meridian	Sec	¼ ¼	
19	S	11	E	W.M.	33	SW	NW
19	S	11	E	W.M.	33	SE	NW
19	S	11	E	W.M.	33	NW	SW
20	S	11	E	W.M.	5	NE	NE
20	S	11	E	W.M.	5	NW	NE
20	S	11	E	W.M.	5	SW	NE
20	S	11	E	W.M.	5	SE	NE
20	S	11	E	W.M.	5	NE	NW
20	S	11	E	W.M.	5	NW	NW
20	S	11	E	W.M.	5	SW	NW
20	S	11	E	W.M.	5	SE	NW
20	S	11	E	W.M.	5	NE	SW
20	S	11	E	W.M.	5	NW	SW
20	S	11	E	W.M.	5	SW	SW
20	S	11	E	W.M.	5	SE	SW
20	S	11	E	W.M.	5	NW	SE
20	S	11	E	W.M.	5	SW	SE
20	S	11	E	W.M.	6	NE	NE
20	S	11	E	W.M.	6	NW	NE
20	S	11	E	W.M.	6	SW	NE
20	S	11	E	W.M.	6	SE	NE
20	S	11	E	W.M.	6	NE	SE
20	S	11	E	W.M.	6	NW	SE
20	S	11	E	W.M.	6	SW	SE
20	S	11	E	W.M.	6	SE	SE
20	S	11	E	W.M.	6	NE	NW
20	S	11	E	W.M.	6	SE	NW
20	S	11	E	W.M.	6	NE	SW
20	S	11	E	W.M.	6	SE	SW
20	S	11	E	W.M.	7	NE	NE
20	S	11	E	W.M.	7	NW	NE
20	S	11	E	W.M.	7	SW	NE
20	S	11	E	W.M.	7	SE	NE
20	S	11	E	W.M.	7	NE	SE
20	S	11	E	W.M.	7	NW	SE
20	S	11	E	W.M.	7	SW	SE
20	S	11	E	W.M.	7	SE	SE
20	S	11	E	W.M.	8	NW	NW

Township		Range		Meridian	Sec	¼ ¼	
20	S	11	E	W.M.	8	SW	NW
20	S	11	E	W.M.	8	NW	SW
20	S	11	E	W.M.	8	SW	SW
20	S	11	E	W.M.	17	NW	NW
20	S	11	E	W.M.	17	SW	NW
20	S	11	E	W.M.	18	NE	NE
20	S	11	E	W.M.	18	SE	NE
20	S	11	E	W.M.	18	NE	SE
20	S	11	E	W.M.	18	SE	SE

IRRIGATION

Township		Range		Meridian	Sec	¼ ¼		Acres
19	S	11	E	W.M.	28	NW	SW	3.1
19	S	11	E	W.M.	31	SW	NE	13.3
19	S	11	E	W.M.	31	SE	NW	5.7
19	S	11	E	W.M.	31	NE	SW	6.3
19	S	11	E	W.M.	31	NW	SE	7.7
19	S	11	E	W.M.	32	NE	NE	4.0
19	S	11	E	W.M.	32	NE	SW	0.5
19	S	11	E	W.M.	32	SW	SW	3.2
19	S	11	E	W.M.	32	SE	SW	5.0
19	S	11	E	W.M.	32	NW	SE	3.7
19	S	11	E	W.M.	32	SW	SE	1.6
20	S	11	E	W.M.	5	NE	NW	6.1
20	S	11	E	W.M.	5	NW	NW	7.3
20	S	11	E	W.M.	5	SE	NW	0.9
20	S	11	E	W.M.	5	NW	SW	5.3
20	S	11	E	W.M.	5	SW	SW	0.3
20	S	11	E	W.M.	6	NE	NE	4.7
20	S	11	E	W.M.	6	NW	NE	3.3
20	S	11	E	W.M.	6	SW	NE	6.9
20	S	11	E	W.M.	6	SE	NE	7.5
20	S	11	E	W.M.	6	NE	NW	0.9
20	S	11	E	W.M.	6	SE	NW	7.7
20	S	11	E	W.M.	6	NE	SW	9.8
20	S	11	E	W.M.	6	NE	SE	12.0
20	S	11	E	W.M.	6	NW	SE	8.8
20	S	11	E	W.M.	6	SW	SE	4.2

Township		Range		Meridian	Sec	¼ ¼		Acres
20	S	11	E	W.M.	6	SE	SE	0.1
20	S	11	E	W.M.	7	NE	NE	40.0
20	S	11	E	W.M.	7	NW	NE	37.0
20	S	11	E	W.M.	7	SW	NE	39.0
20	S	11	E	W.M.	7	SE	NE	40.0
20	S	11	E	W.M.	7	NE	SE	37.0
20	S	11	E	W.M.	7	NW	SE	36.0
20	S	11	E	W.M.	7	SW	SE	40.0
20	S	11	E	W.M.	7	SE	SE	40.0
20	S	11	E	W.M.	8	NW	NW	37.0
20	S	11	E	W.M.	8	SW	NW	38.0
20	S	11	E	W.M.	8	NW	SW	37.0
20	S	11	E	W.M.	8	SW	SW	37.0
20	S	11	E	W.M.	17	NW	NW	36.0
20	S	11	E	W.M.	17	SW	NW	36.0
20	S	11	E	W.M.	18	NE	NE	40.0
20	S	11	E	W.M.	18	SE	NE	40.0

3. Application T-9730 proposes to change the point of appropriation of Well 12 under the permit to its actual location:

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Location
20	S	11	E	W.M.	8	NW	NW			215 feet South and 830 feet East from the NW Corner of Section 8.

4. Application T-9730 proposes to add an additional point of appropriation to Well 12 under the permit located:

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Location
20	S	11	E	W.M.	5	NE	NE			875 feet South and 340 feet West from the NE Corner of Section 5.

5. Notice of the application for permit amendment was published pursuant to ORS 540.520(5). No comments were filed in response to the notice.
6. The change would not result in injury to other water rights.
7. The change does not enlarge the permit.
8. The change does not alter all other terms of the permit.

Conclusion of Law


The change in point of appropriation for Well 12 and additional point of appropriation for Well 12 proposed by Permit Amendment Application T-9730 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The combined quantity of water diverted at the new point of appropriation (well), together with that diverted at the old point of appropriation, shall not exceed the maximum rate and duty allowed under Permit G-13249.
2. Prior to water use from the proposed points of appropriation the water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
3. Water shall be acquired from the same aquifer as the original point of appropriation.
4. The former place of use shall no longer be irrigated as part of this permit.
5. All other terms and conditions of Permit G-13249 remain the same.
6. Permit G-13249, in the name of Sunriver Water LLC, is amended as described herein.

Dated at Salem, Oregon this 12th day of July, 2005.



Phillip C. Ward,
Director

STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

SUNRIVER WATER, LLC
PO BOX 3699
SUNRIVER OR 97707

confirms the right to use the waters of WELL #12, in the DESCHUTES RIVER BASIN for IRRIGATION of 81.89 ACRES.

This right was perfected under Permit G-9007. The date of priority is NOVEMBER 21, 1979. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.02 CUBIC FEET PER SECOND, if available at the original point of appropriation; NW NE, Section 29, T 19 S, R 11 E, WM; 1345 FEET NORTH AND 80 FEET EAST FROM THE C¹/₄ CORNER, SECTION 29, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Well	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
12	20 S	11 E	WM	8	NW NW	234 FEET SOUTH & 835 FEET EAST FROM NW CORNER OF SECTION 8

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

Twp	Rng	Mer	Sec	Q-Q	Acres
20 S	11 E	WM	7	NE NE	4.92
20 S	11 E	WM	7	NW NE	8.09
20 S	11 E	WM	7	SW NE	11.19
20 S	11 E	WM	7	SE NE	4.87
20 S	11 E	WM	7	NE SE	5.34

NOTICE OF RIGHT TO RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Twp	Rng	Mer	Sec	Q-Q	Acres
20 S	11 E	WM	7	SE SE	11.41
20 S	11 E	WM	8	NW NW	3.00
20 S	11 E	WM	8	SW NW	3.64
20 S	11 E	WM	8	NW SW	10.64
20 S	11 E	WM	8	SW SW	11.40
20 S	11 E	WM	17	NW NW	7.39

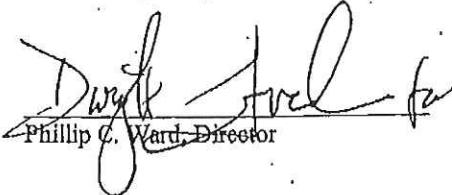
The quantity of water diverted at the new point of appropriation shall not exceed the quantity of water lawfully available at the original point of appropriation.

The water user shall maintain at each point of appropriation an in-line flow meter or other suitable device for measuring and recording the quantity of water appropriated.

This certificate is issued to confirm changes in POINT OF APPROPRIATION, PLACE OF USE AND CHARACTER OF USE approved by an order of the Water Resources Director entered December 27, 2005, at Special Order Volume 67, Page 598, approving Transfer Application 9729, and supercedes Certificate 81406, State record of Water Right Certificates.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

Issued MAY 08 2009


Phillip C. Ward, Director

STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

SUNRIVER WATER, LLC
PO BOX 3699
SUNRIVER OR 97707

confirms the right to use the waters of WELL #12, in the DESCHUTES RIVER BASIN for IRRIGATION of 19.0 ACRES.

