EXHIBIT F

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2007

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2007

City of Hughson
Wastewater Treatment Facility
Hughson, Stanislaus County, California

Prepared for
City of Hughson
Department of Public Works
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TABLE OF CONTENTS

LIST OF TABLES

ATTACHMENTS

FIGURES

ATTACHMENT A

ATTACHMENT B

ATTACHMENT C

GROUNDWATER MONITORING REPORT
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City of Hughson
Wastewater Treatment Facility
Hughson, Stanislaus County, California

1.0 INTRODUCTION

The City of Hughson (City) Wastewater Treatment Facility (the Facility) is located approximately 4 miles east of the City of Modesto, near the southern bank of the Tuolumne River, in Section 33, T3S, R10E, Mount Diablo Baseline and Meridian, Stanislaus County, California (Figure 1).

The Facility receives domestic sewage from the City and one industrial discharger, Dairy Farmers of America, Inc. Current treatment of the sewage includes screening, grit removal, extended aeration, activated sludge treatment, secondary clarification, sludge drying, and chlorination of the treated effluent. The City has implemented a pre-treatment program for the industrial discharger to control shock loading of organic compounds.

Effluent from wastewater treatment at the Facility can be discharged to a total of nine percolation/evaporation ponds (Figure 2). Three ponds are located south of Leedom Road (Ponds 1, 2, and 3). Six ponds are located north of Leedom Road, four of which (Ponds 7, 8, 9, and 10) are within the 100-year floodplain. Ponds 5 and 6 have been removed from service due to potential slope stability issues. Pond 4 was removed from service as a result of recent plant upgrades. Ponds 1, 2, 3, and 7 are typically used for effluent percolation.

The Facility is regulated under Waste Discharge Requirements (WDRs) issued by the California Regional Water Quality Control Board, Central Valley Region (Regional Board) to assure that surface and groundwaters are not adversely impacted. The Facility's WDRs, *WDR Order No. 5-00-024,* were issued on January 28, 2000. The Regional Board also issued *Monitoring and Reporting Program* (MRP) *No. 5-00-024* at the same time. Water quality monitoring at the site is done to comply with a *Tentative Revised Monitoring Reporting Program* (TRMRP), issued by the Regional Board dated July 29, 2003.

This report is a quarterly summary of the surface and groundwater monitoring undertaken at the Facility in compliance with the TRMRP. Samples collected in the second quarter were analyzed for the quarterly constituent suite required in the MRP. This report presents the monitoring data for samples collected during the quarter. The report contains tabular, graphical, and narrative summaries of the groundwater monitoring data obtained at the Facility through the second quarter of 2007.

2.0 REGIONAL GEOLOGY AND HYDROGEOLOGY

The Facility lies near the western boundary of the Great Valley Geomorphic Province of California. The valley is approximately 400 miles long and averages about 50 miles wide, and comprises about 20,000 square miles. The valley has been filled with a thick sequence of marine and non-marine sediments from the late Jurassic to Holocene. The uppermost strata of the Great Valley represent, for the most part, the alluvial, flood, and delta plains of two major rivers (Sacramento and San Joaquin Rivers) and their tributaries.

The valley deposits are derived from rocks which outcrop in the Coast Ranges to the west and in the Sierra Nevada to the east. Granitic and metamorphic rocks outcrop along the eastern and southeastern flanks of the valley. Marine sedimentary rocks outcrop along most of the western, southwestern, southern, and southeastern flanks; and volcanic rocks and deposits outcrop along the northeastern flanks of the valley. The valley geomorphology includes dissected uplands, low alluvial plains and fans, river flood plains and channels, and overflow lands and lake bottoms. The majority of the native sediments near the site consist of Miocene to Holocene continental rocks and deposits of a heterogeneous mixture of generally poorly sorted clay, silt, sand, and gravel. Some beds of claystone, siltstone, sandstone, and conglomerate also are present. The California Division of Mines and Geology "Geologic Map of the San Francisco – San Jose Quadrangle," indicates that the site is underlain by Quaternary alluvial fan deposits.

The northernmost portion of the site is located in a meandering river valley located between terraces. The river valley generally trends from the east to the west. The majority of the Facility property is located on the terrace south of the river valley.

Based on the State of California, Department of Water Resources (DWR), San Joaquin District, "Lines of Equal Elevation in Water Wells, Unconfined Aquifer, San Joaquin Valley, Spring 2002 Groundwater Report," groundwater was shown to be approximately 60 to 70 feet below the regional grade of the upper monitoring well locations (located in the terrace area), and approximately 30 feet below the local ground surface of the lower monitoring well locations (located in the meandering river valley). Based on the groundwater elevation map prepared by DWR, the regional direction of groundwater flow is shown to be toward the Tuolumne River, or to the north-northwest.

3.0 SCOPE OF WORK

The TRMRP requires regular testing of groundwater, surface water, and treated effluent as well as quarterly reporting of test results and operational data. In early July 2006, the City contracted with Condor to undertake sample collection data review and reporting for the surface and groundwater monitoring program at the Facility.

All groundwater and surface water samples were collected following EPA recommended sampling procedures. Surface water samples were collected as grab samples. Wells were purged of three casing volumes prior to collecting groundwater samples. Dedicated submersible variable-speed pumps were used to purge and collect the samples at each monitor well. New disposable sampling gloves were used for collection of samples at each sample site. Samples were placed in pre-treated sample bottles supplied by the analytical laboratory, labeled, and were placed in an ice chest with Blue Ice® pending same day sample pickup by the laboratory. Sample bottles collected for metals analysis for groundwater samples were either field-filtered or were filtered in the laboratory using a 45 micron filter prior to preserving with nitric acid and analysis by the laboratory, and, therefore, laboratory results reflect dissolved metals. Surface water samples are not filtered; therefore, their analyses are indicative of total metals. Laboratory analyses were done by GeoAnalytical Laboratories of Modesto, California, a California certified analytical laboratory. Coliform analyses including analyses for Escherichia Coliform (E. coli) and Fecal Streptococcus were done at JL Analytical Services, Inc. of Modesto, California.

3.1 GROUNDWATER MONITORING NETWORK

The groundwater monitoring network at the Facility consists of nine monitor wells designated MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10. The well collar at MW-1 has been damaged and is no longer accessible for sampling. Monitor wells MW-2 and MW-3 (lower monitor wells) are located on the northern portion of the site, near wastewater ponds 7 through 10. Monitor wells MW-4,

MW-5, MW-6, MW-7, and MW-8 (upper monitor wells) are located on the southern portion of the site near wastewater ponds 1 through 4 (Figure 2). Monitor well MW-9 is located directly upgradient and functions as a background monitoring well for the northern monitor wells. Monitor well MW-10 was installed to be a background well for the southern monitor wells. MW-10 is located in the historical upgradient direction of the southern monitor wells. Monitoring data for MW-9 and MW-10 are included with the upper monitor wells.

3.2 MONITORING CONSTITUENTS

The TRMRP requires sampling and analysis on a quarterly schedule. Monitoring parameters, sampling schedules, and analytical methods for the monitoring program at the Facility are listed in Table 1.

4.0 GROUNDWATER SAMPLING

Compliance samples for the second quarter 2007 were collected from eight of the nine monitor wells (MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, and MW-10) in mid-April. Due to pump problems, a sample from MW-6 could not be obtained this quarter. The collar at MW-3 was damaged by earthmoving equipment prior to the collection of the February 2006 sample.

The depth-to-groundwater was measured at each monitoring well prior to purging and sampling. The volume of water present in each monitor well was calculated. Except for MW-8, where the recharge is very slow, a minimum of three well casing volumes was purged from each monitoring well using dedicated pumps. Following the site-specific Sampling and Analysis Plan (SAP), MW-8 is purged completely and allowed to recover for 24 hours prior to collection of samples for laboratory analysis. Groundwater sample logs for the groundwater parameters pH, EC, and temperature recorded during the purge and from the final well volume of each well are included in Attachment B. Purge water from the monitoring wells was discharged to the percolation pond embankments. On April 18, 2007, the Facility staff reported that no wastewater had been routed to the upper percolation ponds 1, 2, and 3 since January 16, 2007. Historically, wastewater effluent has been discharged evenly between ponds 1, 2, 3, and 7. Ponds 1, 2, and 3 were reported to be dry at the time the second quarter 2007 samples were collected.

5.0 MONITORING RESULTS

5.1 GROUNDWATER GRADIENT AND FLOW

Static water levels were measured at all accessible monitor wells and piezometers prior to collection of samples in April 2007. Measured water levels are shown in Table 2. Figure 3 is a hydrograph of static water levels in the monitor wells. Figure 4 is a contour map showing the potentiometric surface of the groundwater. The groundwater contour map was prepared using a krigging interpretation using the Surfer® contouring program. To create the map, all static water level measurements from the monitor wells were used as well as the water elevations in the gaining Tuolumne River.

Groundwater levels in the monitor well adjacent to the upper percolations ponds dropped on the order of 17 feet from that measured in first quarter 2007. The lower groundwater elevation in these well is a direct result of the lack of recharge from the upper percolation ponds. These ponds were taken off-line for maintenance in January 2007 and remained off-line at the time of the second quarter sampling event. Groundwater gradients in the terrace area appear to range from 0.005 to 0.021 ft/ft radially away from the percolation ponds (ponds 1, 2, and 3). The steepest gradients are toward the Tuolumne River to the north and northwest of the ponds. The groundwater gradient in the river valley where the lower percolation ponds (ponds 5, 6, 7, and 8) are located is approximately 0.01 ft/ft toward the north-northwest.

5.2 GROUNDWATER ANALYSES

Compliance samples were collected from eight of the nine active monitor wells at the facility and analyzed for the quarterly analytical suite in the second quarter of 2007. Results of the field measurements and laboratory analyses for samples collected in the second quarter are tabulated in Table 3. Historical water-quality monitoring data collected at the monitor wells are tabulated in Attachment A. Field forms with recorded field measurements including pre-sampling purge data are included in Attachment B. Laboratory analytical reports are included in Attachment C. Time-series charts of monitoring parameters are plotted on Figures 4 through 11.

5.2.1 Upper Monitor Wells – MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10

California Primary Drinking Water Standards – Maximum Contaminant Levels (MCLs) are set to protect against public health threats. The MCL for nitrate-N is 10 mg/l. Second quarter samples collected from the background monitor wells MW-9 and MW-10 contained nitrate-N concentrations exceeding the MCL of 10 mg/l. MW-9 is located south and upgradient of the lower percolation ponds and had a nitrate-N concentration of 14.4 mg/l. MW-10 is 2,100 feet south of the ponds in the historical upgradient direction and had a nitrate-N concentration of 55.3 mg/l. Well MW-8, also located in the historical upgradient direction, contained nitrate-N concentrations of 6.18 mg/l, below the MCL. Nitrate-N concentrations in the upper wells located adjacent to the percolation ponds (MW-4, -5, -6, and -7) ranged from 1.69 mg/l at well MW-5 to 6.1 mg/l in the sample collected at MW-7.

Nitrate concentrations at MW-9 began increasing in early 2006 and have exceeded the primary MCL since April 2006. It is possible that the higher nitrate levels observed this quarter are influenced by lack of irrigation recharge from low-nitrate irrigation waters. Localized recharge from low-TDS irrigation waters appears to have a large influence over the groundwater chemistry at MW-9.

Positive results (i.e., analyses exceeding the detection limit) for any coliform organisms indicate an exceedance of the Primary MCL. Total coliform organisms (TCO) were reported to be present at the upper monitor wells MW-4, -5, and -7 (21, 2, and >1600 MPN/100 ml, respectively). Figure 7 is a time-series chart of TCO reported in groundwater samples collected from wells at the Facility. Because of the ease of introducing contamination, it is possible that some of the coliform organisms reported historically at these wells may have been introduced during well installation or sampling. To minimize sample handling and the chances for introducing coliform during sampling episodes, dedicated pumps were installed at these wells prior to collection of the August 2005 samples.

California Secondary Drinking Water Standards (Secondary DWS) are not based on public health concerns; rather, they are set because the constituents may adversely affect the taste, odor, or appearance of drinking water. Second quarter samples from monitor wells MW-8 and MW-10 had total dissolved solids (TDS) above the recommended Secondary DWS of 500 mg/l. Figure 6 is a time-series plot of the TDS. TDS concentrations ranged from 356 mg/l at MW-9 to 1,400 mg/l at MW-10. The TDS concentrations in the second quarter are generally consistent with historical TDS concentrations; however, the times-series chart indicates there may be a general declining trend for TDS at all the upper wells except MW-10 since late 2004. The TDS concentration at MW-10 was significantly higher than at the compliance wells located adjacent to the upper percolation ponds. Specific conductivity measurements at MW-8, and MW-10 (1,050 and 2,223 µS, respectively) also exceeded recommended Secondary DWS of 900 µS in the second quarter.

Trihalomethanes (THMs), primarily chloroform, are generated by a reaction between chlorine and organic matter. THMs were non-detect in the samples collected from all the upper wells in the second quarter. Low

concentrations of THMs have been reported at the older terrace wells since early 2003. The lack of THMs this quarter is likely an effect of the lack of percolation recharge from the off-line upper percolation ponds. Figure 8 is a time-series chart of the total THMs reported in groundwater at the facility.

Groundwater at MW-10, the new monitor well south of the facility, is of poorer quality than any of the other monitor wells at the site as indicated by the relatively high TDS concentration of 1,400 mg/l reported in the second quarter sample. This well exceeded the Primary MCL for nitrate with concentrations more than three times the nitrate concentration reported at any of the upper wells. Secondary DWS were exceeded for TDS and EC. The concentrations of sodium, calcium, bicarbonate, and sulfate at MW-10 are also noticeably higher than at all other monitor wells at the site. The only other monitor well located south of the site, MW-8, was also reported to have higher concentrations of sodium, bicarbonate, and sulfate as compared to those reported at the other upper monitor wells.

5.2.2 Lower Wells MW-1, MW-2, and MW-3

The well collar at MW-1 has been damaged and this well is inaccessible for sampling or water level measurements. The upper monitor well MW-9, installed in July 2005, is located directly upgradient of the lower compliance wells MW-2 and MW-3 and is intended to function as a replacement well for the former upgradient monitor well MW-1.

No TCO was reported at either MW-2 or MW-3 in the second quarter. Historically, TCO has been detected at MW-3 in excess of the 2.2 MPN/100 ml MCL in most samples collected since April of 2004.

TDS, specific conductivity, iron, and manganese exceeded the Secondary DWS at MW-3 in the second quarter. Iron and manganese also exceeded the Secondary DWS at MW-2 with a concentration of 7.6 and 0.84 mg/l, respectively. These results are consistent with historical measurements.

All other monitoring parameters at the two lower monitor wells were below MCLs and Secondary DWS. The concentrations of nitrogen compounds at MW-2 and MW-3 remained low in the second quarter 2007 samples. Nitrate-N at MW-2 was <0.25 mg/l, TKN was 1.79 mg/l, and ammonia-N was 1.29 mg/l. Nitrate-N at MW-3 was <0.25 mg/l, TKN was 1.96 mg/l, and ammonia was 1.06 mg/l.

5.3 SPRING SITE

On April 18, 2007, field parameters were measured from the spring located on the southern bank of the Tuolumne River, approximately 1,000 feet north of the northwest corner of the upper percolation pond 3. Past water quality measured at the spring suggests that this water is a mix of groundwater similar to that identified at monitor wells MW-4, -5, -6, and -7 with other groundwater. The specific conductivity field measurement at the spring in the second quarter was 923 µS, which exceeds the Secondary DWS for specific conductivity.

5.4 SURFACE WATER SITES S-1 AND S-2

Condor collects quarterly samples from the Tuolumne River at the upstream sample site, S-1, and at the downstream sample site, S-2. The surface water samples are analyzed for the quarterly surface water monitoring suite as specified in the TRMRP. Results of the surface water samples collected in the second quarter 2007 are tabulated in Table 3.