This right was perfected under Permit G-5610. The date of priority is AUGUST 28, 1972. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 0.13 CUBIC FOOT PER SECOND, if available at the original point of appropriation; SW SE, Section 31, T 19 S, R 11 E, WM; 300 FEET NORTH AND 20 FEET EAST FROM THE S¼ CORNER, SECTION 31, or its equivalent in case of rotation, measured at the well.

The point of appropriation is located as follows:

Well	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
12	20 S	11 E	WM	8	NW NW	234 FEET SOUTH & 835 FEET EAST FROM NW CORNER OF SECTION 8

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

IRRIGATION							
Twp	Rng	Mer	Sec	Q-Q	GLot	DLC	Acres
20 S	11 E	WM	17	NW NW			0.92
20 S	11 E	WM	17	SW NW			5.12
20 S	11 E	WM	18	NE NE			6.09
20 S	11 E	WM	18	SE NE			6.87

NOTICE OF RIGHT TO RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

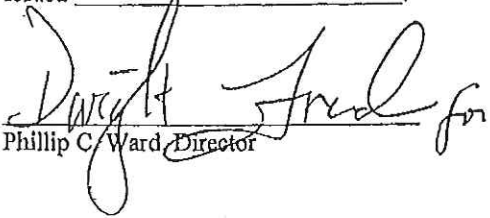
The quantity of water diverted at the new points of appropriation shall not exceed the quantity of water lawfully available at the original points of appropriation.

The water user shall maintain at each point of appropriation an in-line flow meter or other suitable device for measuring and recording the quantity of water appropriated.

This certificate is issued to confirm changes in POINT OF APPROPRIATION AND PLACE OF USE approved by an order of the Water Resources Director entered December 27, 2005, at Special Order Volume 67, Page 598, approving Transfer Application 9729, and supercedes Certificate 57066, State record of Water Right Certificates.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

Issued MAY 08 2009


Phillip C. Ward, Director

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Transfer Application)
T-9729, Deschutes County)
)
) FINAL ORDER APPROVING
) CHANGES IN POINTS OF
) APPROPRIATION, PLACE OF USE
) AND CHARACTER OF USE

ORS 537.705 and 540.505 to 540.580 establish the process in which a water right holder may submit a request to transfer the point of appropriation, place of use, or character of use authorized under an existing water right. OAR Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

Applicant

Sunriver Water LLC
P.O. Box 3699
Sunriver, OR 97707

Findings of Fact

1. Sunriver Water LLC filed an application on May 19, 2004 to transfer the points of appropriation and places of use under Certificates 57066 and 81406. The Department assigned the application number T-9729. On August 4, 2005 Sunriver Water amended the transfer to include a character of use change. Sunriver Water LLC also proposes to cancel Certificate 81405.

2. The entirety of the first right to be transferred is as follows:

- Certificate:** 57066 in the name of Sunriver Properties, Inc. (An Oregon Corporation), (perfected under Permit G-5610)
- Use:** Irrigation
- Priority Date:** August 28, 1972
- Quantity:** 0.13 cfs
- Rate/Duty:** 1/80 cfs per acre, not to exceed 3 acre-feet per acre per year
- Acres:** 19.0
- Source:** Sunriver Well #6 in the Deschutes River Basin

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137.004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Authorized Point of Appropriation:

Township		Range		Meridian	Sec	¼ ¼	Survey Coordinates
19	S	11	E	W.M.	31	SW SE	300 feet north & 20 feet east from the S1/4 corner of Section 31

Authorized Place of Use:

Township		Range		Meridian	Sec	¼ ¼	Acres
19	S	11	E	W.M.	31	SW SE	19.00

3. The entirety of the second right to be transferred is as follows:

Certificate: 81406 in the name of Sunriver Water LLC (perfected under Permit G-9007)

Use: SUPPLEMENTAL Irrigation

Priority Date: November 21, 1979

Quantity: 1.02 cfs

Rate/Duty: 1/80 cfs per acre, not to exceed 3.0 acre-feet per acre per year

Acres: 81.9

Source: A well in the Deschutes River Basin

Authorized Point of Appropriation:

Township		Range		Meridian	Sec	¼ ¼	Survey Coordinates
19	S	11	E	W.M.	29	NW NE	1345 feet north and 80 feet east from the center ¼ corner of Section 29

Authorized Place of Use:

Township		Range		Meridian	Sec	¼ ¼	Acres
19	S	11	E	W.M.	20	NE SW	0.1
19	S	11	E	W.M.	20	SE SW	1.7
19	S	11	E	W.M.	20	NE SE	0.2
19	S	11	E	W.M.	20	NW SE	7.9
19	S	11	E	W.M.	20	SW SE	8.1
19	S	11	E	W.M.	20	SE SE	2.0
19	S	11	E	W.M.	29	NE NE	5.4
19	S	11	E	W.M.	29	NW NE	5.0
19	S	11	E	W.M.	29	SW NE	11.3
19	S	11	E	W.M.	29	SE NE	10.4
19	S	11	E	W.M.	29	SE NW	2.3
19	S	11	E	W.M.	29	NE SW	5.8
19	S	11	E	W.M.	29	SE SW	0.6
19	S	11	E	W.M.	29	NE SE	2.6

Township		Range		Meridian	Sec	¼ ¼	Acres
19	S	11	E	W.M.	29	NW SE	2.8
19	S	11	E	W.M.	29	SW SE	5.7
19	S	11	E	W.M.	29	SE SE	4.4
19	S	11	E	W.M.	32	NW NE	5.1
19	S	11	E	W.M.	32	NE NW	0.5

4. Application T-9729 proposes to move the authorized points of appropriation of Certificate 57066 approximately 2.3 miles south from the existing point of appropriation in the Deschutes River basin to Well #12 and Well #13 located at:

Township		Range		Meridian	Sec	¼ ¼	Survey Coordinates
20	S	11	E	W.M.	8	NW NW	Well #12—215 feet south and 830 feet east from the NW corner of Section 8
20	S	11	E	W.M.	18	SE NE	Well #13—1370 feet south and 1220 feet west from the NE corner of Section 18

5. Application T-9729 proposes to change the place of use of the right under Certificate 57066 to:

Township		Range		Meridian	Sec	¼ ¼	Acres
20	S	11	E	W.M.	17	NW NW	1.1
20	S	11	E	W.M.	17	SW NW	4.5
20	S	11	E	W.M.	18	NE NE	6.1
20	S	11	E	W.M.	18	SE NE	7.3

6. Application T-9729 proposes to move the authorized points of appropriation of Certificate 81046 approximately 2.8 miles south from the existing point of appropriation in the Deschutes River basin to Well #12 and Well #13 located at:

Township		Range		Meridian	Sec	¼ ¼	Survey Coordinates
20	S	11	E	W.M.	8	NW NW	Well #12—215 feet south and 830 feet east from the NW corner of Section 8
20	S	11	E	W.M.	18	SE NE	Well #13—1370 feet south and 1220 feet west from the NE corner of Section 18

7. Application T-9729 proposes to change the place of use of the right under Certificate 81046 to:

Township		Range		Meridian	Sec	¼ ¼	Acres
20	S	11	E	W.M.	7	NE NE	7.6
20	S	11	E	W.M.	7	NW NE	10.0
20	S	11	E	W.M.	7	SW NE	11.3

Township		Range		Meridian	Sec	¼ ¼	Acres
20	S	11	E	W.M.	7	SE NE	5.8
20	S	11	E	W.M.	7	NE SE	6.4
20	S	11	E	W.M.	7	SE SE	11.2
20	S	11	E	W.M.	8	NW NW	3.3
20	S	11	E	W.M.	8	SW NW	4.0
20	S	11	E	W.M.	8	NW SW	8.5
20	S	11	E	W.M.	8	SW SW	7.7
20	S	11	E	W.M.	17	NW NW	6.1

8. Application T-9729 proposes to change the character of use of the right under Certificate 81046 from supplemental irrigation to primary irrigation.
9. On August 4, 2005 Sunriver Resort Limited Partnership submitted an affidavit to voluntarily cancel the following primary water right:
Certificate: 81405 in the name of Sunriver Water LLC (perfected under Permit 45205)
Use: Irrigation
Priority Date: January 29, 1980
Quantity: 2.05 cfs
Rate/Duty: 1/40 cfs per acre, not to exceed 4.0 acre-feet per acre per year
Acres: 81.9
Source: Sunriver Wastewater Treatment Plant in the Deschutes River Basin

Authorized Point of Diversion:

Township		Range		Meridian	Sec	¼ ¼	Survey Coordinates
19	S	11	E	W.M.	29	SE NW	510 feet north and 675 feet west from the center ¼ corner of Section 29

Authorized Place of Use:

Township		Range		Meridian	Sec	¼ ¼	Acres
19	S	11	E	W.M.	20	NE SW	0.1
19	S	11	E	W.M.	20	SE SW	1.7
19	S	11	E	W.M.	20	NE SE	0.2
19	S	11	E	W.M.	20	NW SE	7.9
19	S	11	E	W.M.	20	SW SE	8.1
19	S	11	E	W.M.	20	SE SE	2.0
19	S	11	E	W.M.	29	NE NE	5.4
19	S	11	E	W.M.	29	NW NE	5.0
19	S	11	E	W.M.	29	SW NE	11.3
19	S	11	E	W.M.	29	SE NE	10.4

Township		Range		Meridian	Sec	¼ ¼	Acres
19	S	11	E	W.M.	29	SE NW	2.3
19	S	11	E	W.M.	29	NE SW	5.8
19	S	11	E	W.M.	29	SE SW	0.6
19	S	11	E	W.M.	29	NE SE	2.6
19	S	11	E	W.M.	29	NW SE	2.8
19	S	11	E	W.M.	29	SW SE	5.7
19	S	11	E	W.M.	29	SE SE	4.4
19	S	11	E	W.M.	32	NW NE	5.1
19	S	11	E	W.M.	32	NE NW	0.5

10. Notice of the application for transfer was published pursuant to ORS 540.520 and OAR 690-380-4000. No comments were filed in response to the notice.
11. Water has been used within the last five years according to the terms and conditions of the rights, and no evidence is available that would demonstrate that the right is subject to forfeiture under ORS 540.610.
12. Pumps, pipelines, and sprinkler systems sufficient to use the full amount of water allowed under the existing rights are present.
13. The proposed change would uncouple a primary water right from an associated supplemental right (ORS 540.510). However, no enlargement of any water right will occur because the primary right, Certificate 81405, will be cancelled as part of this transfer. The supplemental water right has been used as a primary right until 2001 since no water was available under the primary right until 2001.
14. The proposed change would not result in injury to other water rights.

Conclusions of Law

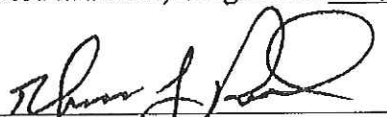
The changes in points of appropriation, place of use, character of use and cancellation proposed in application T-9729 are consistent with the requirements of ORS 537.705 and 540.505 to 540.580, and OAR 690-380-5000.

Now, therefore, it is ORDERED:

1. The changes in points of appropriation, place of use, and character of use proposed in application T-9729 are approved.
2. Water right certificate 81405 is cancelled.
3. The right to use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 57066 and 81406 and any related decree.

4. Water shall be acquired from the same aquifer (water source) as the original points of appropriation.
5. The approved changes shall be completed and full beneficial use of the water shall be made on or before **October 1, 2007**. A Claim of Beneficial Use prepared by a Certified Water Rights Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.
6. The quantity of water diverted at the new points of appropriation shall not exceed the quantity of water lawfully available at the original points of appropriation.
7. The former place of use shall no longer be irrigated as part of this water right.
8. Prior to diverting water at the new points of appropriation, the water user shall install and maintain at each point of appropriation an in-line flow meter or other suitable device for measuring and recording the quantity of water appropriated. The type and plans of the measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
9. When satisfactory proof of the completed changes is received, new certificates confirming the rights transferred will be issued.

Dated at Salem, Oregon this 27th day of DECEMBER, 2005.


For Phillip C. Ward
Director

Mailing date: DEC 29 2005

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16339

Final Order

Appeal Rights

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

Application History

On November 10, 2004, Terry Penhollow, submitted an application to the Department for a water use permit on behalf of Sunriver Water, LLC. On September 19, 2006, the Department issued a Proposed Final Order concluding that, with the mitigation proposed by the applicant, water is available for the proposed use and that the proposed use would ensure the preservation of the public welfare, safety and health. The protest period closed November 3, 2006, and no protest was received.

On July 29, 2005, House Bill 3494, enacted by the 73rd Oregon Legislative Assembly, was signed by the Governor. Under Section 2 of this 2005 Act, Oregon Administrative Rules (OAR) 690-505-0600 through 690-505-0630, certified effective by the Secretary of State on September 27, 2002, satisfy the requirements relating to mitigation under ORS 390.805 to 390.925, 537.322 to 537.360, and 537.505 to 537.795.

As required by OAR 690-505-0615, the applicant must submit proposed mitigation that meets the requirements of OAR 690-505-0610(2)-(5). Pursuant to OAR 690-505-0620, a permit shall not be issued until the applicant provides documentary evidence that mitigation water, in an amount satisfying the mitigation obligation, is legally protected instream.

The applicant submitted a mitigation proposal to provide 184.0 acre-feet (AF) of mitigation water within the Little Deschutes Zone of Impact pursuant to OAR 690-505-0615(4). The applicant has proposed to provide the mitigation on an incremental basis (OAR 690-505-0625) as outlined below:

Increment	Year	Est. Annual Volume	Mitigation Obligation	Mitigation Source
1	2008	125.0 AF	50.0 AF	Purchase credits or develop a mitigation project
2	2010	250.0 AF	100.0 AF	Purchase credits or develop a mitigation project
3	2015	85.0 AF	34.0 AF	Purchase credits or develop a mitigation project

Order

A permit consistent with the attached draft permit shall be issued only upon submission of documentary evidence and/or completion of a mitigation project demonstrating that 50.0 AF of mitigation water (credits), or an alternate amount of mitigation in conjunction with a modified incremental mitigation development plan, meeting the requirements of OAR 690-505-0610(2)-(5), within the Little Deschutes Zone of Impact, have been obtained and satisfy the first stage of incremental development.

In addition, payment of outstanding permit recording fees in the amount of \$250.00 are required. Said fees are due and payable prior to the issuance of a permit, even if all mitigation obligations have been satisfied.

This final order is issued approving application G-16339 contingent upon the required mitigation being provided prior to permit issuance. This final order shall expire 5 years after issuance unless the required mitigation is provided (OAR 690-505-0620(2)).

DATED February 8, 2007

E. Timothy Wall for
Phillip C. Ward, Director

This document was prepared by Anita Huffman. If you have any questions about any of the statements contained in this document I am the most likely the best person to answer your questions. You can reach me at 503-986-0815.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Mike Reynolds at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1271; Fax: 503-986-0901.

DRAFT

This is not a permit.
STATE OF OREGON

DRAFT

COUNTY OF DESCHUTES

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

SUNRIVER WATER, LLC
PO BOX 3699
SUNRIVER, OR 97707

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16339

SOURCE OF WATER: A WELL IN THE LITTLE DESCHUTES RIVER BASIN

PURPOSE OR USE: QUASI-MUNICIPAL USE

MAXIMUM RATE/VOLUME: 1.34 CUBIC FEET PER SECOND, LIMITED TO A MAXIMUM ANNUAL VOLUME OF 460.0 ACRE FEET (AF), FURTHER LIMITED BY THE CORRESPONDING MITIGATION PROVIDED UNDER THE INCREMENTAL MITIGATION DEVELOPMENT PLAN

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: NOVEMBER 10, 2004

WELL LOCATION: NW ¼ SE ¼, SECTION 8, T20S, R11E, W.M.; 2819 FEET SOUTH & 1471 FEET WEST FROM NE CORNER OF SECTION 8

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE SUNRIVER WATER, LLC. WATER DISTRICT; LOCATED WITHIN:

NW ¼ NE ¼
SW ¼ NE ¼
NE ¼ NW ¼
SE ¼ NW ¼
NE ¼ SW ¼
SE ¼ SW ¼
NW ¼ SE ¼
SW ¼ SE ¼
SECTION 8

NW ¼ NE ¼
NE ¼ NW ¼
SE ¼ NW ¼
SECTION 17

TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each diversion point. The totalizing flow meter(s) must be installed and maintained in good working order consistent with those standards identified in OAR 690-507-645(1) through (3). The permittee shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter(s); provided however, where any meter is located within a private structure, the watermaster shall request access upon reasonable notice.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced. However, the use of ground water allowed under the terms of this permit will not be subject to regulation for Scenic Waterway flows so long as mitigation is maintained.

GROUND WATER MITIGATION CONDITIONS

Mitigation Obligation: 184.0 acre-feet of mitigation water in the Little Deschutes Zone of Impact (anywhere in the Little Deschutes River Basin above the mouth of the Little Deschutes River)

Mitigation Source: Mitigation Credits or a Mitigation Project, in accordance with the incremental development plan on file

with the Department, meeting the requirements of OAR Chapter 690, Division 505 (Deschutes Ground Water Mitigation Rules).

The first stage of incremental development shall be met with 50.0 AF of mitigation, being mitigation credits from a chartered mitigation bank, or mitigation water that meets the requirements of OAR Chapter 690, Division 505-0610(2)-(5), within the Little Deschutes Zone of Impact.

Mitigation water must be legally protected instream for instream use within the Little Deschutes Zone of Impact and committed for life of the permit and subsequent certificate(s). Regulation of the use and/or cancellation of the permit, or subsequent certificate(s) will occur if the required mitigation is not maintained.