TCO exceeded the MCL at both S-1 and S-2 in the second quarter samples and in all but one sample collected from the river since these analyses began in September 2005. Both fecal coliform organisms and E. coli were indicated to be present at S-1 and S-2 at 4 MPN/100 ml.

Laboratory measurements of pH in the river have, on occasion, fallen below the lower MCL of 6.5 SUs. During the second quarter 2007, the field pH at S-1 was measured to be 6.2 SUs and S-2 was measured to be 5.7 SUs. The only significant water quality differences noted between constituent concentrations reported in the upstream and the downstream site samples collected this quarter were higher readings of sodium in S-1 (8.1 mg/l compared to 6.4 mg/l in S-2) and sulfate in S-2 (6.3 mg/l compared to 3.75 mg/l in S-1).

5.5 QUALITY CONTROL AND QUALITY ASSURANCE (QA/QC)

The laboratory reports include Level II quality assurance/quality control (QA/QC) checks including method blanks, laboratory control blanks, laboratory control spikes, and matrix spikes and matrix spike duplicates. Surrogate recoveries are also reported for the trihalomethane analyses. In addition, the data are checked for cation-anion balances, major constituents are summed to compare with laboratory reported TDS, and EC concentrations are compared to TDS values as further QA/QC data check of the laboratory and field data.

QA/QC checks of the analytical data identified the following:

- Total cations and anions that balance within 5 percent indicate a good quality of laboratory analysis for normal groundwater samples. The cation-anion balances reported for groundwater samples collected in the second quarter met this goal, with the following exception: MW-10 a 7.7 percent difference.
- The ratio of laboratory reported TDS concentrations versus the TDS concentrations as calculated by summing all major constituents for groundwater analyses were acceptable.
- The laboratory reported the percent recovery of the matrix spike and the matrix spike duplicate for chloride and sulfate to be well above the laboratory goal for the second quarter analyses at MW-2, MW-3, MW-4, MW-5, and MW-9, and well below laboratory goal for molybdenum. The laboratory reported the percent recovery of the matrix spike for selenium to be below laboratory goal.
- The laboratory reported the percent recovery of the matrix spike and the matrix spike duplicate for chloride, nitrate, and sulfate to be well above laboratory goal for the second quarter samples at MW-7, MW-8, and MW-10 and well below laboratory goal for molybdenum. The laboratory reported the percent recovery of the matrix spike for selenium to be below laboratory goal.

6.0 DISCUSSION OF RESULTS

A groundwater mound is present under the upper percolation ponds. The groundwater mound appears to extend for a significant distance (up to 1,700 feet) radially around the upper percolation ponds. Groundwater gradients in the terrace areas appear to range from 0.013 to 0.035 ft/ft radially away from the percolation ponds. The steepest gradients are toward the Tuolumne River to the north and northwest of the ponds. The groundwater gradient in the lower river valley where the lower percolation ponds are located is approximately 0.003 ft/ft toward the north-northwest.

Plant staff and field observations taken by Condor's sampler indicate that all the wastewater ponds were dry with the exception of pond 7. The lack of recharge from the upper percolation ponds is reflected in a lowering of the groundwater potentiometric surface as shown on Figure 3 and Figure 4. The groundwater

elevation below these ponds dropped approximately 17 feet, from approximately 93 feet down to approximately 76 feet, between the first quarter 2007 and the second quarter 2007. Other effects of the lack of recharge from wastewater effluent on groundwater quality near the upper wastewater ponds are indicated by the fact that THMs were not detected at monitor wells MW-5, MW-7, and MW-9 this quarter.

Nitrate concentrations in the groundwater at MW-10 (located 1,700 feet south of the facility) are reported to be more than three times that reported in any of the other monitor wells. A large part of the recharge to MW-10 may come from groundwater to the south of the well and unimpacted by the Facility. The elevated nitrate observed at some of the wells near the wastewater percolation ponds may be, in-part, a result of naturally high background nitrate concentrations. Percolating effluent water from the Facility appears to be diluting the nitrate in groundwater beneath the percolation ponds. Nitrate concentrations in the wells near the upper percolation ponds declined substantially following the addition of a new nitrate treatment circuit at the wastewater treatment plant in the latter half of 2006. The lack of recharge from the upper percolation ponds appear to have resulted in slightly higher nitrate concentrations in MW-4 and MW-7 this quarter.

TCO was reported above the MDL in both surface water samples collected from the Tuolumne River, 80 MPN/100 ml and 130 MPN/100 ml, respectively. Fecal coliform and E. coli were also reported in surface water samples S-1 and S-2 above the MDL. In the second quarter TCO concentrations were reported at wells MW-4 and MW-7 at 21 MPN/100 ml and >1,600 MPN/100 ml, respectively. The August 2006 sample collected from MW-7 also reported nitrate concentrations of >1,600 MPN/100 ml.

Well MW-10 was completed in December 2005. This well is located 1,700 feet south of the Facility, the regional upgradient direction indicated by historical DWR water level data.[1] While the water levels in this well indicate that it is now downgradient of the upper percolation ponds, it is likely that historically, a large portion of the recharge to this well has come from upgradient sources to the south of the well. Samples collected at this well indicate groundwater of much poorer quality than observed at MW-8 or at the other wells located closer to the upper percolation ponds. TDS concentrations reported at MW-10 have ranged from 1,000 to 1,400 mg/l. The TDS of samples collected at MW-8 during this same period has ranged from 592 to 800 mg/l, and the highest TDS in any of the other monitor wells located near the upper percolation ponds has been 590 mg/l. Overall trends of the TDS concentrations of these monitor wells continue to show an overall decreasing trend. The average TDS of effluent water sent to the percolation ponds in 2004 was 589 mg/l. These data suggest that the percolation ponds recharge groundwater with water of lower TDS than was present beneath the Facility prior to startup of the wastewater treatment plant operations. The groundwater quality at MW-10 provides the best indication of background water quality. The groundwater at MW-8 appears to reflect a lower proportion of percolated effluent mixing with background groundwater than at the other monitor wells located closer to the upper percolation ponds.

7.0 RECOMMENDATIONS

Based on the data evaluated for this report, Condor makes the following recommendations:

- The well collar at MW-3 was damaged by earthmoving equipment in early February 2006. Prior to that time the surface seals at the well had been observed to be in poor condition with voids in the seal observed to extend to a least 5 or more feet below the ground surface. It is recommended that this well, as well as the previously damaged MW-1 be abandoned and destroyed in accordance

[1] California Department of Water Resources, San Joaquin District, Groundwater Basin Contour Maps, Website: *http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm*

with California Water Well Standards. If the use of the lower ponds is to continue at the facility, a new monitor well should be installed to replace MW-3.

- The dedicated pump in MW-6 failed and should be replaced before the next quarterly monitoring samples are collected.
- Continue quarterly compliance monitoring at all groundwater and surface water sites per the TRMRP and the constituent list in the Kleinfelder Workplan, as modified by the Condor letter to the Regional Board dated June 3, 2005.
- It was recommended in the fourth quarter reports that analysis for Title 22 organic compounds analytical methods with all non-detects reported in the annual effluent samples collected at the wastewater treatment plant in 2006 be identified. With Regional Board's concurrence, the groundwater monitoring schedule for the analytical methods with all ND's in the effluent should be reduced from annually to every 5 years.
- The City should submit a copy of this report to the Regional Board in accordance with the requirements of the TRMRP.

8.0 LIMITATIONS AND CERTIFICATION

Condor developed the interpretations and conclusions presented herein in accordance with generally accepted principles and practice at the time the work was performed. Subsurface investigation of any site is necessarily confined to selected locations and site conditions may change with time. Conditions may, and often do, vary between and around these locations. Should previously unrecognized conditions come to light during future investigation, additional testing or analysis may be required.

Condor has endeavored to determine as much as practical about the site using conventional practices given our scope of services. Conclusions presented in this report are professional opinions based on limited information obtained at the time of our site visits. Condor makes no representation as to the subsurface conditions at locations or times other than those sampled by our employees and reported in this document. If any changes are made or errors found in the information used for this report, the interpretations and conclusions contained herein shall not be considered valid unless the changes or errors are reviewed by Condor and either appropriately modified or re-approved in writing.

Condor's involvement in the work performed at this site has been limited to collecting and recording depth-to-water measurements and field parameters; collecting and shipping samples; compiling data provided by analytical laboratories; and interpreting field data. Historical data provided to Condor and utilized in this report were collected by others. Condor is not responsible for the accuracy and completeness of information collected and developed by others.

Regulations and professional standards applicable to Condor's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. Therefore, no warranty or guarantee, expressed or implied, will be included in Condor's scope of service.

During the course of the performance of Condor's services, hazardous materials may be discovered. Condor will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

Nothing contained in this scope of work should be construed or interpreted as requiring Condor to assume the status of an owner, operator, generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order.

The reviews and preparation of this monitoring report has been done by, or under the direct supervision of Robert D. Hoagland, a Professional Geologist registered in the State of California. All results are true and correct to the best of his knowledge. This report has been prepared at the request of the City of Hughson Department of Public Works. The contents of the report may not be used or relied upon by any other person(s) without the express written consent and authorization of the City of Hughson Department of Public Works and Condor Earth Technologies, Inc.

Respectfully submitted,

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TABLES

Table 1
WATER QUALITY MONITORING CONSTITUENTS

Constituent	***Quarterly***	***Annually***
Field Parameters[1]	X	X
Chemical Oxygen Demand (COD)	X	X
Total Coliform Organisms (TCO)	X	X
Fecal Coliform (analyzed if TCO is detected)	*	*
Fecal Streptococcus (analyzed if TCO is detected)	**	**
Escherichia Coliform (analyzed if TCO is detected)	**	**
Total Organic Carbon (TOC)	X	X
Ammonia as Nitrogen (Ammonia-N)	X	X
Nitrate as Nitrogen (Nitrate-N)	X	X
Total Kjeldhal Nitrogen (TKN)	X	X
Trihalomethanes <shortlist>	X	X
General Minerals [2]	X	X
Metals [3]	X	X
TITLE 22 CONSTIUENTS		
Secondary Drinking Water Parameters [4]		X
Inorganics [5]		X
Radioactivity		
Gross Alpha (Substitute for Individual Natural Components if <50pCi/l)		X
Organic Chemicals		
Semi-Volatile Organics		X
Chlorinated Herbicides		X
Phosphorus Containing Pesticides		X
PCBs		X
Carbamates		X
Fumigants (EDP, DBCP)		X
Glyphosate		X
Endothal		X
Diquat		X
Purgeable Halogenated & Aromatics/VOCs		X

[1] Field Parameters to include: Depth-to-groundwater, specific conductance, pH, temperature

[2] General Minerals Analysis to include: Sodium, Calcium, Magnesium, Potassium, Alkalinity, Carbonate, Bicarbonate, Chloride, Sulfate, Phosphorus(total) Iron, Manganese, Aluminum, Boron

[3] Metals analysis to include: Aluminum, Arsenic, Barium, Copper, Cadmium, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, and Zinc

[4] Secondary Drinking Water analysis to include: Aluminum, Color, Copper, Corrosivity, MBAS, Iron, Manganese, MTBE, Odor, Silver, Thiobencarb, Turbidity, Zinc, TDSEC, Chloride, Sulfate

[5] Inorganics Analysis to include: Aluminum, Antimony, Arsenic, Asbestos, Barium, Beryllium, Cadmium, Chromium, Cyanide, Fluoride, Mercury, Nickel, Nitrate, Nitrite, Selenium, and Thallium

* Fecal Coliform is to be analyzed every time that TCO is detected.

** E.Coli and Fecal Streptococcus are to be analyzed in first sample collected following a new detection of TCO at a sample site. Analyses for these two parameters will continue for a minimum of two sampling periods following the last detection of TCO at the sample site.

Table 2
Static Water Level Measurements
City of Hughson Wastewater Treatment Facility
Second Quarter 2007

Site	Date *mm/dd/yyyy*	Time *hhmm*	Elevation of MP *feet MSL*	Depth to Water *feet bmp*	SWL Elevation *feet MSL*
Monitor Wells					
MW-2	4/16/2007	12:45	75.01	26.80	48.21
MW-3	4/16/2007	12:34	72.31	24.72	47.59
MW-4	4/16/2007	12:10	123.07	46.40	76.67
MW-5	4/16/2007	12:03	122.14	45.59	76.55
MW-6	4/16/2007	11:49	132.48	58.27	74.21
MW-7	4/16/2007	13:29	122.86	50.74	72.12
MW-8	4/16/2007	11:40	129.80	53.71	76.09
MW-9	4/16/2007	13:25	121.10	49.98	71.12
MW-10	4/16/2007	13:35	126.95	68.64	58.31
Piezometers					
P-1	4/16/2007	13:08	103.28	41.89	61.39
P-2	4/16/2007	13:15	113.21	44.18	69.03
River Gage	4/16/2007	No SWL measurements taken.			
R-1 (Staff 1, highest)			50.69		
R-1 (Staff 2)			48.67		
R-1 (Staff 3)			47.31		
R-1 (Staff 4, lowest)			44.59		

MP = Measuring Point
feet bmp = Feet below the Measuring Point
feet MSL = Feet above Mean Sea Level, NAVD88 vertical datum
SWL = Static Water Level

Table 3
Water Quality Data
City Of Hughson WWTF, Stanislaus Co., CA
Second Quarter 2007 Analyses