If mitigation is from a secondary right for stored water from a storage project not owned or operated by the permittee, the use of water under this right is subject to the terms and conditions of a valid contract, or a satisfactory replacement, with the owner/operator of the storage project, a copy of which must be on file in the records of the Water Resources Department prior to use of water.

The permittee shall provide additional mitigation if the Department determines that average annual consumptive use of the subject appropriation has increased beyond the originally mitigated amount.

The permittee shall provide mitigation prior to each stage of development under the permit, as described in the incremental development mitigation plan on file with the Department, and in accordance with the standards of the Deschutes Ground Water Mitigation Rules, OAR Chapter 690, Division 505.

The permittee shall not increase the rate or amount of water diverted, as described in the incremental development mitigation plan, prior to increasing the corresponding mitigation.

The permittee shall seek and receive Department approval prior to changing the incremental mitigation development plan and related mitigation obligation for each stage of permit development.

The permittee shall report to the Department the progress of implementing the incremental mitigation development plan and related

mitigation no later than April 1 of each year. This annual notification is not necessary if the permittee has completed development and submitted a Claim of Beneficial Use to the Department.

The permittee shall submit an updated Water Management and Conservation Plan pursuant to OAR Chapter 690, Division 86 as outlined with the existing Water Management and Conservation Plan on file with the Water Resources Department. The Director may approve an extension of this time line to complete the required Water Management and Conservation Plan. The time line for submittal of a plan under this permit does not alter the time lines for submittal of a plan under any other order of the Department.

Failure to comply with these mitigation conditions shall result in the Department regulating the ground water permit, or subsequent certificate(s), proposing to deny any permit extension application for the ground water permit, and proposing to cancel the ground water permit, or subsequent certificate(s).

STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Complete application of the water to the use shall be made on or before October 1, 2011. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 2007

DRAFT - THIS IS NOT A PERMIT

Phillip C. Ward, Director
Water Resources Department

Mailing List for FO Copies

Application #G-16339
Original mailed to:

Mailing List Print Date: January 16, 2007

SUNRIVER WATER, LLC., TERRY PENHOLLOW, VICE PRESIDENT, PO BOX 3699,
SUNRIVER, OR 97707

Copies sent to:

1. WRD - File # G-16339
2. Water Availability: Ken Stahr
3. WRD - Laura Snedaker
4. DRC- Bruce Alyward

Copies Mailed By: _____ (SUPPORT STAFF) on: _____ (DATE)
--

FO and Map Copies sent to:

5. WRD - Watermaster # 11

Copies sent to Other Interested Persons (*CWRE, Agent, Well Driller, Commenter, etc.*)

Tom Walker, W&H Pacific, 920 SW Emkay STE C100, Bend, OR 97702

CASEWORKER : huffmaam

**Oregon Water Resources Department
Water Rights/Adjudications Division**

Water Rights Application
Number G-16874

Final Order

Appeal Rights

This is a Final Order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the Final Order is not subject to judicial review.

Application History

On June 19, 2007, Sunriver Water LLC, submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on March 23, 2010. The protest period closed May 7, 2010, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

Order

Application G-16874 is therefore approved as proposed by the Proposed Final Order. A permit consistent with the attached draft permit shall be issued only upon submission of documentary evidence that 716.0 mitigation credits, or suitable mitigation that meets the requirements of OAR 690-505-0610(2)-(5), within the Upper Deschutes Zone of Impact, have been obtained.

In addition, payment of outstanding permit recording fees in the amount of \$900.00 are required. Said fees are due and payable prior to the issuance of a permit, even if all mitigation obligations have been satisfied.

This Final Order is issued approving application G-17231 contingent upon the required mitigation being provided prior to permit issuance. This Final Order shall expire 5 years after issuance unless the required mitigation is provided under OAR 690-505-0620(2).

DATED May 27, 2010

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

This document was prepared by Joel Plahn. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0815.

If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

STATE OF OREGON

COUNTY OF DESCHUTES

DRAFT PERMIT TO APPROPRIATE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO:

SUNRIVER WATER, LLC
PO BOX 3699
SUNRIVER OR 97707

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16874

SOURCE OF WATER: A WELL IN THE DESCHUTES RIVER BASIN

RATE: 3.9 CUBIC FEET PER SECOND, LIMITED TO A MAXIMUM VOLUME OF 1790.0 ACRE FEET ANNUALLY

DATE OF PRIORITY: JUNE 19, 2007

Use	Period
QUASI-MUNICIPAL	JANUARY 1- DECEMBER 31

Authorized Point of Diversion:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
20 S	11 E	WM	5	NE NE	890 FEET SOUTH AND 352 FEET WEST FROM NE CORNER, SECTION 5

Authorized Place of Use:

Twp	Rng	Mer	Sec	Q-Q
19 S	11 E	WM	20	NE SW
19 S	11 E	WM	20	NW SW
19 S	11 E	WM	20	SW SW
19 S	11 E	WM	20	SE SW
19 S	11 E	WM	20	NE SE
19 S	11 E	WM	20	NW SE
19 S	11 E	WM	20	SW SE
19 S	11 E	WM	20	SE SE
19 S	11 E	WM	28	SW NE
19 S	11 E	WM	28	SW NW
19 S	11 E	WM	28	SE NW
19 S	11 E	WM	28	NE SW
19 S	11 E	WM	28	NW SW
19 S	11 E	WM	28	SW SW
19 S	11 E	WM	28	SE SW
19 S	11 E	WM	28	NW SE
19 S	11 E	WM	28	SW SE
19 S	11 E	WM	29	NE NE
19 S	11 E	WM	29	NW NE
19 S	11 E	WM	29	SW NE
19 S	11 E	WM	29	SE NE

Twp	Rng	Mer	Sec	Q-Q
19 S	11 E	WM	29	NE NW
19 S	11 E	WM	29	NW NW
19 S	11 E	WM	29	SW NW
19 S	11 E	WM	29	SE NW
19 S	11 E	WM	29	NE SW
19 S	11 E	WM	29	NW SW
19 S	11 E	WM	29	SW SW
19 S	11 E	WM	29	SE SW
19 S	11 E	WM	29	NE SE
19 S	11 E	WM	29	NW SE
19 S	11 E	WM	29	SW SE
19 S	11 E	WM	29	SE SE
19 S	11 E	WM	30	SE NE
19 S	11 E	WM	30	NE SE
19 S	11 E	WM	30	NW SE
19 S	11 E	WM	30	SW SE
19 S	11 E	WM	30	SE SE
19 S	11 E	WM	31	NE NE
19 S	11 E	WM	31	NW NE
19 S	11 E	WM	31	SW NE
19 S	11 E	WM	31	SE NE

Twp	Rng	Mer	Sec	Q-Q
19 S	11 E	WM	31	SW NW
19 S	11 E	WM	31	SE NW
19 S	11 E	WM	31	NE SW
19 S	11 E	WM	31	NW SW
19 S	11 E	WM	31	SE SW
19 S	11 E	WM	31	NE SE
19 S	11 E	WM	31	NW SE
19 S	11 E	WM	31	SW SE
19 S	11 E	WM	31	SE SE
19 S	11 E	WM	32	NE NE
19 S	11 E	WM	32	NW NE
19 S	11 E	WM	32	SW NE
19 S	11 E	WM	32	SE NE
19 S	11 E	WM	32	NE NW
19 S	11 E	WM	32	NW NW
19 S	11 E	WM	32	SW NW
19 S	11 E	WM	32	SE NW
19 S	11 E	WM	32	NE SW
19 S	11 E	WM	32	NW SW
19 S	11 E	WM	32	SW SW
19 S	11 E	WM	32	SE SW
19 S	11 E	WM	32	NE SE
19 S	11 E	WM	32	NW SE
19 S	11 E	WM	32	SW SE
19 S	11 E	WM	32	SE SE
19 S	11 E	WM	33	NE NE
19 S	11 E	WM	33	NW NE
19 S	11 E	WM	33	SW NE
19 S	11 E	WM	33	NE NW
19 S	11 E	WM	33	NW NW
19 S	11 E	WM	33	SW NW
19 S	11 E	WM	33	SE NW
19 S	11 E	WM	33	NE SW
19 S	11 E	WM	33	NW SW
19 S	11 E	WM	33	SW SW
19 S	11 E	WM	33	SE SW
19 S	11 E	WM	33	NW SE
19 S	11 E	WM	33	SW SE
20 S	11 E	WM	5	NE NE
20 S	11 E	WM	5	NW NE
20 S	11 E	WM	5	SW NE
20 S	11 E	WM	5	SE NE
20 S	11 E	WM	5	NE NW
20 S	11 E	WM	5	NW NW
20 S	11 E	WM	5	SW NW
20 S	11 E	WM	5	SE NW
20 S	11 E	WM	5	NE SW
20 S	11 E	WM	5	NW SW
20 S	11 E	WM	5	SW SW
20 S	11 E	WM	5	SE SW

Twp	Rng	Mer	Sec	Q-Q
20 S	11 E	WM	5	NE SE
20 S	11 E	WM	5	NW SE
20 S	11 E	WM	5	SW SE
20 S	11 E	WM	5	SE SE
20 S	11 E	WM	6	NE NE
20 S	11 E	WM	6	NW NE
20 S	11 E	WM	6	SW NE
20 S	11 E	WM	6	SE NE
20 S	11 E	WM	6	NE NW
20 S	11 E	WM	6	SW NW
20 S	11 E	WM	6	SE NW
20 S	11 E	WM	6	NE SW
20 S	11 E	WM	6	NW SW
20 S	11 E	WM	6	SW SW
20 S	11 E	WM	6	SE SW
20 S	11 E	WM	6	NE SE
20 S	11 E	WM	6	NW SE
20 S	11 E	WM	6	SW SE
20 S	11 E	WM	6	SE SE
20 S	11 E	WM	7	NE NE
20 S	11 E	WM	7	NW NE
20 S	11 E	WM	7	SW NE
20 S	11 E	WM	7	SE NE
20 S	11 E	WM	7	NE NW
20 S	11 E	WM	7	SE NW
20 S	11 E	WM	7	NE SE
20 S	11 E	WM	7	NW SE
20 S	11 E	WM	7	SW SE
20 S	11 E	WM	7	SE SE
20 S	11 E	WM	8	NW NE
20 S	11 E	WM	8	SW NE
20 S	11 E	WM	8	NE NW
20 S	11 E	WM	8	NW NW
20 S	11 E	WM	8	SW NW
20 S	11 E	WM	8	SE NW
20 S	11 E	WM	8	NE SW
20 S	11 E	WM	8	NW SW
20 S	11 E	WM	8	SW SW
20 S	11 E	WM	8	SE SW
20 S	11 E	WM	8	NW SE
20 S	11 E	WM	8	SW SE
20 S	11 E	WM	17	NW NE
20 S	11 E	WM	17	NE NW
20 S	11 E	WM	17	NW NW
20 S	11 E	WM	17	SW NW
20 S	11 E	WM	17	SE NW
20 S	11 E	WM	18	NE NE
20 S	11 E	WM	18	SE NE

Measurement, Recording and Reporting Conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the meter in good working order.
- B. The permittee shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.
- C. The permittee shall allow the watermaster access to the meter; provided however, where any meter is located within a private structure, the watermaster shall request access upon reasonable notice.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

The permittee shall submit a Water Management and Conservation Plan, addressing use under this permit, consistent with OAR 690-086 within five years of permit issuance, or before use of the second increment of water development occurs, whichever is sooner. The Director may approve an extension of this time line to complete the required Water Management and Conservation Plan. No water may be diverted if a Water Management and Conservation Plan is not submitted according to the time lines described in this condition, unless such an extension has been approved. The time line for submittal of a plan under this permit does not alter the time lines for submittal of said plan under any other order of the Department.

Ground Water Mitigation Conditions:

1. Mitigation Obligation: 716.0 acre-feet of mitigation water in the Upper Deschutes Zone of Impact.
2. Mitigation Source: Mitigation Credits or a Mitigation Project, in accordance with the incremental development plan on file with the Department, meeting the requirements of OAR Chapter 690, Division 505.
3. Mitigation water must be legally protected instream in the Upper Deschutes Zone of Impact for the life of the permit and subsequent certificate(s). Regulation of the use and/or cancellation of the permit, or subsequent certificate(s) will occur if the required mitigation is not maintained.
4. The permittee shall provide additional mitigation if the Department determines that average annual consumptive use of the subject appropriation has increased beyond the originally mitigated amount.
5. If mitigation is from a secondary right for stored water from a storage project not owned or operated by the permittee, the use of water under this right is subject to the maintenance and terms and conditions of a valid contract or satisfactory replacement, with the owner/operator of the storage project, a copy of which must be on file in the records of the Water Resources Department.
6. Failure to comply with these mitigation conditions shall result in the Department regulating the ground water permit, or subsequent certificate(s), proposing to deny any permit extension application for the ground water permit, and proposing to cancel the ground water permit, or subsequent certificate(s).

Scenic Waterway Condition:

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right, or as those quantities may be reduced subsequently. However, the use of ground water allowed under the terms of this permit will not be subject to regulation for Scenic Waterway flows, provided the required mitigation is maintained.

STANDARD CONDITIONS

1. Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.
2. If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.
3. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
4. The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.
5. Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.
6. Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.
7. This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best-practice technologies or conservation practices to achieve this end.
8. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged comprehensive land-use plan.
9. Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.
10. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

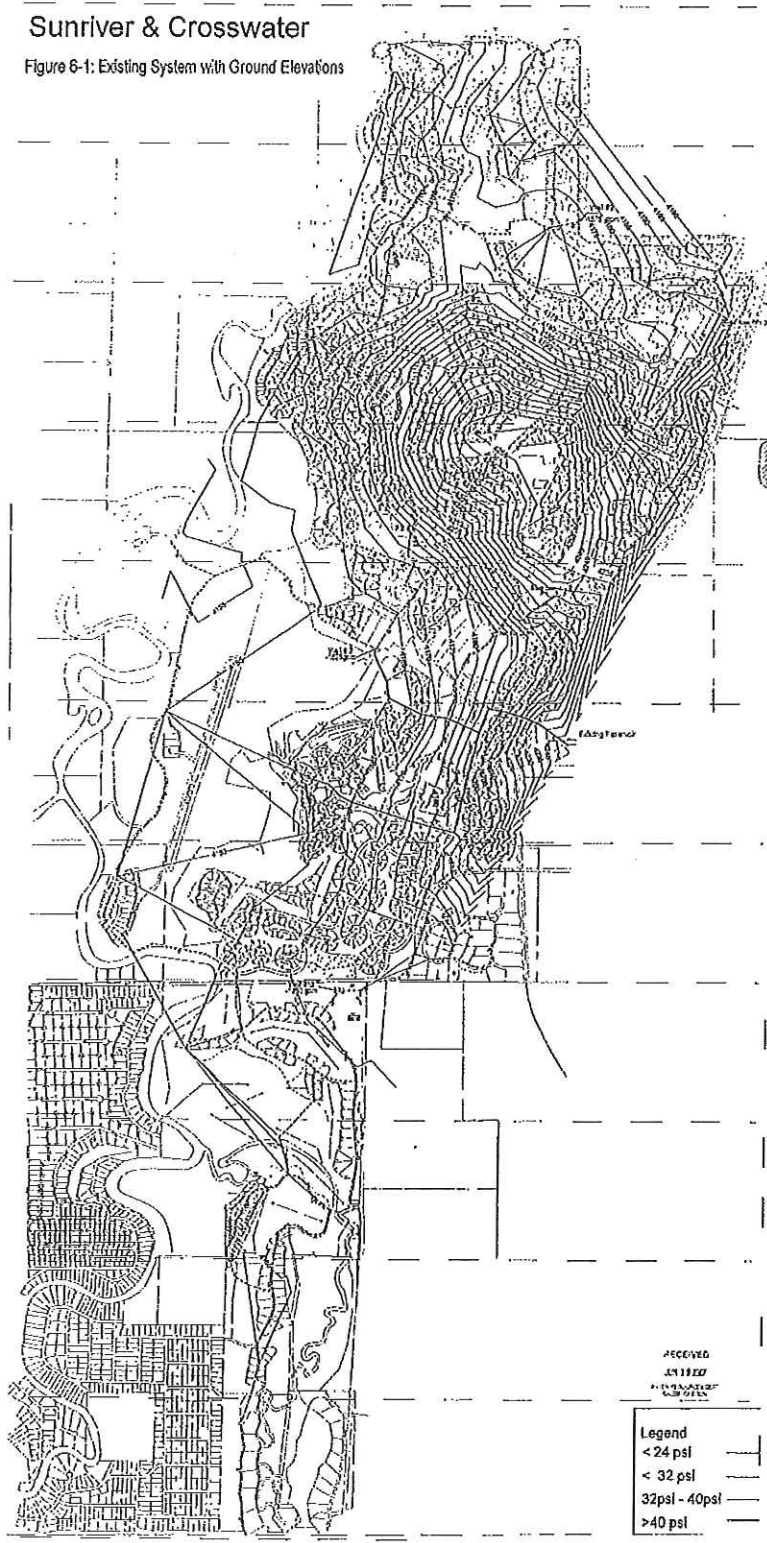
Issued

DRAFT

for Phillip C. Ward, Director
Water Resources Department

Sunriver & Crosswater

Figure 6-1: Existing System with Ground Elevations



STATE OF OREGON

COUNTY OF DESCHUTES

ORDER APPROVING A CHANGE IN POINT OF APPROPRIATION

Pursuant to ORS 537.211, after notice was given and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-8841 submitted by

SUNRIVER LP, TERRY PENHOLLOW
P.O. BOX 3699
SUNRIVER, OREGON 97707.