Sample ID: / Sample Date:	Units	MCL [1]	MW-2 04/17/07	MW-3 04/17/07	MW-4 04/17/07	MW-5 04/17/07	MW-6 04/17/07	MW-7 04/18/07	MW-8 04/18/07	MW-9 04/17/07	MW-10 04/18/07	Spring 04/18/07	S-1 04/16/07	S-2 04/16/07
Depth to Water	*ft*		26.80	24.72	46.40	45.59	58.27	50.74	53.71	49.98	68.64			
Static Water Level	*ft MSL*		48.21	47.59	76.67	76.55	74.21	72.12	76.09	71.12	52.46			
Purge Volume	*gal*		5.25	4.54	30.75	27	4	12	1	8.25	3.25			
pH (Field)	*SU*	*6.5-8.5*	6.7	6.7	7.0	7.0	6.6	7.2	7.6	6.7	7.3	7.1	**6.2**	**5.7**
Specific Conductivity (Field)	*uS*	*900* [2]	679	**1132**	754	727		836	**1050**	564	**2223**	**923**	131	138
pH (Lab)	*SU*	*NA*	7.1	6.9	7.2	7.3		7.2	7.8	7.0	7.4		7.8	7.7
Specific Conductivity (Lab)	*uS*	*900* [2]	682	**1,170**	795	748		847	**1,020**	571	**2,190**		103	110
Total Dissolved Solids (TDS)	*mg/l*	*500* [2]	361	**701**	470	461		**506**	**595**	356	**1,400**		51	58
MBAS	*mg/l*	*0.5* [2]	-0.25	-0.25	-0.25	-0.25		-0.25	-0.25	-0.25	-0.25		-0.25	-0.25
Total Alkalinity (as CaCO3)	*mg/l*		163	360	220	205		230	326	150	688		32	34
Hydroxide Alk. (as CaCO3)	*mg/l*		-20	-20	-20	-20		-20	-20	-20	-20		-20	-20
Carbonate (as CaCO3)	*mg/l*		-20	-20	-20	-20		-20	-20	-20	-20		-20	-20
Bicarbonate (as CaCO3)	*mg/l*		163	360	220	205		230	326	150	688		32	34
Chloride	*mg/l*	*250* [2]	95.3	81.7	83.4	82.2		89.0	81.4	32.5	212		6.0	6.5
Sulfate	*mg/l*	*250* [2]	28.1	96	33.2	31.8		30.2	46.8	20.9	135		3.8	6.3
Nitrate (as N)	*mg/l*	*10*	-0.25	-0.25	3.16	1.69		6.1	6.18	**14.4**	**55.3**		0.39	0.94
Total Kejldahl Nitrogen (TKN)	*mg/l*		1.79	1.96	-1.0	-1.0		-1.0	-1.0	-1.0	-1.0		-1.0	-1.0
Ammonia (as N)	*mg/l*		1.29	1.06	-1.0	-1.0		-1.0	-1.0	-1.0	-1.0		-1.0	-1.0
Sodium	*mg/l*		103	172	117	119		132	186	61	310		8.1	6.4
Calcium	*mg/l*		15	31	21	24		22	17	33	134		7.8	7.3
Magnesium	*mg/l*		5.6	13	8.3	10		9.8	8.0	12	30		3.3	3.2
Potassium	*mg/l*		2.7	18	11	5.7		-1.0	2.0	2.3	2.1		2.0	1.9
Boron	*mg/l*		0.295	0.279	0.26	0.283		0.33	0.36	0.18	0.27		-0.10	-0.10
Iron	*mg/l*	*0.3* [2]	**7.6**	**0.36**	0.12	-0.10		-0.10	-0.10	-0.10	-0.10		-0.10	-0.10
Manganese	*mg/l*	*0.05* [2]	**0.84**	**0.86**	0.04	0.02		-0.02	**0.11**	-0.02	-0.02		-0.00001	0.03
Aluminum	*mg/l*	*1.0*	-0.05	-0.05	0.07	-0.05		-0.05	-0.05	-0.05	-0.05		-0.05	-0.05
Copper	*mg/l*	*1.3*	-0.05	-0.05	-0.05	-0.05		-0.05	-0.05	-0.05	-0.05		-0.05	-0.05
Zinc	*mg/l*	*5.0* [2]	-0.05	-0.05	-0.05	-0.05		-0.05	-0.05	-0.05	-0.05		-0.05	-0.05
Arsenic	*ug/l*	*50*	23	5	7.0	8.0		3.0	14.0	2.0	2.0			
Barium	*ug/l*	*1000*	109	145	96	147		40	116	79	327			
Cadmium	*ug/l*	*5.0*	-1.0	-1.0	-1.0	-1.0		-1.0	-1.0	-1.0	-1.0			
Chromium	*ug/l*	*50*	2.0	4.0	4.0	1.0		-1	1	2	22			
Lead	*ug/l*	*15*	-1.0	-1.0	-1.0	-1.0		-1.0	-1.0	-1.0	-1.0			
Mercury	*ug/l*	*2.0*	-1.0	-1.0	-1.0	-1.0		-1.0	-1.0	-1.0	-1.0			
Molybdenum	*ug/l*		10	13	-10	17		-10	30	-10	11			
Nickel	*ug/l*	*100*	3.0	7	6	5		4	5	2	2			
Selenium	*ug/l*	*50*	-1.0	-1.0	-1.0	1.0		-1.0	-1.0	-1.0	5.0			
Silver	*ug/l*	*100* [2]	-20.0	-20.0	-20.0	-20.0		-20.0	-20.0	-20.0	-20.0			
Phosphorous (as P)	*mg/l*		0.08	0.33	3.23	3.33		0.84	0.44	0.39	0.06		-0.05	0.27
Total Organic Carbon (TOC)	*mg/l*		3.04	3.44	1.6	1.8		1.42	4	1.1	2.3			
Chemical Oxygen Demand (COD)	*mg/l*		-20	-20	-20	-20		-20	-20	-20	-20			
Bromoform	*ug/l*	*100* [4]	-0.50	-0.50	-0.5	-0.50		-0.50	-0.50	-0.50	-0.50		-0.50	-0.50
Chloroform	*ug/l*	*100* [4]	-0.50	-0.50	0.5	-0.50		2.48	-0.50	1.85	-0.50		-0.50	-0.50
Bromodichloromethane	*ug/l*	*100* [4]	-0.50	-0.50	-0.5	-0.50		-0.50	-0.50	-0.50	-0.50		-0.50	-0.50
Dibromochloromethane	*ug/l*	*100* [4]	-0.50	-0.50	-0.5	-0.50		-0.50	-0.50	-0.50	-0.50		-0.50	-0.50
Total Trihalomethanes	*ug/l*	*100* [4]	-0.50	-0.50	-0.5	-0.50		-0.50	-0.50	-0.50	-0.50		-0.50	-0.50
Total Coliform Organisms	*MPN*	*2.2*	-2	-2	**21**	**2**		**1600**	-2	-2	-2		**80**	**130**
Fecal Coliform Organisms [3]	*MPN*	*2.2*	-2	-2	-2	-2		-2	-2	-2	-2		**4**	**4**
E Coli	*MPN*	*2.2*	-2	-2	-2	-2		-2	-2	-2	-2		**4**	**4**
Streptococcus	*MPN*	*2.2*	-2	-2	-2	-2		**170**	-2	-2	-2		**8**	**2**
Sodium Absorption Ratio(SAR)	*(none)*		6	6.5	5.5	5.2		5.9	9.3	2.3	6.3		0.6	0.5

Values shown in bold font indicate concentrations exceeding the MCL.

Shaded Cells indicate possible laboratory reporting errors.

A negative symbol should be read as "Less than the detection limit of …."

mg/l: milligrams per liter, ppm

µg/l: micrograms per liter, ppb

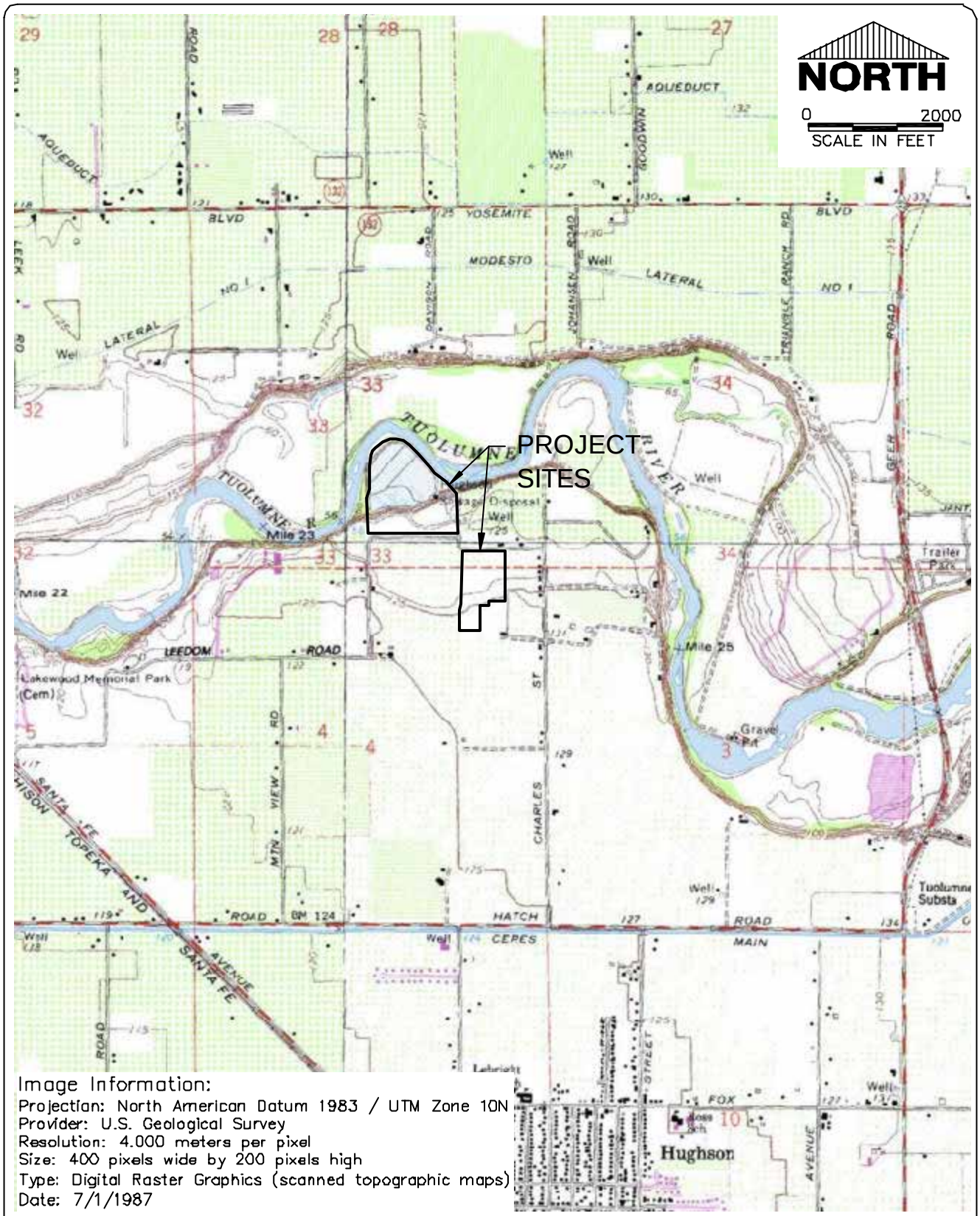
THMs: Trihalomethanes

MCL: Maximum Contaminant Level

* = CA DHS Drinking Water Action Level

Footnotes:
[1] California Primary Drinking Water Standard - Maximum Contaminant Level (unless noted otherwise)
[2] California Secondary Drinking Water Standard - Maximum Recommended Contaminant Level
[3] Fecal coliform is not analyzed when total coliform is non-detect. If total coliform is non-detect, the value listed for fecal coliform is non-detect.
[4] MCL is set for the sum of all trihalomethanes (chloroform + bromoform + bromodichloromethane + dibromochloromethane)
Q Qualified Data

FIGURES



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VICINITY MAP
WASTEWATER TREATMENT FACILITY
CITY OF HUGHSON
HUGHSON, CALIFORNIA

FIGURE 1

File No. 4685F1

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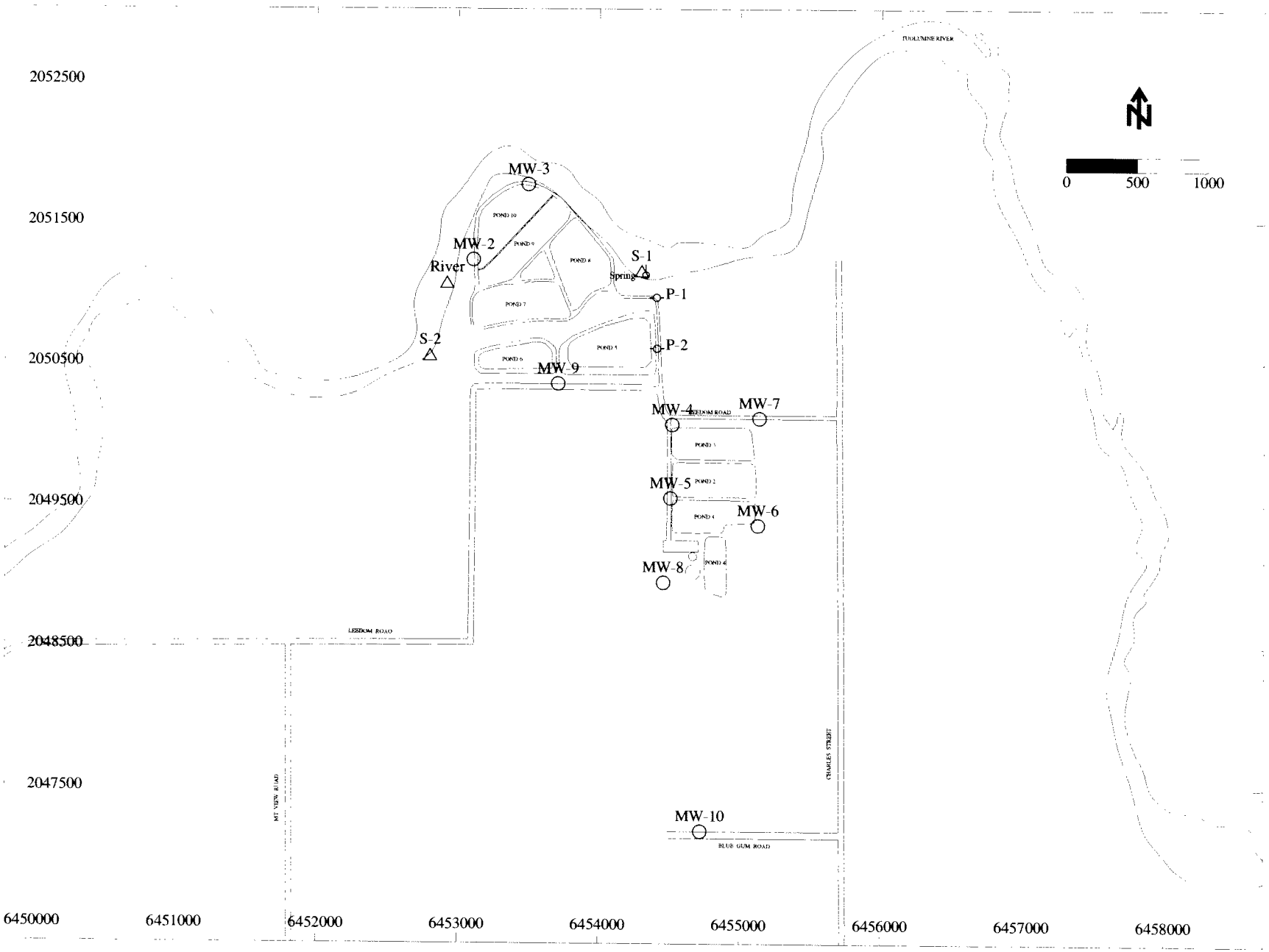
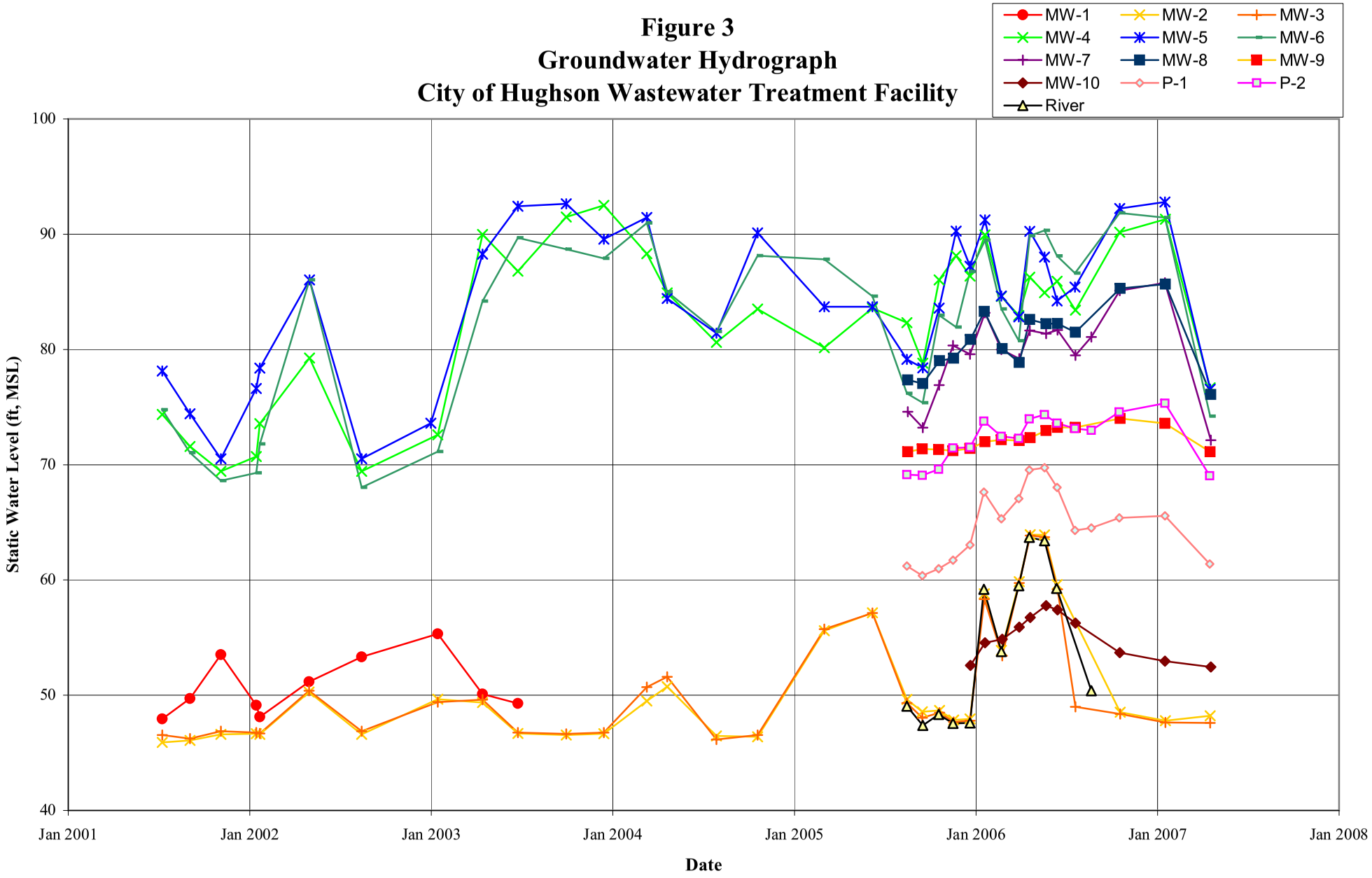