The permit to be modified is Permit G-13326 with a date of priority of MAY 23, 1997. The permit allows the use of THREE WELLS, in the DESCHUTES RIVER BASIN, for IRRIGATION OF 134.1 ACRES FROM ALL THREE WELLS AND RECREATION (STREAM FLOW ENHANCEMENT) FROM WELLS GC8 AND GC9 ONLY. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 6.14 CUBIC FEET PER SECOND(CFS), BEING 0.81 CFS FROM EACH OF WELLS GC8 AND GC9 AND 0.09 CFS FROM WELL GC10 FOR IRRIGATION, NOT TO EXCEED A MAXIMUM CUMULATIVE TOTAL OF 1.68 CFS, 2.23 CFS FOR RECREATION FROM EACH OF WELLS GC8 AND GC9, if available at the original wells; SE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 32, T 19 S, R 11 E, W.M.; NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 5, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SECTION 6, T 20 S, R 11 E, W.M.; WELL GC10 - 1070 FEET NORTH AND 2010 FEET EAST; WELL GC8 - 320 FEET SOUTH AND 400 FEET EAST; BOTH FROM THE NE CORNER OF SECTION 6; WELL GC9 - 2060 FEET NORTH AND 230 FEET WEST FROM THE SE CORNER OF SECTION 6, or its equivalent in case of rotation, measured at the well.

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3.0 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

NE $\frac{1}{4}$ SW $\frac{1}{4}$ 0.3 ACRE
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 5.2 ACRES
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 12.0 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 3.7 ACRES
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 1.8 ACRES
SECTION 32

TOWNSHIP 19 SOUTH, RANGE 11 EAST, W.M.

NE $\frac{1}{4}$ NW $\frac{1}{4}$ 7.2 ACRES
NW $\frac{1}{4}$ NW $\frac{1}{4}$ 15.0 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 1.1 ACRES
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 6.1 ACRES
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 0.6 ACRE
SECTION 5

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 15.3 ACRES
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 0.6 ACRE
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 29.0 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 19.6 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 10.0 ACRES
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 6.5 ACRES
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 0.1 ACRE
SECTION 6

TOWNSHIP 20 SOUTH, RANGE 11 EAST, W.M.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the point of appropriation of GC10 to:

WELL GC17 (FORMERLY WELL GC8) - NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 5, T 20 S, R 11 E, W.M.; 320 FEET SOUTH AND 400 FEET EAST FROM THE NE CORNER OF SECTION 6.

WELL GC9 - NE $\frac{1}{4}$ SE $\frac{1}{4}$, SECTION 6, T 20 S, R 11 E, W.M.; 2060 FEET NORTH AND 230 FEET WEST FROM THE SE CORNER OF SECTION 6.

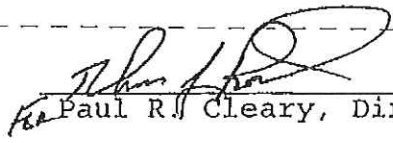
The applicant proposes to divide the authorized quantity of water allowed for Well GC10, 0.09 cubic foot per second(cfs), evenly between Wells GC17 and GC9, so that each well would be authorized 0.045 cfs from Well GC10.

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new points of appropriation (wells) shall not exceed the quantity of water lawfully available at the original point of appropriation and shall be further limited to 0.045 cubic foot per second from each of the proposed wells.
2. The water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
3. Water shall be acquired from the same aquifer as the original point of appropriation.
4. All other terms and conditions of the permit remain the same.

Permit G-13326, in the name of SUNRIVER LP, TERRY PENHOLLOW is amended as described herein.

WITNESS the signature of the Water Resources
Director, affixed JAN 14 2002.


Paul R. Cleary, Director

19/11-32 N
Dschute
Exhibit Staff/103
Yamada/175

GROUND WATER IN THE BEND AREA

C. Occurrence and Use of Ground Water

Well No. 12

Source of information: R. J. Strasser
Drilled for: Camp Abbott
Drilled by: R. J. Strasser
Date: January 1943
Location: Camp Abbott (Same as No. 11)
Elevation: Approximately 4200 feet above sea level
Total Depth: 312 feet
Casing 254' to 312' - 12" diameter
Aquifer: Sand and gravel
Yield: Ample

DRILLERS LOG

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	3	Top Soil
3	6	Sand, Clay
6	8	Clay
8	54	Sand and Gravel
54	63	Black lava
63	71	Gray lava
71	76	Sandy lava
76	85	Black lava
85	93	Gray sandy lava
93	95	Hard rock
95	97	Clay and gravel
97	108	Blue lava
108	111	Red clay
111	117	Black lava
117	120	Red lava, soft
120	131	Sandstone and black lava
131	135	Black lava
135	147	Blue lava
147	150	Sandy lava
150	165	Black lava
165	175	Clay and gravel
175	186	Lava, sandy
186	202	Black lava hard
202	207	Black lava soft
207	212	Black lava hard
212	213	Red clay
213	222	Black lava hard
222	231	Hard sand
231	240	Sand and lava
240	312	Sand and gravel

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 637.706)

APR 26 1985

DESC 5744

WATER RESOURCES DEPT

(for official use only)

(1) OWNER:

SALEM, OREGON

Name Sunriver Utilities Company
 Address Water Department
 City Sunriver State Oreg. 97707

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
 Rotary Mud Dig
 Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Community Thermal
 Irrigation Withdrawal ReInjection
 Other Piezometric Grounding Test

(5) CASING INSTALLED: Steel Plastic
 Threaded Welded
 1.4" Diam. from +2 ft. to 170 ft. Gauge 250
 " Diam. from 161 ft. to 484 ft. Gauge 250

LINER INSTALLED: Steel Plastic
 Threaded Welded
 see above ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No
 Size of perforations 1/8 in. by 3 in.
 1850 perforations from 484 ft. to 384 ft.
 370 perforations from 364 ft. to 344 ft.
 370 perforations from 304 ft. to 284 ft.

(7) SCREENS:

by 3" Well screen installed? Yes No
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? Contractor
 1900 gal./min. with 93 ft. drawdown after 2 hrs.
 Air test gal./min. with drill stem at _____ ft. _____ hrs.
 Bailor test gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow g.p.m. _____
 Temperature of water 52* Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
 Well seal—Material used Portland Cement
 Well sealed from land surface to 55 ft.
 Diameter of well bore to bottom of seal 19 in.
 Diameter of well bore below seal 16 in.
 Amount of sealing material 70 sacks pounds
 How was cement grout placed? Pressure Grout
 Was pump installed? no Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County Deschutes SE 1/4 NE 1/4 of Section 29 of
 Township 19S Range 11E WM.
(Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL OF COMPLETED WELL:

Depth at which water was first found 35 ft.
 Static level 27 ft. below land surface. Date 7-25-85
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 8"
 Depth drilled 558 ft. Depth of completed well 558 ft.
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top-Soil	0	2	
Boulders & Clay	2	32	
Gravels (Black)	32	35	
Black Lava	35	42	
Broken Lava	42	50	
Black Lava	50	70	
Black Sand	70	83	
Red Lava	83	105	
Broken Black Lava	105	140	
Black Lava	140	148	
Red Clay & Rocks	148	160	
Black Gravels	160	170	
Black Lava	170	180	
Gray Lava	180	218	
Black Sand & Gravel	218	240	
Sand & Gravel-Yellow Clay	240	265	
Yellow Pumice	265	277	
Black Lava	277	291	
Broken Black Lava	291	298	
Mild Black Lava	298	330	
Red Cinders	330	340	

Date work started 5-4-85 /completed 7-25-85
 Date well drilling machine moved off of well 7-25 19 85

(unbonded) Water Well Constructor Certification (If applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
 (Signed) Earl Salas Date 8-6, 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMVEST
(number) (Surety Company Name)
 On behalf of Buckner Pump Service
(type or print name of Water Well Constructor)
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 (Signed) Robert Buckner
(Water Well Constructor)
 (Dated) 8-6-85

NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP 46866-600

RECEIVED

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 837.785)

AUG 23 1985

PLEASE TYPE or PRINT IN INK

WATER RESOURCES DEPT

(for official use only)

(1) OWNER: SALEM, OREGON
Name Sunriver Utilities Company
Address Water Department
City SunRiver State ORe. 9 7707

(2) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

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Rotary Mud Dug
Cable Hoist
(4) PROPOSED USE (check): Domestic Industrial Municipal
Irrigation Thermal Withdrawal ReInjection
Other Piezometric Grounding Test

(5) CASING INSTALLED: Steel Plastic
Threaded Welded
see pg. 1
Diam. from _____ ft. to _____ ft. Gauge _____
Diam. from _____ ft. to _____ ft. Gauge _____
LINER INSTALLED: Steel Plastic
Threaded Welded
see above
Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS: Perforated? Yes No
Size of perforations _____ in. by _____ in.
see pg. 1
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(7) SCREENS: Well screen installed? Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Contractor
Q: 1900 gal./min. with 93 ft. drawdown after 2 hrs.
Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
Ballor test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
Temperature of water 52* Depth artesian flow encountered _____ ft.