Location of Surface and Ground Water Monitor Sites
City of Hughson Wastewater Treatment Facility
Stanislaus County, CA

FIGURE 2

Figure 3
Groundwater Hydrograph
City of Hughson Wastewater Treatment Facility



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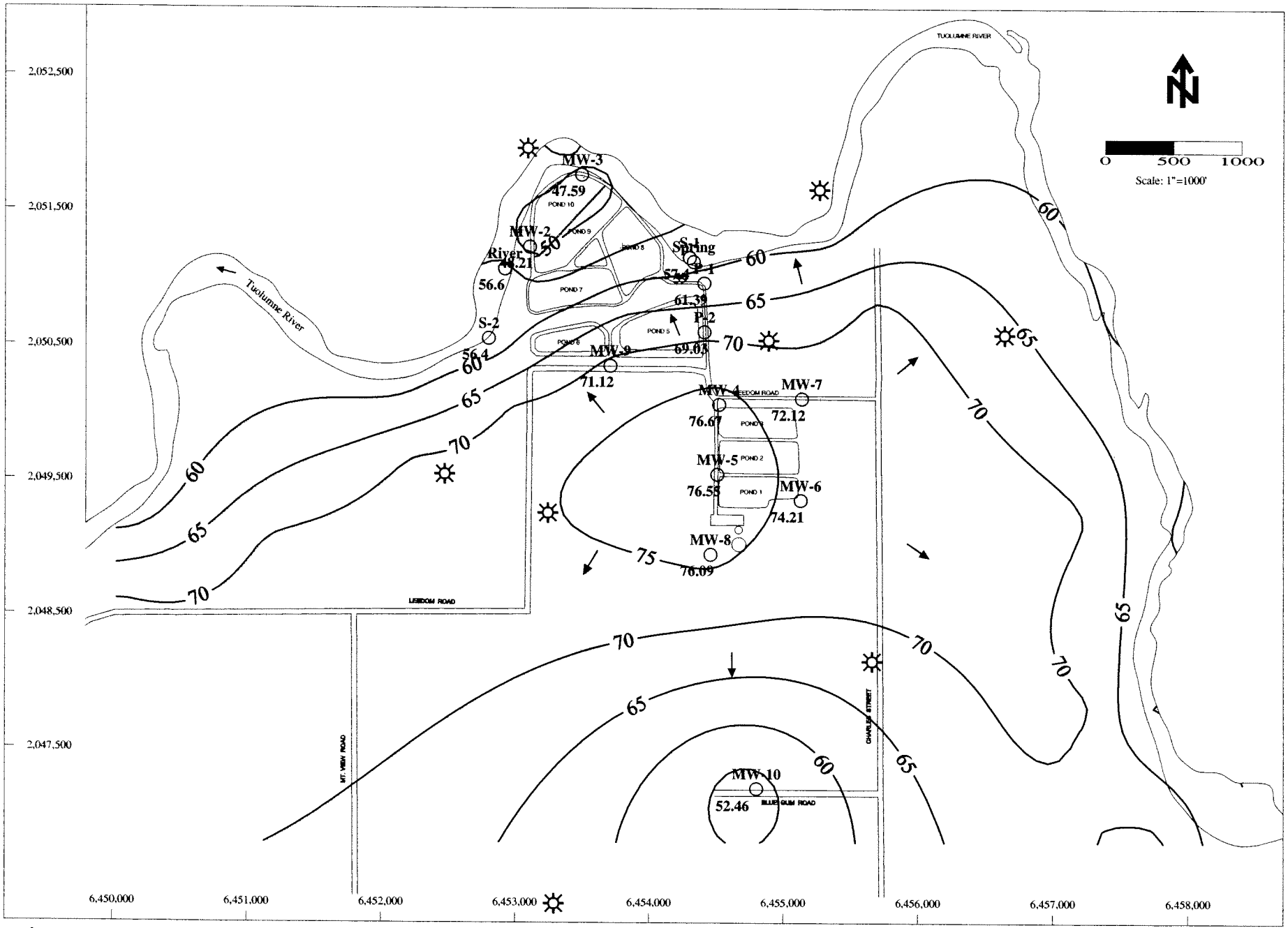

Probable Irrigation Well

Static Water Elevations
Ground Water Monitoring Data
April 16, 2007 - City of Hughson WWTF

Figure 4

Figure 5
Nitrate-N in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

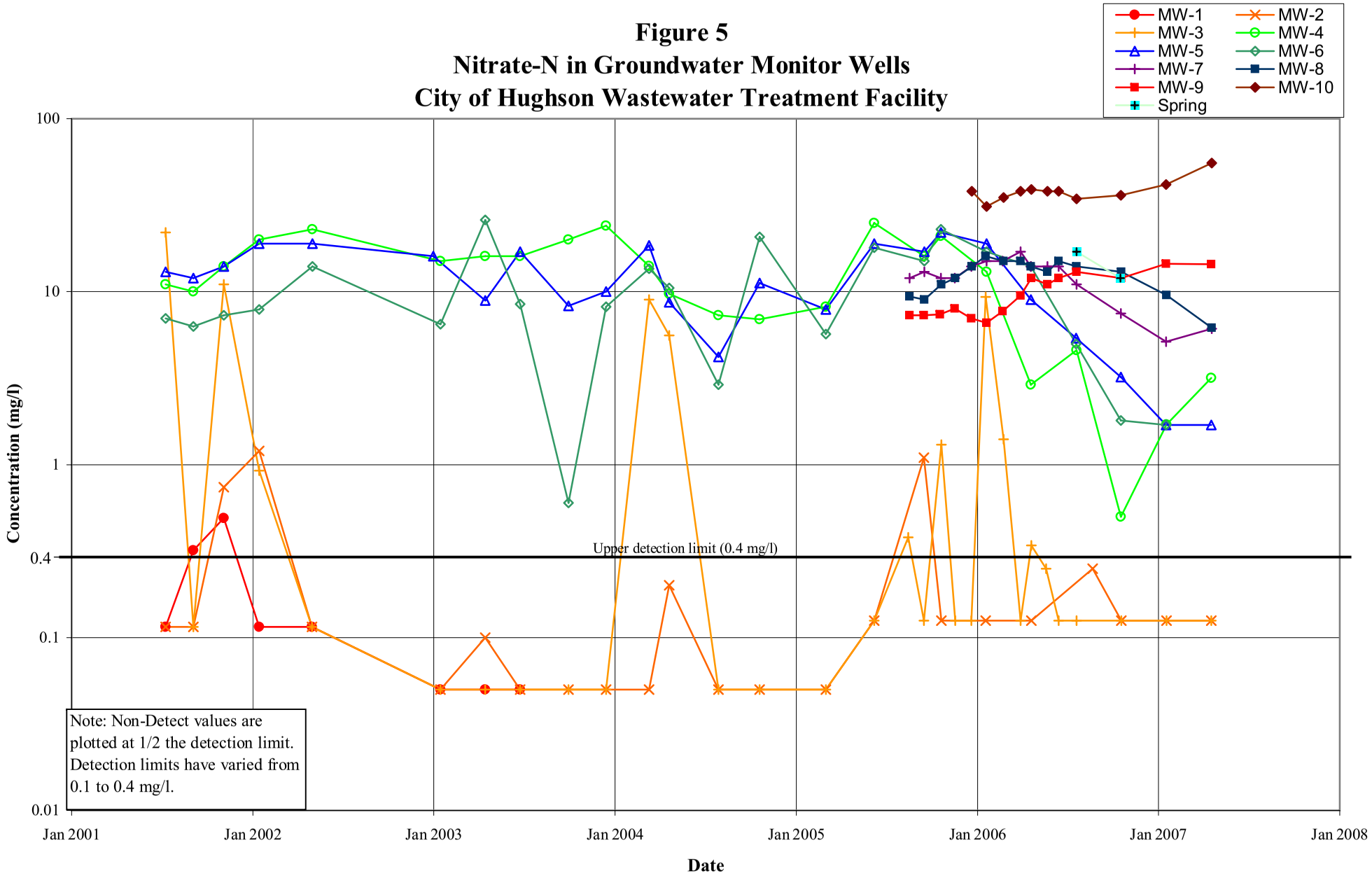

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Figure 6
TDS in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

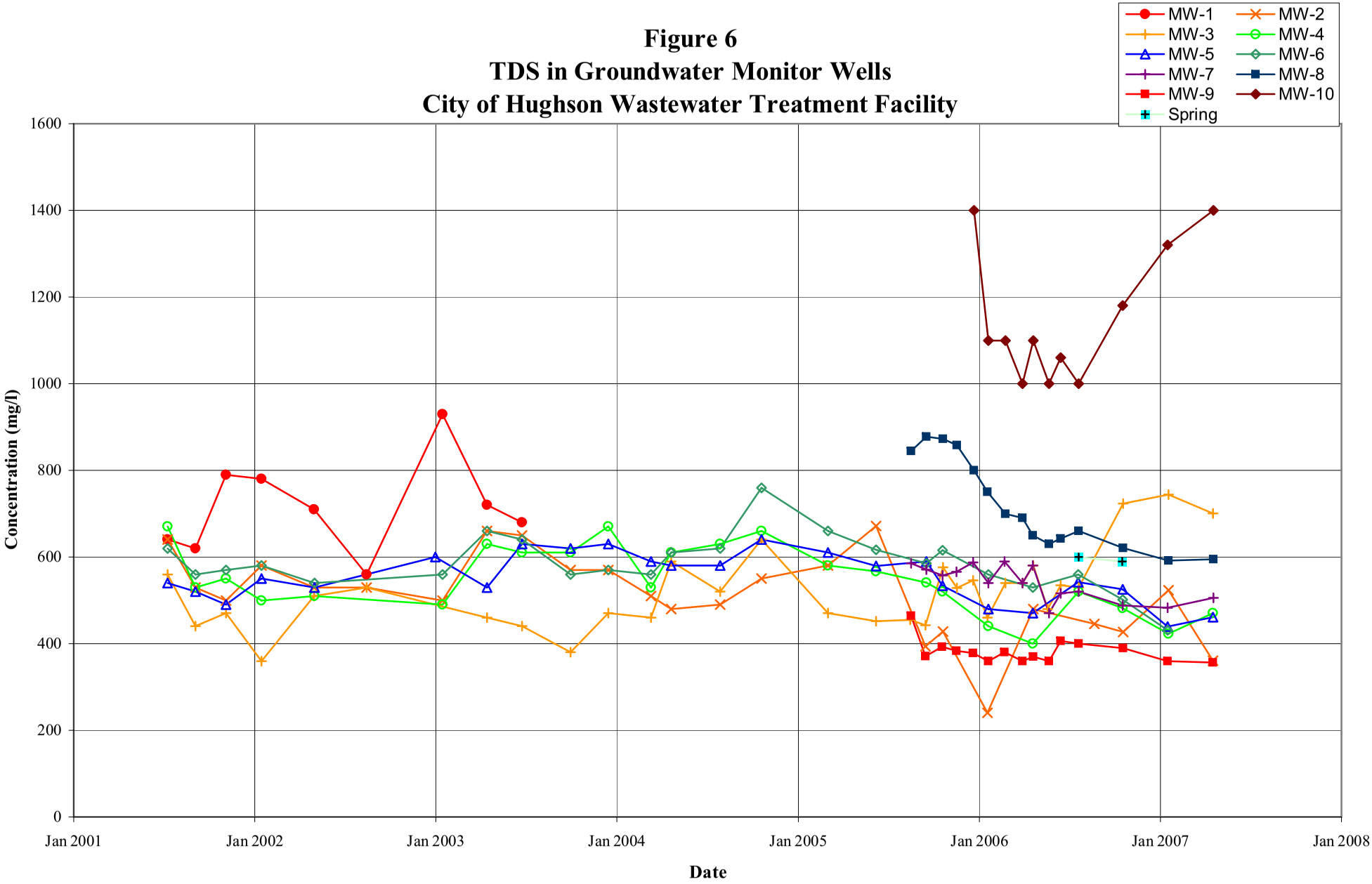

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Figure 7
Total Coliform Organisms in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

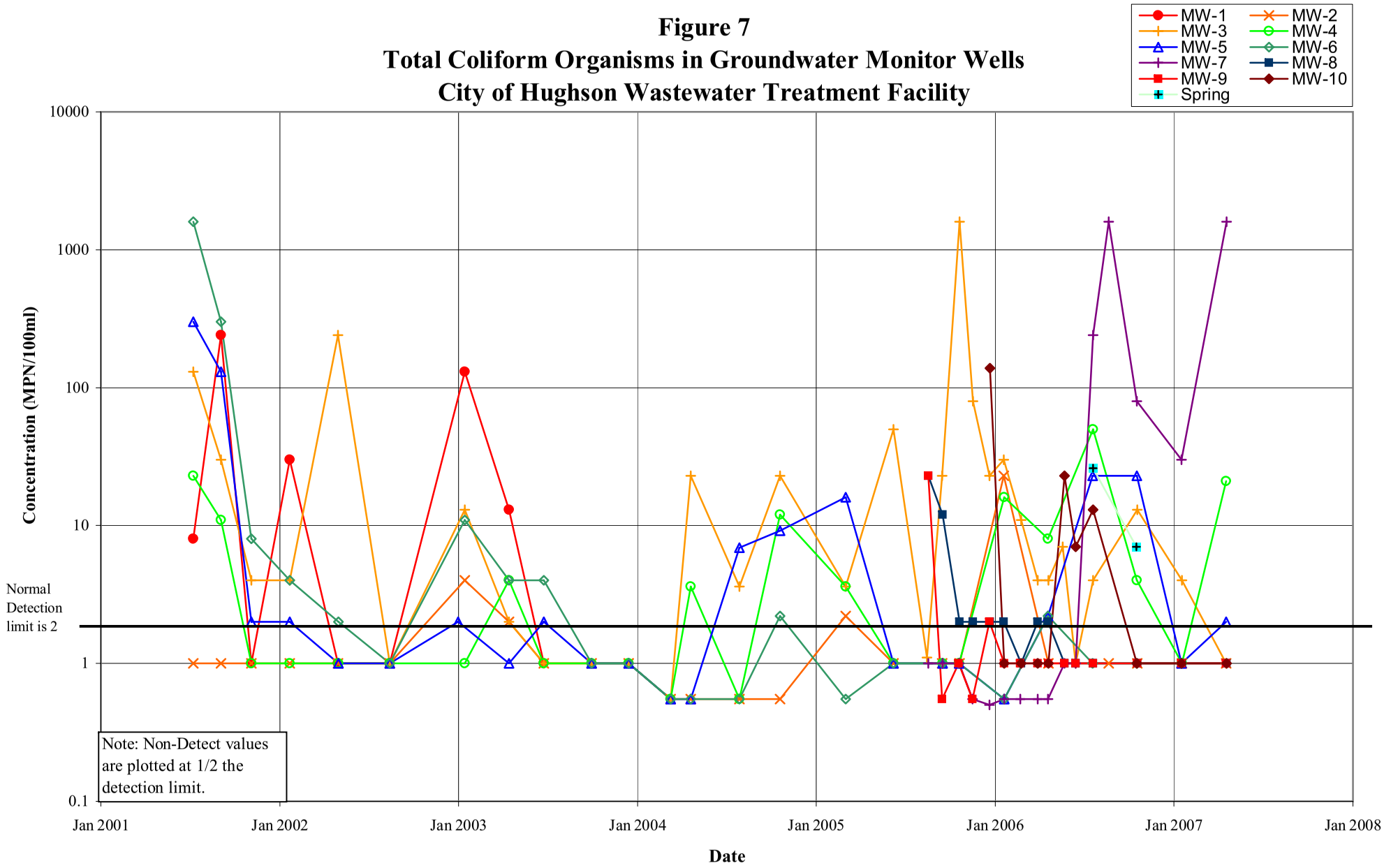

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Figure 8
Total Trihalomethanes in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

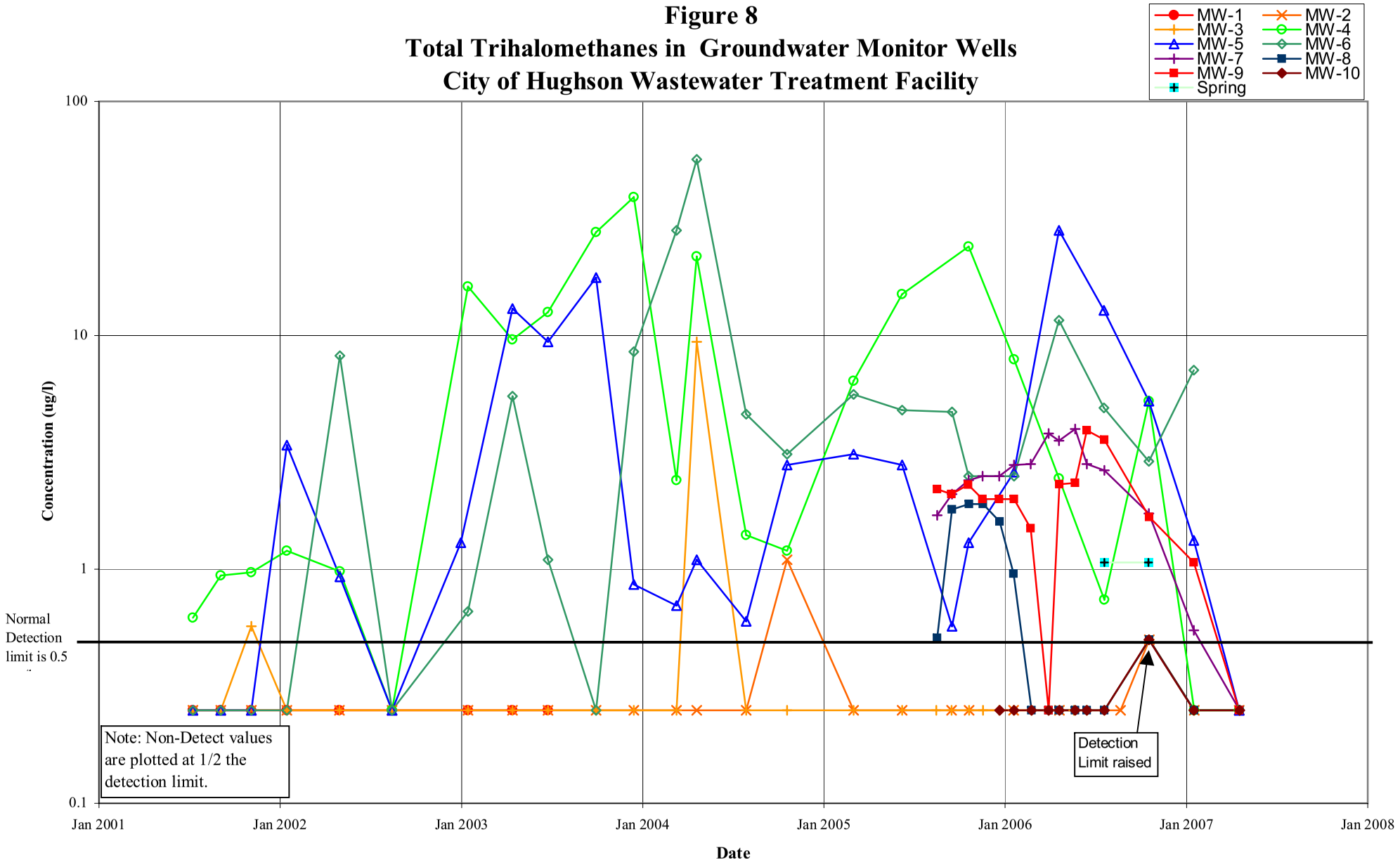

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Figure 9
pH in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

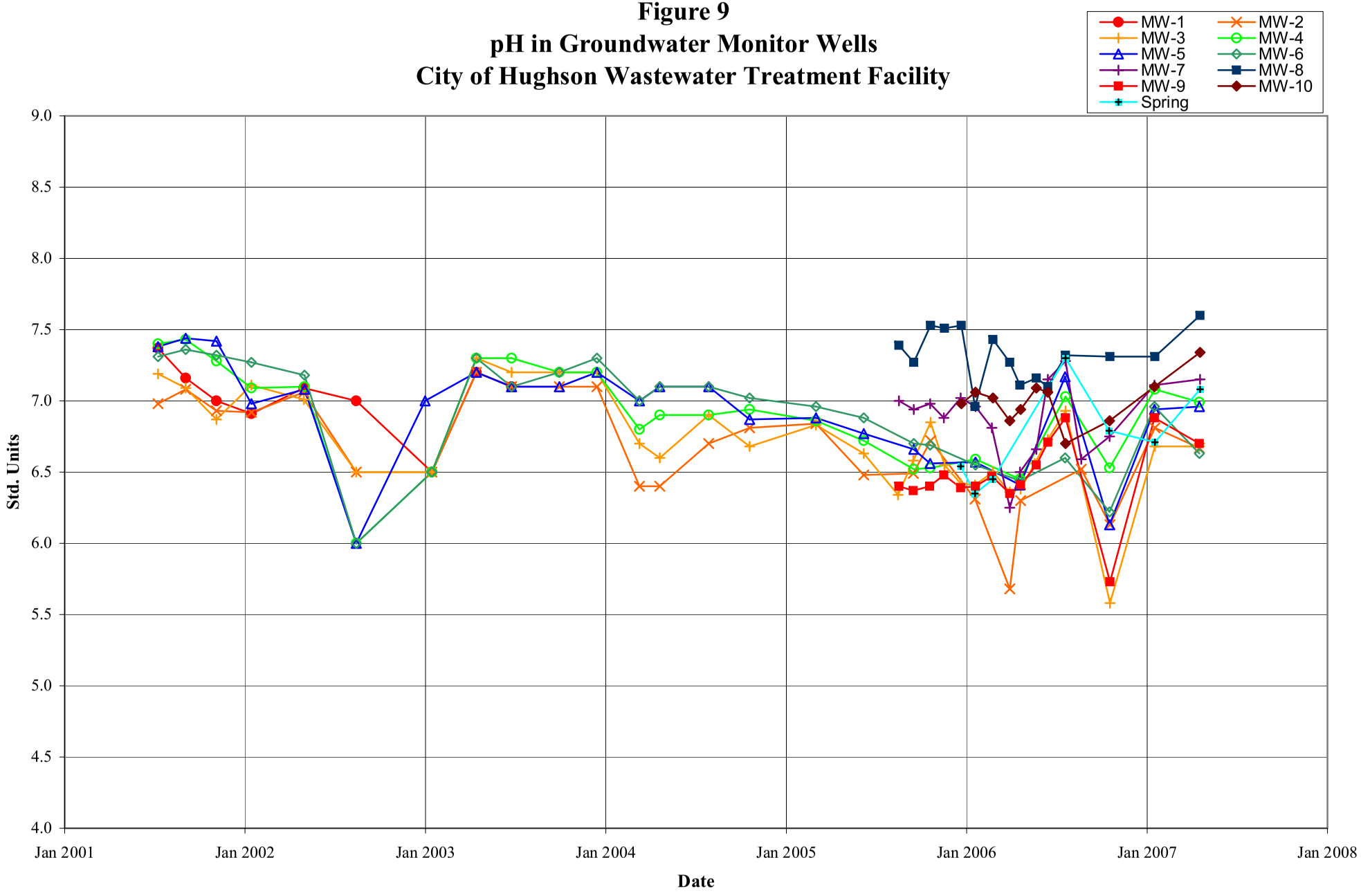

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Figure 10
Specific Conductivity in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility

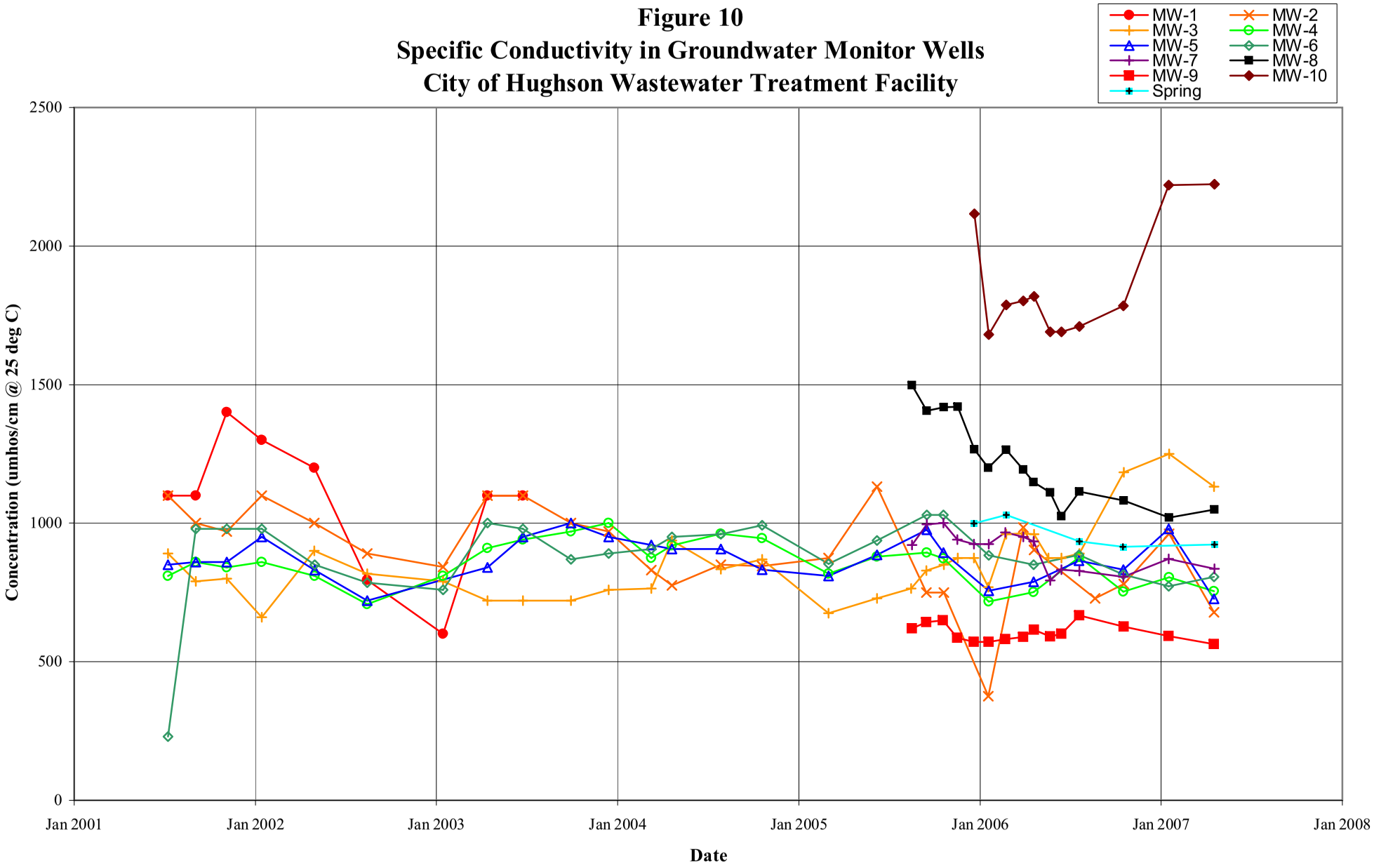

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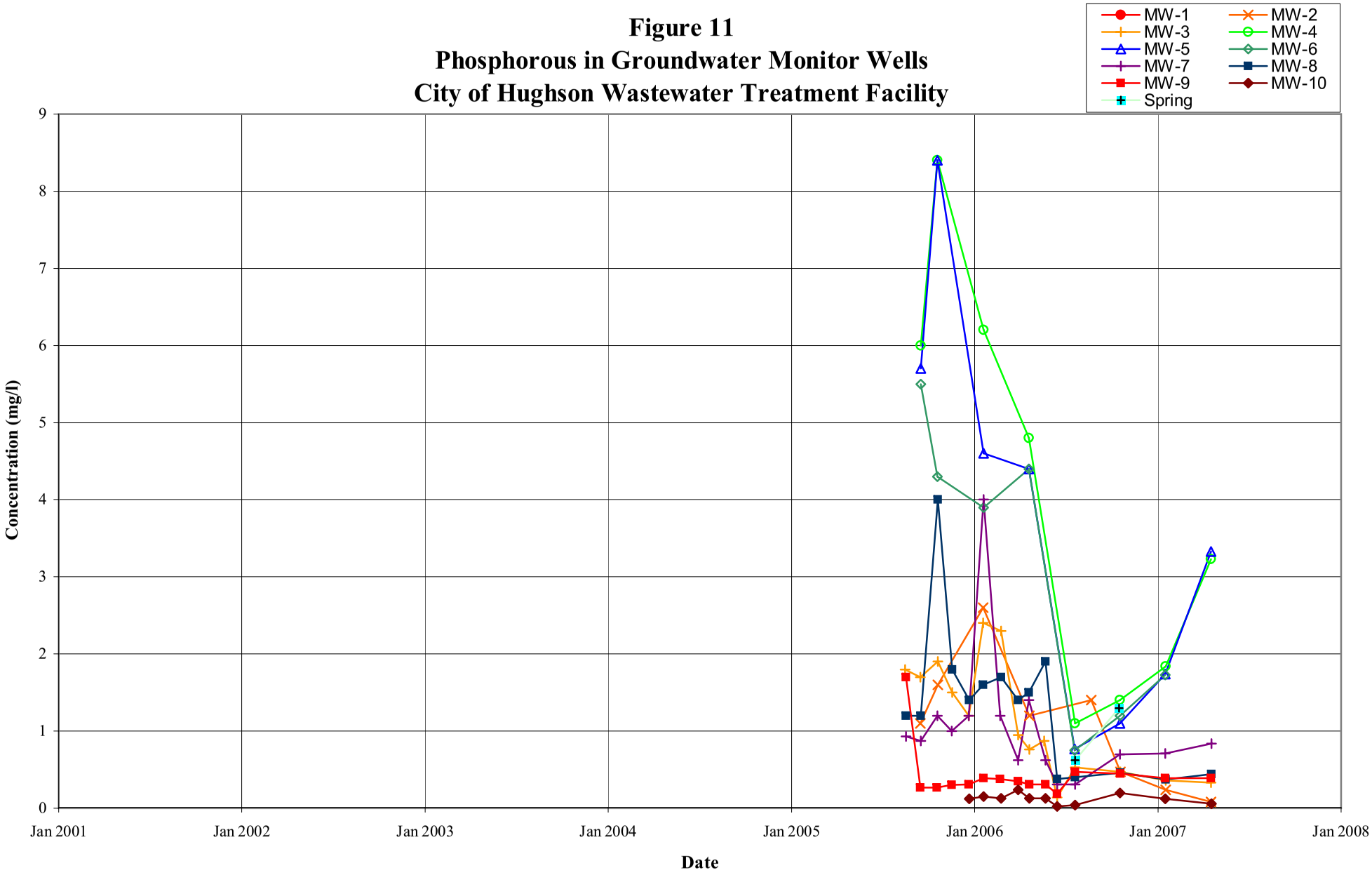
Figure 11
Phosphorous in Groundwater Monitor Wells
City of Hughson Wastewater Treatment Facility