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Well seal—Material used Portland Cement
Well sealed from land surface to 55 ft.
Diameter of well bore to bottom of seal 19 in.
Diameter of well bore below seal 16 in.
Amount of sealing material 70 sucks pounds
How was cement grout placed? Pumped Down
Was pump installed? no Type _____ HP _____ Depth _____ ft.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of Water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:
County Deschutes SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 29 of
Township 19S Range 11E WM.
(Township is North or South) (Range is East or West)
Tax Lot _____ Lot _____ Block _____ Subdivision _____
MAILING ADDRESS OF WELL (or nearest address) _____

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Depth at which water was first found 35 ft.
Static level 27 ft. below land surface. Date 7-25-85
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing 8"
Depth drilled 558 ft. Depth of completed well 558 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Black Lava	340	347	
White Pumice	347	352	
Coarse Sand (Black)	352	357	
Black Lava	357	385	
Red Cinders & Clinkers	385	400	
Black Sand & Gravel	400	442	
Red Cinders	442	448	
Brown Sandstone	448	477	
Brown Sand	477	484	
Hard Basalt	484	487	
Broken, Decomposed Rock, W/B	487	489	
Hard Basalt	489	512	
Broken Rock/Cinder Gravels, W/	512	556	
Hard Basalt	556	558	

Date work started 5-4-85 /completed 7-25-85
Date well drilling machine moved off of well 7-25 19 85
(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Carl Saltsburg Date 8-6- 19 85

(bonded) Water Well Constructor Certification:
Bond 10596951 Issued by: AMWEST
(number) (Surety Company Name)
On behalf of Buckner Pump Service
(type or print name of Water Well Constructor)
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
[Signed] Robert Buckner
(Water Well Constructor)
(Dated) 8-6-85

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

8P*4686-690

STATE OF OREGON
WATER SUPPLY WELL REPORT
 (as required by ORS 537.765)

DESC 57644

WELL ID # L **84233** Exhibit Staff/103
 (START CARD) # **187106** Yamada/178

Instructions for completing this report are on the last page of this form

(1) OWNER: Well Number: #14
 Name Sunriver Water, L.L.C.
 Address P.O. Box 3699
 City Sunriver State OR Zip 97707

(2) TYPE OF WORK:
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 555 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount
Diameter	From	To	Material	From	To	sacks or pounds
26	0	34	Cement Slurry	0	34	132 sacks
21	34	177				
20	177	560				

How was seal placed: Method A B C D E
 Other
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 22in	+2	34	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 18in	0	495	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method Factory
 Screens Type Slotted Material Stainless

From	To	Slot size	Number	Diameter	Tel./pipe size	Casing	Liner
395	495	.093		18in	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>
495	555	.125		18in	Pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
2150	10.3	250	23 Hr.

Temperature of Water 48 Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Yes No
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Deschutes Latitude _____ Longitude _____
 Township 20S N or S. Range 11E E or W. of W.M.
 Section 5 NE 1/4 NE 1/4
 Tax lot 104 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 17901 South Century Dr., Sunriver, OR 97707

(10) STATIC WATER LEVEL:
122 ft. below land surface. Date 9/23/2006
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 157'

From	To	Estimated Flow Rate	SWL
157	560	3000+	122

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Compacted Backfill Large Rock	0	3	
Loose Pumice	3	15	
Black Sand	15	17	
Broken Gray Basalt	17	20	
Gray Basalt	20	23	
Gray & Brown Basalt	23	28	
Very Hard Gray Basalt	28	40	
Broken Gray Basalt	40	60	
Blue Gray Basalt	60	75	
Red Cinder	75	83	
Brown Sandstone	83	96	
Gray Basalt	96	105	
Brown & Gray Basalt	105	157	
Vesicular Basalt & Red Cinder WB	157	183	129
Brown Sandstone	183	187	129
Broken Brown & Red Basalt WB	187	218	129
Brown Sandstone	218	242	129
Hard Gray Basalt	242	248	129
Broken Fractured Gray & Red	248		
Basalt WB		259	129
Soft Red Basalt with Sandstone	259		
Lenses WB		292	129

Continued on next page
 Date started 4/28/2006 Completed 9/23/2006

(unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number _____
 Signed _____ Date _____

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1386
 Signed Robert Buckner Date 9/24/2006

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SEP 27 2006

STATE OF OREGON
WATER SUPPLY WELL REPORT

DESC 57644

WELL ID # L **84233** Exhibit Staff/103
 Yamada/179

(as required by ORS 537.765)
 Instructions for completing this report are on the last page of this form

(START CARD) # **187106**
 Page **2**

(1) OWNER: Well Number: **#14**
 Name **Sunriver Water, LLC.**
 Address **P.O. Box 3889**
 City **Sunriver** State **OR** Zip **97707**

(2) TYPE OF WORK:
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well _____ ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	

How was seal placed: Method A B C D E
 Other
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Baller Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem sit	Time

Temperature of Water _____ Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Top line Bottom line
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County **Deschutes** Latitude _____ Longitude _____
 Township **20S** N or S. Range **11E** E or W. of WM.
 Section **5** NE 1/4 **NE** 1/4
 Tax lot **101** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **17991 South Century Dr., Sunriver, OR 97707**

(10) STATIC WATER LEVEL:
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Blue Green Basalt with Tuff	202		
Lenses WB		347	129
Gray Vesicular Basalt WB	347	364	129
Hard Gray Broken Basalt with	364		
Cinder Lenses WB		398	129
Red Clinders WB	398	406	129
Soft Brown Sandstone with Pumice	406		
Lenses WB		502	129
Medium Hard Brown Basalt with	502		
Pumice & Tufted Ash Lenses WB		537	129
Multi Colored Basalt & Gravel	537		
Highly Porous WB		560	123
Bottom caved back to 540' prior to casing placement. Cleaned back to 555' & lowered casing and screen assembly accordingly.			
WESTERN WATER DEVELOPMENT			
P.O. Box 1670			
Redmond, OR 97756			

Date started **4/28/2006** Completed **9/23/2006**

(unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.
 Signed _____ WWC Number _____
 Date _____

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
 Signed **Robert Buckner** WWC Number **1385**
 Date **9/24/2006**

RECEIVED

SEP 27 2006

WATER RESOURCES DEPT
 SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)
(Do not write above this line)

RECEIVED
OCT 9 1969
STATE ENGINEER
SALEM, OREGON

State Well No. 20/11-69

State Permit No. _____

(1) OWNER:

Name _____

Address _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(6) CASING INSTALLED:

Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gage _____

_____ " Diam. from _____ ft. to _____ ft. Gage _____

_____ " Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:

Perforated? Yes No.

Type of perforator used _____

Size of perforations in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.

Static level _____ ft. below land surface Date _____

Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? _____

Wd: _____ gal./min. with _____ ft. drawdown after _____ hrs.

_____ " " " " " "

_____ " " " " " "

Ballor test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used _____

Depth of seal _____ ft.

Diameter of well bore to bottom of seal _____ in.

Were any loose strata cemented off? Yes No Depth _____

Was a drive shoe used? Yes No

Did any strata contain unusable water? Yes No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? Yes No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:

County _____

Driller's well number _____

_____ 1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	S.W.L.
Lava, brown, porous	125	133	
Lava, clay	133	138	
Clay, brown	138	141	
Lava, fractured	141	143	
Lava, grey, dense	143	148	
Lava, red	148	150	
Lava, red, fractured	150	152	
Lava, red porous	152	159	
Lava, grey dense	159	163	
Clay brown	163	167	
Lava, grey	167	172	
Lava, grey porous	172	175	
Lava, grey	175	182	
Lava, porous, clay	182	184	
Lava, grey & black, clay	184	190	
Clay, grey	190	191	
Lava, grey fran.	191	202	
Lava, grey	202	215	
Lava, grey porous	215	220	
Clay, light brn.	220	221	
Lava, brn, porous	221	225	

Work started _____ 19 _____ Completed _____ 19 _____

Date well drilling machine moved off of well _____ 19 _____

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____ 19 _____

(Drilling Machine Operator)

Drilling Machine Operator's License No. _____

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME _____

(Person, firm or corporation)

(Type or print)

Address _____

[Signed] _____

(Water Well Contractor)

Contractor's License No. _____ Date _____ 19 _____

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

RECEIVED RECEIVED 209/11E/184
 DESC 8484
 DEC 27 1993 JAN - 7 1994
 Page 1 of 2
 WATER RESOURCES DEPARTMENT (START CARD) # 35362 P 6-11578
 Exhibit Staff 103 Yamada 183
 Well # 12

(1) OWNER: SALEM, OREGON
 Name Sunriver Utilities Well Number
 Address P.O. Box 3699
 City Sunriver State OR Zip 97707

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 307 ft.
 Explosives used Yes No Type Amount

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
24	0	82	Cement	0	82	9 yards
19	82	307				243 sacks

How was seal placed: Method A B C D E
 Other

Backfill placed from ___ ft. to ___ ft. Material
 Gravel placed from ___ ft. to ___ ft. Size of gravel

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing	20	+1	82	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner	16	+2.5	307	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
 Perforations Method Machine
 Screens Type Material

From	To	Slot size	Number	Diameter	Tele/plpe size	Casing	Liner
207.5	307.5	1/8x	36080	16		<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
unmeasurable			1 hr.