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ATTACHMENT A
Water Quality Tabulations

Water Quality Database - Quarterly Monitoring Constituents - Hughson WWTF

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																					
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
Effluent	2004 Range									7.1-7.7	800-1,100	490-950								<2 - 110									
Effluent	2004 Avg									7.4	893	589								14.9									
Effluent	02/16/05									7.2	727			210	ND	ND	210	81	19				125	21	4	14		0.13	0.0175
Effluent	03/16/05									7.2	812	550								28.1	24		27						
MW-1	07/10/01	74.28	26.34	47.94				7.37	1100			640								-0.23									
MW-1	09/04/01	74.28	24.56	49.72				7.16	1100			620								0.32									
MW-1	11/05/01	74.28	20.76	53.52				7.00	1400			790								0.49									
MW-1	01/15/02	74.28	25.16	49.12				6.91	1300			780								-0.23									
MW-1	01/22/02	74.28	26.16	48.12																									
MW-1	05/01/02	74.28	23.12	51.16				7.09	1200			710								-0.23									
MW-1	08/15/02	74.28	20.96	53.32				7.0 [1]	795 [1]			560								4.7 Q									
MW-1	01/15/03	74.28	18.95	55.33				6.5 [1]	601 [1]			930								-0.1									
MW-1	04/15/03	74.28	24.17	50.11				7.2 [2]	1100 [2]			720								-0.1									
MW-1	06/25/03	74.28	24.99	49.29				7.1 [2]	1100 [2]			680								-0.1									
MW-2	07/10/01	74.54	28.63	45.91				6.98	1100			640								-0.23									
MW-2	09/04/01	74.54	28.46	46.08				7.08	1000			530								-0.23									
MW-2	11/05/01	74.54	27.93	46.61				6.93	970			500								0.74									
MW-2	01/15/02	74.54	27.87	46.67				6.92	1100			580								1.2									
MW-2	01/22/02	74.54	27.94	46.60																									
MW-2	05/01/02	74.54	24.27	50.27				7.06	1000			530								-0.23									
MW-2	08/15/02	74.54	27.93	46.61				6.5 [1]	891 [1]			530								4.6 Q									
MW-2	01/15/03	74.54	24.89	49.65				6.5 [1]	842 [1]			500								-0.1									
MW-2	04/15/03	74.54	25.17	49.37				7.2 [2]	1100 [2]			660								0.1									
MW-2	06/25/03	74.54	27.86	46.68				7.1 [2]	1100 [2]			650								-0.1									
MW-2	09/30/03	74.54	27.99	46.55				7.1 [2]	1000 [2]			570								-0.1									
MW-2	12/15/03	74.54	27.87	46.67				7.1 [2]	970 [2]			570								-0.1									
MW-2	03/10/04	74.54	25.04	49.50				6.4 [2]	831 [2]			510								-0.1									
MW-2	04/20/04	74.54	23.8	50.74				6.4 [2]	776 [2]			480								-0.4									
MW-2	07/28/04	74.54	28.08	46.46				6.7 [2]	850 [2]			490								-0.1									
MW-2	10/19/04	74.54	28.15	46.39	4.8	19.0		6.8	845	7.0	899	550								-0.1									
MW-2	03/02/05	74.54	18.95	55.59	9	20.7		6.8	874	7.3	944	580								-0.1									
MW-2	06/07/05	74.54	17.39	57.15	10.5	21.2	160	6.5	1132	6.8	1100	671								-0.25									
MW-2	08/15/05	75.01	25.38	49.63																									
MW-2	09/15/05	75.01	26.44	48.57	6	26.1		6.5	356 Q	6.8	749	394	-0.25	202	-20	-20	202	70	38	1.1	5.5	4.1	116	17	6.9	4.9	0.17	5.3	0.73
MW-2	10/20/05	75.01	26.32	48.69	6	25.3	13.2	6.7	749	6.3	771	428	-0.25	242	-20	-20	242	62	31	-0.25	5.3	5.3	117	19	7.2	4.6	0.35	0.16	0.41
MW-2	11/17/05	75.01	27.17	47.84																									
MW-2	12/20/05	75.01	27.06	47.95																									
MW-2	01/18/06	75.01	16.20	58.81	11	23.9	1.2	6.3	364 Q	6.9	376	240	-0.25	130	-20	-20	130	25	15	-0.25	2.1	1.79	65	6.4	2.4	4.7	0.16	0.98	0.22
MW-2	02/21/06	75.01	21.13	53.88																									
MW-2	03/29/06	75.01	15.16	59.85	0	21.6		5.7	984																				
MW-2	04/20/06	75.01	11.08	63.93	15	24.0	0.6	6.3	903	6.7	755	480	0.38	300	-20	-20	300	71	37	-0.25	3.7	2.2	140	17	6.7	3.1	0.23	5.38	0.73
MW-2	05/19/06	75.01	11.09	63.92																									
MW-2	06/13/06	75.01	15.41	59.60																									
MW-2	08/21/06	75.01	NR		6	20.0		6.5	728	7.1	742	446	0.55	236	-20	-20	236	75	29	0.25	2.3	3.4	126	14	5.8	3.7	0.34	0.12	0.5
MW-2	10/18/06	75.01	26.49	48.52	6	18.9		6.1	781	7.0	712	427	-0.25	233	-20	-20	233	75.0	24.0	-0.25	3.08	3.5	117	13	4.9	2	0.26	4.17	0.55
MW-2	01/17/07	75.01	27.23	47.78	5.25	18.8	2.03	6.81	547 Q	6.3	961	523	-0.25	284	-20	-20	284	75.9	36.5	-0.25	2.74	2.07	149	19.1	7.13	2.4	0.32	9.09	0.93
MW-2	04/17/07	75.01	26.8	48.21	5.25	15.4		6.67	679	7.1	682	361	-0.25	163	-20	-20	163	95.3	28.1	-0.25	1.79	1.29	103	15.0	5.60	2.7	0.295	7.6	0.84

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
Effluent	2004 Range																						2 ->16000					
Effluent	2004 Avg																						9550					
Effluent	02/16/05	1.10	0.017	0.19	12	46	ND	4	3.5	0.13	17	3	ND	ND	1.6			-0.5	-0.5	-0.5	-0.5	-0.5	8	-2				
Effluent	03/16/05																											
MW-1	07/10/01																	-0.5	-0.5	-0.5	-0.5	-0.5	8	-2				
MW-1	09/04/01																	-0.5	-0.5	-0.5	-0.5	-0.5	240	-2				
MW-1	11/05/01																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-1	01/15/02																	-0.5	-0.5	-0.5	-0.5	-0.5	lab error	lab error				
MW-1	01/22/02																						30	-2				Only TCO analyzed this date
MW-1	05/01/02																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-1	08/15/02																	ND	ND	ND	ND	ND	-2	NA				
MW-1	01/15/03																	ND	ND	ND	ND	ND	130	14				
MW-1	04/15/03																	ND	ND	ND	ND	ND	13	-2				
MW-1	06/25/03																	ND	ND	ND	ND	ND	-2	-2				Well no longer accessible
MW-2	07/10/01																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	09/04/01																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	11/05/01																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	01/15/02																	-0.5	-0.5	-0.5	-0.5	-0.5	lab error	lab error				
MW-2	01/22/02																						-2	-2				Only TCO analyzed this date
MW-2	05/01/02																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	08/15/02																	ND	ND	ND	ND	ND	-2	-2 [3]				
MW-2	01/15/03																	ND	ND	ND	ND	ND	4	-2				
MW-2	04/15/03																	ND	ND	ND	ND	ND	2	-2				
MW-2	06/25/03																	ND	ND	ND	ND	ND	-2	-2				
MW-2	09/30/03																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	12/15/03																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-2	03/10/04																	-0.5	-0.5	-0.5	-0.5	-0.5	-1.1	-1.1				
MW-2	04/20/04																	-0.5	-0.5	-0.5	-0.5	-0.5	-1.1	-1.1 [3]				
MW-2	07/28/04																	-0.5	-0.5	-0.5	-0.5	-0.5	-1.1	-1.1 [3]				
MW-2	10/19/04																	-0.5	1.1	-0.5	-0.5	1.1	-1.1	-1.1 [3]				
MW-2	03/02/05																	-0.5	-0.5	-0.5	-0.5	-0.5	2.2	-1.1				
MW-2	06/07/05																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2 [3]				Orange color, iron bacteria.?
MW-2	08/15/05																											DTW measurement only
MW-2	09/15/05	-0.10	-0.05	-0.05	45	143	-0.1	6.6	-1.0	-1.0	5.6	6.0	-1.0	-2.0	1.1	4.6	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2 [3]			6.0	Quarterly
MW-2	10/20/05	-0.10	-0.05	-0.05	54	140	-0.1	6.4	-1.0	-1.0	-10	5.0	-1.0	-2.0	1.6	3.9	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2 [3]			5.8	Annual
MW-2	11/17/05																											DTW measurement only
MW-2	12/20/05																											DTW measurement only
MW-2	01/18/06	-0.10	-0.05	-0.05	30	42	-0.1	2.0	7.0	-1.0	12	5.0	-1.0	-2.0	2.6	4.2	-20	-0.50	-0.50	-0.50	-0.50	-0.50	> 23		2.2		5.6	Quarterly
MW-2	02/21/06																											DTW/Field measurement only
MW-2	03/29/06																											Field Parameters only
MW-2	04/20/06	-0.10	-0.05	-0.05	40	144	-0.1	10.3	-1.0	-1.0	-10	7.1	-1.0	-2.0	1.2	3.6	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.3	Quarterly
MW-2	05/19/06																											DTW/Field measurement only
MW-2	06/13/06																											DTW/Field measurement only
MW-2	08/21/06	-0.10	-0.05	-0.05	28	99	-0.1	3.7	-1.0	-1.0	-10	10.4	-1.0	-2.0	1.4	4.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.1	Quarterly
MW-2	10/18/06	-0.10	-0.05	-0.05	33	115	-0.1	7.4	-1.0	-1.0	-10	13	-1.0	-2.0	0.47	3.5	-20	-1.00	-1.00	-1.00	-1.00	-1.00	-2	-2	-2	-2	7.0	Annual
MW-2	01/17/07	-0.10	-0.05	-0.05	18	65	-0.1	6	-1.0	-1.0	-10	7.6	2.3	-2.0	0.24	3.1	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.4	Quarterly
MW-2	04/17/07	-0.05	-0.05	-0.05	23	109	-1	2.0	-1.0	-1.0	10	3	-1.0	-20.0	0.08	3.04	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	5.8	Quarterly

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																				
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
MW-3	07/10/01	71.91	25.37	46.54				7.19	890			560								22										
MW-3	09/04/01	71.91	25.67	46.24				7.09	790			440								-0.23										
MW-3	11/05/01	71.91	25.03	46.88				6.87	800			470								11										
MW-3	01/15/02	71.91	25.16	46.75				7.11	660			360								0.92										
MW-3	01/22/02	71.91	25.22	46.69																										
MW-3	05/01/02	71.91	21.52	50.39				7.01	900			510								-0.23										
MW-3	08/15/02	71.91	25.03	46.88				6.5 [1]	818 [1]			530								4.3 Q										
MW-3	01/15/03	71.91	22.51	49.40				6.5 [1]	790 [1]			910 Q								-0.1										
MW-3	04/15/03	71.91	22.3	49.61				7.3 [2]	720 [2]			460								-0.1										
MW-3	06/25/03	71.91	25.16	46.75				7.2 [2]	720 [2]			440								-0.1										
MW-3	09/30/03	71.91	25.26	46.65				7.2 [2]	720 [2]			380								-0.1										
MW-3	12/15/03	71.91	25.15	46.76				7.2 [2]	760 [2]			470								-0.1										
MW-3	03/10/04	71.91	21.20	50.71				6.7 [2]	764 [2]			460								9										
MW-3	04/20/04	71.91	20.31	51.60				6.6 [2]	937 [2]			590								5.6										
MW-3	07/28/04	71.91	25.75	46.16				6.9 [2]	834 [2]			520								-0.1										
MW-3	10/19/04	71.91	25.37	46.54	4.2	23.3		6.7	870	7.0	940	640								-0.1										
MW-3	03/02/05	71.91	16.18	55.73	9	16.3		6.8	675	7.8	736	470								-0.1										
MW-3	06/07/05	71.91	14.77	57.14	9	18.5	12.5	6.6	729	7.0	719	452								-0.25										
MW-3	08/15/05	72.31	22.98	49.33	6	19.0		6.3	765	7.7	770	455	0.38	260	-20	-20	260	56	27	0.38	1.6	-1.0	123	15	7.1	13	0.28	-0.10	0.08
MW-3	09/15/05	72.31	24.26	48.05	6	19.9	2.9	6.6	366 Q	6.9	829	443	-0.25	227	-20	-20	227	70	40	-0.25	1.3	-1.0	133	13	6.4	13	0.14	-0.10	0.20
MW-3	10/20/05	72.31	23.82	48.49	6	19.6	6.6	6.9	850	6.4	900	576	-0.25	255	-20	-20	255	72	50	1.3	2.7	-1.0	146	19	7.6	15	0.27	-0.10	0.20
MW-3	11/17/05	72.31	24.64	47.67	7	19.6	0.5	6.6	874	7.3	880	529	0.41	260	-20	-20	260	76	52	-0.25	1.3	-1.0	155	17	7.2	14	0.25	-0.10	0.21
MW-3	12/20/05	72.31	24.52	47.79	6	19.6	1.1	6.4	875	6.6	896	546	0.40	274	-20	-20	274	77	51	-0.25	2.1	1.5	160	16	7.2	15	0.26	-0.10	0.24
MW-3	01/18/06	72.31	13.98	58.33	11	19.1	1.1	6.4	668 Q	6.8	769	460	-0.25	220	-20	-20	220	49	38	9.3	-1.0	-1.0	130	14	6.5	12	0.26	-0.10	0.14
MW-3	02/23/06	72.31	18.88	53.43	6	20.4	9.9	6.5	960	6.7	935	540	-0.25	290	-20	-20	290	78	50	1.4	1.5	-1.0	150	19	8.3	15	0.31	-0.01	0.27
MW-3	03/29/06	72.31	12.58	59.73	12	19.1	1.6	6.4	963	6.8	881	540	-0.25	300	-20	-20	300	79	49	-0.25	1.6	-1.0	140	19	8.2	15	0.30	-0.10	0.34
MW-3	04/20/06	72.31	8.46	63.85	15	19.9	0.9	6.4	960	6.9	857	580	0.25	300	-20	-20	300	80	57	0.34	1.3	-1.0	150	18	8.3	16	0.23	-0.10	0.33
MW-3	05/19/06	72.31	8.60	63.71	13	23.3	0.7	6.6	874	6.7	901	480	-0.25	280	-20	-20	280	82	55	0.25	2.1	-1.0	140	19	8.7	17	0.29	-0.10	0.41
MW-3	06/14/06	72.31	13.11	59.20	15	19.8	1.2	6.7	875	6.7	1330 Q	535	-0.25	284	-20	-20	284	73	44	-0.25	2.0	-1.0	160	20	9.0	17	0.28	-0.10	0.42
MW-3	07/20/06	72.31	23.31	49.00	5.3	20.0	7.1	6.9	891	6.6	865	530	0.51	299	-20	-20	299	69	40	-0.25	-1.0	-1.0	141	18	8.2	15	0.37	-0.10	0.36
MW-3	10/18/06	72.31	23.93	48.38	4.8	19.9		5.6	1184	6.5	1080	723	-0.25	321	-20	-20	321	89.0	126	-0.25	1.57	1.40	169	29	13.0	18	0.30	-0.10	0.39
MW-3	01/17/07	72.31	24.67	47.64	4.5	21.2	0.79	6.68	701 Q	6.2	1250	744	-0.25	379	-20	-20	379	82.7	104	-0.25	2.18	1.01	176	32.1	13.6	17	0.19	0.139	0.78
MW-3	04/17/07	72.31	24.72	47.59	4.5	20.8		6.68	1132	6.9	1170	701	-0.25	360	-20	-20	360	81.7	96	-0.25	1.96	1.06	172	31	13.0	18	0.28	0.36	0.86
MW-4	07/10/01	122.65	48.28	74.37				7.4	810			670								11										
MW-4	09/04/01	122.65	51.06	71.59				7.43	860			530								10										
MW-4	11/05/01	122.65	53.23	69.42				7.28	840			550								14										
MW-4	01/15/02	122.65	51.94	70.71				7.09	860			500								20										
MW-4	01/22/02	122.65	49.08	73.57																										
MW-4	05/02/02	122.65	43.39	79.26				7.1	810			510								23										
MW-4	08/15/02	122.65	53.23	69.42				6.0 [1]	707 [1]			810 Q								-0.1 Q										
MW-4	01/15/03	122.65	50.05	72.60				6.5 [1]	810 [1]			490								15										
MW-4	04/15/03	122.65	32.68	89.97				7.3 [2]	910 [2]			630								16										
MW-4	06/25/03	122.65	35.86	86.79				7.3 [2]	940 [2]			610								16										
MW-4	09/30/03	122.65	31.16	91.49				7.2 [2]	970 [2]			610								20										
MW-4	12/15/03	122.65	30.15	92.50				7.2 [2]	1000 [2]			670								24										
MW-4	03/10/04	122.65	34.35	88.30				6.8 [2]	875 [2]			530								14.1										
MW-4	04/20/04	122.65	37.74	84.91				6.9 [2]	919 [2]			610								9.7										
MW-4	07/28/04	122.65	42.04	80.61				6.9 [2]	961 [2]			630								7.3										
MW-4	10/19/04	122.65	39.15	83.50	45	18.4		6.9	945	7.0	1030	660								6.9										
MW-4	03/02/05	122.65	42.50	80.15	39	15.0		6.9	817	7.7	917	580								8.2										
MW-4	06/07/05	122.65	39.06	83.59	45	19.1		6.7	880	6.9	852	567								25										
MW-4	08/15/05	123.07	40.75	82.32																										
MW-4	09/16/05	123.07	44.26	78.81	35	22.6	7.2	6.5	413 Q	6.3	894	541	0.44	211	-20	-20	211	72	31	16	1.3	-1.0	119	18	7.2	8.8	0.18	-0.10	-0.01
MW-4	10/19/05	123.07	37.03	86.04	50	23.1	8.0	6.5	396 Q	6.3	872	520	-0.25	161	-20	-20	161	67	28	21	-1.0	-1.0	123	18	6.9	7.8	0.30	-0.10	-0.01
MW-4	11/22/05	123.07	34.93	88.14																										
MW-4	12/20/05	123.07	36.71	86.36																										
MW-4	01/19/06	123.07	33.14	89.93	55	17.0	5.7	6.6	604 Q	7.1	718	440	-0.25	170	-20	-20	170	63	21	13	-1.0	-1.0	120	17	6.7	7.0	0.27	-0.10	-0.01
MW-4	02/21/06	123.07	38.48	84.59																										
MW-4	03/28/06	123.07	40.12	82.95																										
MW-4	04/19/06	123.07	36.8	86.27	50	16.0	0.8	6.5	751	6.6	645	400	-0.25	260	-20	-20	260	61	21	2.9	3.4	-1.0	110	18	7.1	7.7	0.30	-0.10	-0.01
MW-4	05/19/06	123.07	38.15	84.92																										
MW-4	06/13/06	123.07	37.16	85.91																										
MW-4	07/20/06	123.07	39.66	83.41	43.5	18.1	15.2	7.0	878	6.5	832	520	-0.25	270	-20	-20	270	77	22	4.6	-1.0	-1.0	128	20	8.0	9.4	0.42	-0.10	-0.01
MW-4	10/17/06	123.07	32.89	90.18	57	24.8		6.5	753	6.9	705	482	-0.25	209	-20	-20	209	79	29	0.5	-1.0	-1.0	113	18	6.6	11	0.33	-0.10	-0.01
MW-4	01/17/07	123.07	31.77	91.30	60	16.9	10.5	7.1	462 Q	6.5	804	423	-0.25	196	-20	-20	196	75.1	25.7	1.7	-1.0	-1.0	111	19.5	7.24	10	0.227	-0.10	-0.01
MW-4	04/17/07	123.07	46.40	76.67	30.75	18.9		7.0	754	7.2	795	470	-0.25	220	-20	-20	220	83.4	33.2	3.16	-1.0	-1.0	117	21	8.3	11	0.257	0.12	0.04

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
MW-3	07/10/01																	-0.5	-0.5	-0.5	-0.5	-0.5	130	-2				Below Ground Vault
MW-3	09/04/01																	-0.5	-0.5	-0.5	-0.5	-0.5	30	-2				
MW-3	11/05/01																	-0.5	0.57	-0.5	-0.5	0.57	4	-2				
MW-3	01/15/02																	-0.5	-0.5	-0.5	-0.5	-0.5	lab error	lab error				
MW-3	01/22/02																						4	4				Only TCO analyzed this date
MW-3	05/01/02																	-0.5	-0.5	-0.5	-0.5	-0.5	240	-2				
MW-3	08/15/02																	ND	ND	ND	ND	ND	-2	-2 [3]				
MW-3	01/15/03																	ND	ND	ND	ND	ND	13	-2				
MW-3	04/15/03																	ND	ND	ND	ND	ND	2	-2				
MW-3	06/25/03																	ND	ND	ND	ND	ND	-2	-2				
MW-3	09/30/03																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-3	12/15/03																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-3	03/10/04																	-0.5	-0.5	-0.5	-0.5	-0.5	-1.1	-1.1				
MW-3	04/20/04																	-0.5	8.8	0.6	-0.5	9.4	23	-1.1				
MW-3	07/28/04																	-0.5	-0.5	-0.5	-0.5	-0.5	3.6	-1.1				
MW-3	10/19/04																	-0.5	-0.5	-0.5	-0.5	-0.5	23	-1.1				
MW-3	03/02/05																	-0.5	-0.5	-0.5	-0.5	-0.5	3.6	1.1				
MW-3	06/07/05																	-0.5	-0.5	-0.5	-0.5	-0.5	50	9				Last sample collected using bailer
MW-3	08/15/05	-0.10	-0.05	-0.05	6.0	30	-0.1	4.0	2.9	-1.0	20	15	-1.0	-2.0	1.8	3.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	> 1.1	> 1.1			6.6	Special Monthly Sample
MW-3	09/15/05	-0.10	-0.05	0.17	9.6	34	-0.1	7.4	-1.0	-1.0	18	18	-1.0	-2.0	1.7	2.8	-20	-0.50	-0.50	-0.50	-0.50	-0.50	> 23	-1.1	-1.1	-2	7.5	Quarterly
MW-3	10/20/05	-0.10	-0.05	-0.05	6.2	34	-0.1	7.8	-1.0	-1.0	16	17	-1.0	-2.0	1.9	4.1	-20	-0.50	-0.50	-0.50	-0.50	-0.50	> 1600	900	13	-2	7.2	Annual
MW-3	11/17/05	-0.10	-0.05	-0.05	5.0	46	-0.1	6.0	-1.0	-1.0	19	18	-1.0	-2.0	1.5	3.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	80	13	8	-2	7.9	Special Monthly Sample
MW-3	12/20/05	-0.10	-0.05	-0.05	5.6	36	-0.1	3.1	-1.0	-1.0	16	17	-1.0	-2.0	1.2	3.9	-20	-0.50	-0.50	-0.50	-0.50	-0.50	23	-2	-2	-2	8.3	Annual
MW-3	01/18/06	-0.10	-0.05	-0.05	10	32	-0.1	9.0	-1.0	-1.0	24	17	-1.0	-2.0	2.4	3.9	-20	-0.50	-0.50	-0.50	-0.50	-0.50	30	-2	-2	-2	7.2	Quarterly
MW-3	02/23/06	-0.10	-0.05	-0.05	4.0	48	-0.1	11	1.0	-1.0	16	14	-1.0	-2.0	2.3	3.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	11	2	2	-2	7.2	Casing Damaged, Monthly Sample
MW-3	03/29/06	-0.10	-0.05	-0.05	4.3	56	-0.1	19	-1.0	-1.0	13	13	-1.0	-2.0	0.95	3.3	-20	-0.50	-0.50	-0.50	-0.50	-0.50	4	-2	-2	-2	6.8	Special Monthly Sample
MW-3	04/20/06	-0.10	-0.05	-0.05	3.0	55	-0.1	18	-1.0	-1.0	13	11.6	-1.0	-2.0	0.76	3.7	-20	-0.50	-0.50	-0.50	-0.50	-0.50	4	-2	-2	30	7.3	Quarterly
MW-3	05/19/06	-0.10	-0.05	-0.05	3.9	104	-0.1	8.8	-1.0	-1.0	12.8	10.5	-1.0	-2.0	0.87	3.1	-20	-0.50	-0.50	-0.50	-0.50	-0.50	7	-2	-2	130	6.7	Special Monthly Sample
MW-3	06/14/06	-0.10	-0.05	-0.05	4.0	55	-0.1	7.0	-1.0	-1.0	13	11.6	-1.0	3.5	0.14	-1.0	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	140	7.5	Special Monthly Sample
MW-3	07/20/06	-0.10	-0.05	-0.05	6.0	52	-0.1	14.0	-1.0	-1.0	13	14.0	-1.0	-2.0	0.53	3.8	21	-0.50	-0.50	-0.50	-0.50	-0.50	4	-2	-2	27	6.9	Quarterly
MW-3	10/18/06	-0.10	-0.05	-0.05	4.0	99	-0.1	10.6	-1.0	-1.0	10	12.0	-1.0	-2.0	0.47	4.1	-20	-1.00	-1.00	-1.00	-1.00	-1.00	13	-2	-2	-2	6.6	Annual
MW-3	01/17/07	-0.10	-0.05	-0.05	6.0	124	-0.1	6.6	-1.0	-1.0	-10	8.5	-1.0	-2.0	0.36	3.6	-20	-0.50	-0.50	-0.50	-0.50	-0.50	4	-2	-2	-2	6.6	Quarterly
MW-3	04/17/07	-0.05	-0.05	-0.05	5.0	145	-1	4.0	-1.0	-1.0	13	7.0	-1.0	-20.0	0.33	3.4	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	6.5	Quarterly
MW-4	07/10/01																	-0.5	0.62	-0.5	-0.5	0.62	23	-2				Below Ground Vault
MW-4	09/04/01																	-0.5	0.94	-0.5	-0.5	0.94	11	-2				
MW-4	11/05/01																	-0.5	0.97	-0.5	-0.5	0.97	-2	-2				
MW-4	01/15/02																	-0.5	1.2	-0.5	-0.5	1.2	lab error	lab error				
MW-4	01/22/02																						-2	-2				Only TCO analyzed this date
MW-4	05/02/02																	-0.5	0.98	-0.5	-0.5	0.98	-2	-2				
MW-4	08/15/02																	ND	ND	ND	ND	ND	-2	-2 [3]				
MW-4	01/15/03																	ND	12	3.5	0.66	16.2	-2	-2				
MW-4	04/15/03																	ND	8.1	1.5	ND	9.6	4	-2				
MW-4	06/25/03																	ND	12	0.55	ND	12.55	-2	-2				
MW-4	09/30/03																	-0.5	27	0.59	-0.5	27.59	-2	-2				
MW-4	12/15/03																	-0.5	34	4.3	0.67	38.97	-2	-2				
MW-4	03/10/04																	-0.5	2.4	-0.5	-0.5	2.4	-1.1	-1.1				
MW-4	04/20/04																	-0.5	20.5	1.2	-0.5	21.7	3.6	-1.1				
MW-4	07/28/04																	-0.5	1.4	-0.5	-0.5	1.4	-1.1	-1.1 [3]				
MW-4	10/19/04																	-0.5	1.2	-0.5	-0.5	1.2	12	2.2				
MW-4	03/02/05																	0.5	5.9	-0.5	-0.5	6.4	3.6	-1.1				
MW-4	06/07/05																	-0.5	12	2.6	-0.5	15	-2	-2 [3]				Red ants and gnats in GW
MW-4	08/15/05																											DTW measurement only
MW-4	09/16/05	-0.10	-0.05	-0.05	6.9	94	-0.1	5.3	-1.0	-1.0	12	4.3	-1.0	-2.0	6.0	1.8	-20						-2	-2 [3]			6.0	THM Sample was Lost
MW-4	10/19/05	-0.10	-0.05	-0.05	7.8	90	-0.1	4.0	-1.0	-1.0	11	3.6	-1.0	-2.0	8.4	2.0	-20	-0.50	11	9.8	3.3	24	-2	-2 [3]			6.2	Annual
MW-4	11/22/05																											DTW measurement only
MW-4	12/20/05																											DTW measurement only
MW-4	01/19/06	-0.10	-0.05	-0.05	6.0	75	-0.1	5.0	-1.0	-1.0	-10	2.3	-1.0	-2.0	6.2	1.4	-20	-0.50	6.3	1.6	-0.50	7.9	16.1	-1.1			6.2	Quarterly
MW-4	02/21/06																											DTW measurement only
MW-4	03/28/06																											DTW measurement only
MW-4	04/19/06	-0.10	-0.05	-0.05	6.6	83.2	-0.1	11	9.5	-1.0	-10	3.2	-1.0	-2.0	4.8	1.4	-20	-0.50	2.45	-0.50	-0.50	2.45	8	-2	-2	-2	5.6	Qtrly, BacT collected 4/20/06
MW-4	05/19/06																											DTW measurement only
MW-4	06/13/06																											DTW measurement only
MW-4	07/20/06	-0.10	-0.05	0.05	7	141	-0.1	11.0	-1.0	-1.0	-10	5.3	-1.0	-2.0	1.10	2.0	-20	-0.50	0.74	-0.50	-0.50	0.74	50	-2	-2	-2	6.1	Quarterly
MW-4	10/17/06	-0.10	-0.05	-0.05	8	156	-0.1	2.8	-1.0	-1.0	13	6.8	-1.0	-2.0	1.40	2.3	-20	-1.00	5.24	-1.00	-1.00	5.24	4	-2	-2	-2	5.8	Annual
MW-4	01/17/07	-0.10	-0.05	-0.05	7	84	-0.1	2.8	-1.0	-1.0	10	4.0	2.0	-2.0	1.84	1.9	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	5.5	Quarterly
MW-4	04/17/07	0.067	-0.05	-0.05	7	96	-1	4.0	-1.0	-1.0	-10	6.0	-1.0	-20.0	3.23	1.6	-20	-0.50	0.50	-0.50	-0.50	-0.50	21	-2	-2	-2	5.5	Quarterly