Temperature of Water 55 Depth Artesian Flow Found
 Was a water analysis done? Yes By whom
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
 Depth of strata:

(9) LOCATION OF WELL by legal description:
 County Deschutes Latitude Longitude
 Township 20 S N or S. Range 11 E B or W. WM.
 Section 8 NW 1/4 NW 1/4
 Tax Lot Unknown Lot Block Subdivision
 Street Address of Well (or nearest address) Intersection of Spring River Road & Huntington

(10) STATIC WATER LEVEL:
 8.4 ft. below land surface. Date 12/9/93
 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
 Depth at which water was first found 4

From	To	Estimated Flow Rate	SWL
147	153	N/A	8.4
159	166	N/A	8.4
179	186	N/A	8.4
206	214	N/A	8.4

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Sandy dirt	0	2	
Sand and gravel	2	6	4
Silty clay green brown	6	20	
Silty sand black	20	32	4
Lava black broken	32	37	
Lava black very hard	37	50	
Lava green pourous	50	52	
Lava black hard	52	79	
Lava weathered with clay streaks	79	85	
Lava gray hard	85	92	
Lava red broken	92	99	
Lava brown medium	99	101	
Lava brown hard	101	112	
Lava brown and red broken	112	116	
Lava gray medium	116	131	
Lava gray hard	131	147	
Lava red fractured with clay WB	147	153	
Lava gray medium	153	159	
Lava red fractured pourous WB	159	166	
Lava gray medium	166	179	

CONTINUED

Date started _____ Completed _____
 (unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
 Signed *[Signature]* WWC Number 1523
 Date 12/16/93

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
 Signed *[Signature]* WWC Number 723
 Date 12/16/93

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.765)

Desc
8484

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205/11/93
 Exhibit Staff/103
 Yamada/84

JAN - 7 1994

(START CARD) # 35362

WATER RESOURCES DEPT.

(1) OWNER: Well Number _____
 Name Sunriver Utilities
 Address P.O. Box 3699
 City Sunriver State OR Zip 97707

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well _____ ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount sacks or pounds
Diameter	From To	Material	From To	

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shop(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of Water _____ Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Deschutes Latitude _____ Longitude _____
 Township 20 S N or S. Range 11 E E or W. WM.
 Section 8 NW 1/4 NW 1/4
 Tax Lot Unknown Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) Intersection of Spring River Road & Huntington

(10) STATIC WATER LEVEL:
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
249	307	N/A	8.4

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Lava red fractured porous	WB 179	186	
Lava gray medium hard	186	206	
Lava gray medium hard			
Lava green gray & red very broken porous	206		
		214	
Lava gray medium	214	219	
Lava red fractured	219	221	
Lava gray hard	221	234	
Lava gray fractured porous	234	249	
Pumice brown & gray	WB 249	307	

RECEIVED

DEC 27 1993

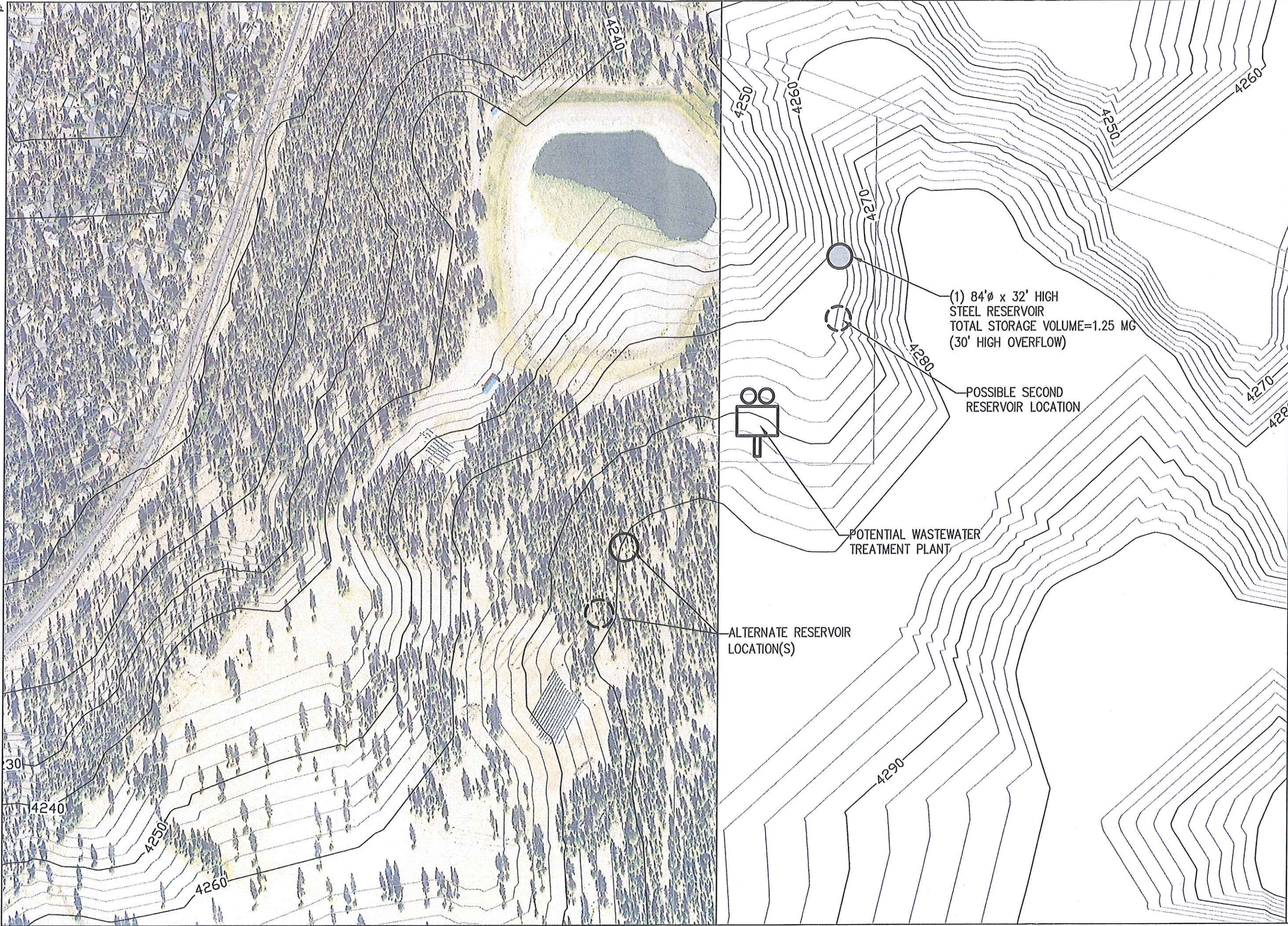
WATER RESOURCES DEPT.
 STATE OF OREGON

Date started 11/09/93 Completed 12/14/93

(unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
 Signed [Signature] WWC Number 1523
 Date 12/16/93

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
 Signed [Signature] WWC Number 723
 Date 12/16/93

APPENDIX G
FUTURE RESERVOIR SITE SCHEMATIC LAYOUT



REVISIONS		
NO.	DATE	REMARKS

SHEET INFO	
DESIGNED	DATE
MMB	9/8/2011
DRAWN	JEF
CHECKED	JEF
APPROVED	JEF
LAST EDIT	9/8/2011
PLOT DATE	9/8/2011
SUBMITTAL	

**PROPOSED FUTURE RESERVOIR SITE
 SCHEMATIC LAYOUT**
 SUNRIVER WATER, LLC
 WATER MASTERPLAN UPDATE
 PROJECT NUMBER 33683
 DRAWING FILE NAME 33683-LAND-RESERVOIR SITE EX
 SCALE 1"=300'



Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response


Request No.: UP 384 OPUC DR 11

11. Please provide Sunriver Water, LLC's most recent Master Plan.

a. Please describe how the proposed transaction will impact the Master Plan, including but not limited to the retention of Well #12, Well #4, and certain water rights by Sunriver Resort Limited Partnership.

Response:

- a. Please see UP 384 OPUC DR 11, Attachments 1, 2, and 3. Seller will retain Wells #12 and #4. Well #4 is inactive and has no associated water rights, so retention of that will have no impact. Well 12 and associated water rights to be retained by SRLP are for irrigation beneficial use only for Crosswater golf course and will not impact domestic water supplies. The remaining water rights are adequate to provide domestic water service to the current service territory. The proposed transaction is not anticipated to have any immediate impact on Sunriver Water's Master Plan, but NW Natural Water of Oregon will review and update the Master Plan after transaction closes.

 **NW Natural**
Rates & Regulatory Affairs
UP 384
Sunriver Water
Data Request Response

Request No.: UP 384 OPUC DR 28

28. Please identify all capital improvement projects that are planned for Sunriver Water, LLC under Northwest Natural Water of Oregon, LLC ownership. For each identified project, please provide:

- a. An explanation for why the project is necessary,
- b. The estimated cost of completing the project,
- c. An approximate date on which the project will commence,
- d. The estimated time it will take to complete the project, and
- e. A reference to a discussion of the project in Sunriver Water, LLC's Master Plan.

Response:

a-e. NW Natural Water of Oregon has reviewed Sunriver Resort's proposed 2019 capital expenditure plan for Sunriver Water, which is attached to UP 384 OPUC DR 30 CONFIDENTIAL ATTACHMENT 1. The 2019 plan appears reasonable, but NW Natural Water of Oregon will perform a more thorough review of the system after the transaction closes to establish our own views on the long-term capital plan for Sunriver Water.