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																				
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
MW-5	07/10/01	121.42	43.30	78.12				7.38	850			540								13										
MW-5	09/04/01	121.42	47.01	74.41				7.44	860			520								12										
MW-5	11/05/01	121.42	50.90	70.52				7.42	860			490								14										
MW-5	01/15/02	121.42	44.80	76.62				6.98	950			550								19										
MW-5	01/22/02	121.42	43.04	78.38																										
MW-5	05/02/02	121.42	35.39	86.03				7.08	830			530								19										
MW-5	08/15/02	121.42	50.90	70.52				6.0 [1]	720 [1]			780 Q								-0.1 Q										
MW-5	01/01/03	121.42	47.81	73.61				7.0 [1]	667 Q			600								16										
MW-5	04/15/03	121.42	33.15	88.27				7.2 [2]	840 [2]			530								8.9										
MW-5	06/25/03	121.42	28.99	92.43				7.1 [2]	950 [2]			630								17										
MW-5	09/30/03	121.42	28.78	92.64				7.1 [2]	1000 [2]			620								8.3										
MW-5	12/15/03	121.42	31.85	89.57				7.2 [2]	950 [2]			630								10										
MW-5	03/10/04	121.42	29.96	91.46				7.0 [2]	921 [2]			590								18.5										
MW-5	04/20/04	121.42	37.00	84.42				7.1 [2]	906 [2]			580								8.7										
MW-5	07/28/04	121.42	40.01	81.41				7.1 [2]	907 [2]			580								4.2										
MW-5	10/19/04	121.42	31.30	90.12	54	19.0		6.9	832	6.8	910	640								11.2										
MW-5	03/02/05	121.42	37.72	83.70	42	17.4		6.9	810	7.6	923	610								7.9										
MW-5	06/07/05	121.42	37.71	83.71	42	19.2	32.5	6.8	885	6.8	881	579								19										
MW-5	08/15/05	122.14	43.00	79.14																										
MW-5	09/16/05	122.14	43.74	78.40	68	20.0	8.6	6.7	439 Q	6.6	977	590	0.35	247	-20	-20	247	75	34	17	3.4	-1.0	139	25	11	4.9	0.17	-0.10	0.05
MW-5	10/19/05	122.14	38.56	83.58	50	20.7	7.8	6.6	402 Q	6.3	893	534	0.36	178	-20	-20	178	62	29	22	-1.0	-1.0	123	21	8.7	4.9	0.27	-0.10	0.05
MW-5	11/22/05	122.14	31.88	90.26																										
MW-5	12/20/05	122.14	34.93	87.21																										
MW-5	01/19/06	122.14	30.90	91.24	60	18.4	2.3	6.6	670 Q	6.9	756	480	-0.25	170	-20	-20	170	64	26	19	-1.0	-1.0	130	22	8.4	5.3	0.27	-0.10	-0.01
MW-5	02/21/06	122.14	37.51	84.63																										
MW-5	03/28/06	122.14	39.31	82.83																										
MW-5	04/19/06	122.14	31.89	90.25	55	17.0	1.2	6.4	789	6.7	675	470	0.27	197	-20	-20	197	60	28	9	-1.0	-1.0	110	21	8.4	5.2	0.26	-0.10	-0.01
MW-5	05/19/06	122.14	34.13	88.01																										
MW-5	06/13/06	122.14	37.93	84.21																										
MW-5	07/19/06	122.14	36.72	85.42	45	18.8	5.9	7.2	864	6.7	815	542	-0.25	250	-20	-20	250	85	30	5.4	-1.0	-1.0	128	23	9.0	6.6	0.4	-0.10	-0.01
MW-5	10/17/06	122.14	29.91	92.23	57.75	21.9		6.1	833	6.9	795	525	-0.25	241	-20	-20	241	82	38	3.2	-1.0	-1.0	119	22	8.3	7.3	0.36	-0.10	-0.01
MW-5	01/16/07	122.14	29.34	92.80	58.5	20.9	1.5	6.94	542 Q	6.6	980	439	-0.25	200	-20	-20	200	75.5	32.6	1.69	-1.0	-1.0	116	19	7.2	7.2	0.27	-0.10	-0.01
MW-5	04/17/07	122.14	45.59	76.55	27	19.7		6.96	727	7.3	748	461	-0.25	205	-20	-20	205	82.2	31.8	1.69	-1.0	-1.0	119	24	10.0	5.7	0.283	-0.10	0.02
MW-6	07/10/01	131.92	57.15	74.77				7.31	230			620								7										
MW-6	09/04/01	131.92	60.88	71.04				7.36	980			560								6.3										
MW-6	11/05/01	131.92	63.30	68.62				7.32	980			570								7.3										
MW-6	01/15/02	131.92	62.62	69.30				7.27	980			580								7.9										
MW-6	01/22/02	131.92	60.12	71.80																										
MW-6	05/02/02	131.92	45.89	86.03				7.18	850			540								14										
MW-6	08/15/02	131.92	63.90	68.02				6.0 [1]	785 [1]			800 Q								-0.1 Q										
MW-6	01/15/03	131.92	60.79	71.13				6.5 [1]	759 [1]			560								6.5										
MW-6	04/15/03	131.92	47.73	84.19				7.3 [2]	1000 [2]			660								26										
MW-6	06/25/03	131.92	42.23	89.69				7.1 [2]	980 [2]			640								8.5										
MW-6	09/30/03	131.92	43.23	88.69				7.2 [2]	870 [2]			560								0.6										
MW-6	12/15/03	131.92	44.03	87.89				7.3 [2]	890 [2]			570								8.2										
MW-6	03/10/04	131.92	40.95	90.97				7 [2]	906 [2]			560								13.6										
MW-6	04/20/04	131.92	46.91	85.01				7.1 [2]	950 [2]			610								10.5										
MW-6	07/28/04	131.92	50.38	81.54				7.1 [2]	960 [2]			620								2.9										
MW-6	10/19/04	131.92	43.79	88.13	42	17.5		7.0	993	7.0	1110	760								20.7										
MW-6	03/02/05	131.92	44.09	87.83	42	18.7		7.0	853	7.8	980	660								5.7										
MW-6	06/07/05	131.92	47.31	84.61	12	20.1	19	6.9	938	7.1	927	617								18										
MW-6	08/15/05	132.48	56.29	76.19																										
MW-6	09/16/05	132.48	57.11	75.37	70	20.9	1.3	6.7	443 Q	6.8	1030	586	-0.25	294	-20	-20	294	77	30	15	3.9	-1.0	161	29	11	4.9	0.16	-0.10	-0.01
MW-6	10/19/05	132.48	49.51	82.97	30	19.9	1.5	6.7	459 Q	6.9	1030	616	-0.25	235	-20	-20	235	69	34	23	-1.0	-1.0	144	28	10	5.3	0.28	-0.10	-0.01
MW-6	11/22/05	132.48	50.54	81.94																										
MW-6	12/20/05	132.48	45.72	86.76																										
MW-6	01/19/06	132.48	43.00	89.48	45	19.3	1.9	6.6	782 Q	6.9	884	560	-0.25	240	-20	-20	240	61	29	17	-1.0	-1.0	150	30	9.5	13	0.26	-0.10	-0.01
MW-6	02/21/06	132.48	48.97	83.51																										
MW-6	03/28/06	132.48	51.73	80.75																										
MW-6	04/19/06	132.48	42.61	89.87	45	20.3	1.0	6.4	850	6.8	748	530	-0.25	230	-20	-20	230	55	27	14	-1.0	-1.0	120	26	9.4	7.3	0.26	-0.10	-0.01
MW-6	05/19/06	132.48	42.16	90.32																										
MW-6	06/13/06	132.48	44.37	88.11																										
MW-6	07/19/06	132.48	45.87	86.61	39	19.4	10.8	6.6	886	6.7	853	560	-0.25	279	-20	-20	279	75	24	5.0	-1.0	-1.0	133	28	8.9	9.8	0.40	-0.10	-0.01
MW-6	10/17/06	132.48	40.63	91.85	48.75	22.7		6.2	814	6.9	757	502	-0.25	240	-20	-20	240	79	29	1.8	-1.0	-1.0	113	24	7.5	8.5	0.29	-0.10	-0.01
MW-6	01/16/07	132.48	41.05	91.43	45.94	21.5	1.41	6.96	540 Q	6.3	772	431	-0.25	197	-20	-20	197	70.0	28.8	1.69	-1.0	-1.0	113	21	7.0	7.1	0.26	-0.10	-0.01
MW-6	04/17/07	132.48	58.27	74.21	4	19.4		6.63	806	Not sampled due to pump problems.																				

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
MW-5	07/10/01																	-0.5	-0.5	-0.5	-0.5	-0.5	300	-2				Below Ground Vault
MW-5	09/04/01																	-0.5	-0.5	-0.5	-0.5	-0.5	130	-2				
MW-5	11/05/01																	-0.5	-0.5	-0.5	-0.5	-0.5	2	-2				
MW-5	01/15/02																	-0.5	2.5	0.94	-0.5	3.4	lab error	lab error				
MW-5	01/22/02																						2	2				Only TCO analyzed this date
MW-5	05/02/02																	-0.5	0.93	-0.5	-0.5	0.93	-2	-2				
MW-5	08/15/02																	ND	ND	ND	ND	ND	-2	-2				
MW-5	01/01/03																	ND	1.3	ND	ND	1.3	2	-2				
MW-5	04/15/03																	ND	13	ND	ND	13	-2	-2				
MW-5	06/25/03																	ND	8.2	1.2	ND	9.4	2	-2				
MW-5	09/30/03																	-0.5	16	1.7	-0.5	17.7	-2	-2				
MW-5	12/15/03																	-0.5	0.86	-0.5	-0.5	0.86	-2	-2				
MW-5	03/10/04																	-0.5	0.7	-0.5	-0.5	0.7	-1.1	-1.1				
MW-5	04/20/04																	-0.5	-2.2	-0.5	-0.5	-2.2	-1.1	NA				
MW-5	07/28/04																	-0.5	0.6	-0.5	-0.5	0.6	6.9	-1.1				
MW-5	10/19/04																	-0.5	2.8	-0.5	-0.5	2.8	9.2	-1.1				
MW-5	03/02/05																	-0.5	3.1	-0.5	-0.5	3.1	16.1	-1.1				
MW-5	06/07/05																	-0.5	2.3	0.5	-0.5	2.8	-2	-2 [3]				Last sample collected using bailer
MW-5	08/15/05																											DTW measurement only
MW-5	09/16/05	-0.10	-0.05	-0.05	9.3	170	-0.1	6.0	-1.0	-1.0	-10	6.0	-1.0	-2.0	5.7	1.9	-20	-0.50	0.57	-0.50	-0.50	0.57	-2	-2 [3]			5.8	Quarterly
MW-5	10/19/05	-0.10	-0.05	-0.05	12.3	169	-0.1	4.5	-1.0	-1.0	-10	4.3	-1.0	-2.0	8.4	2.0	-20	-0.50	1.3	-0.50	-0.50	1.3	-2	-2 [3]			5.7	Annual
MW-5	11/22/05																											DTW measurement only
MW-5	12/20/05																											DTW measurement only
MW-5	01/19/06	-0.10	-0.05	-0.05	9.0	141	-0.1	8.7	-1.0	-1.0	-10	2.1	-1.0	-2.0	4.6	1.7	-20	-0.50	2.6	-0.50	-0.50	2.6	-1.1	-1.1 [3]			6.0	Quarterly
MW-5	02/21/06																											DTW measurement only
MW-5	03/28/06																											DTW measurement only
MW-5	04/19/06	-0.10	-0.05	-0.05	8.6	155	-0.1	8.6	-1.0	-1.0	-10	2.3	-1.0	-2.0	4.4	1.9	-20	-0.50	22.2	5.89	-0.50	28.1	2.2	-1.1			5.1	Quarterly
MW-5	05/19/06																											DTW measurement only
MW-5	06/13/06																											DTW measurement only
MW-5	07/19/06	-0.10	-0.05	-0.05	9	210	-0.1	9.8	-1.0	-1.0	-10	3.2	-1.0	-2.0	0.77	-1.0	-20	-0.50	10.7	2.13	-0.50	12.8	23	-2	-2	-2	5.7	Quarterly
MW-5	10/17/06	-0.10	-0.05	-0.05	10	181	-0.1	8	2.0	-1.0	-10	4.3	-1.0	-2.0	1.1	2.0	-20	-1.00	5.23	-1.00	-1.00	5.23	23	-2	-2	-2	5.5	Annual
MW-5	01/16/07	-0.10	-0.05	-0.05	9	131	-0.1	-5	-1.0	-1.0	-10	5.0	2.0	-2.0	1.74	1.8	-20	-0.50	1.33	-0.50	-0.50	1.33	-2	-2	-2	-2	5.7	Quarterly
MW-5	04/17/07	-0.05	-0.05	-0.05	8	147	-1	1	-1.0	-1.0	17	5.0	1.0	-20.0	3.33	1.8	-20	-0.50	-0.50	-0.50	-0.50	-0.50	2	-2	-2	-2	5.2	Quarterly
MW-6	07/10/01																	-0.5	-0.5	-0.5	-0.5	-0.5	> 1600	-2				
MW-6	09/04/01																	-0.5	-0.5	-0.5	-0.5	-0.5	300	-2				
MW-6	11/05/01																	-0.5	-0.5	-0.5	-0.5	-0.5	8	-2				
MW-6	01/15/02																	-0.5	-0.5	-0.5	-0.5	-0.5	lab error	lab error				
MW-6	01/22/02																						4	-2				Only TCO analyzed this date
MW-6	05/02/02																	-0.5	8.2	-0.5	-0.5	8.2	2	-2				
MW-6	08/15/02																	ND	ND	ND	ND	ND	-2	-2 [3]				
MW-6	01/15/03																	ND	0.66	ND	ND	0.66	11	-2				
MW-6	04/15/03																	ND	5.5	ND	ND	5.5	4	-2				
MW-6	06/25/03																	ND	-2.2	ND	ND	-2.2	4	-2				
MW-6	09/30/03																	-0.5	-0.5	-0.5	-0.5	-0.5	-2	-2				
MW-6	12/15/03																	-0.5	7.9	0.62	-0.5	8.52	-2	-2				
MW-6	03/10/04																	-0.5	24.8	3.3	-0.5	28.1	-1.1	-1.1				
MW-6	04/20/04																	-0.5	54	2.5	-0.5	56.5	-1.1	-1.1 [3]				
MW-6	07/28/04																	-0.5	4.6	-0.5	-0.5	4.6	-1.1	-1.1 [3]				
MW-6	10/19/04																	-0.5	3.1	-0.5	-0.5	3.1	2.2	-1.1				
MW-6	03/02/05																	-0.5	5.6	-0.5	-0.5	5.6	-1.1	-1.1 [3]				
MW-6	06/07/05																	-0.5	4.2	0.55	-0.5	4.8	-2	-2 [3]				Last sample collected using bailer
MW-6	08/15/05																											DTW measurement only
MW-6	09/16/05	-0.10	-0.05	-0.05	8.9	172	-0.1	7.1	-1.0	-1.0	-10	2.1	-1.0	-2.0	5.5	1.3	-20	-0.50	4.7	-0.50	-0.50	4.7	-2	-2 [3]			6.5	Quarterly
MW-6	10/19/05	-0.10	-0.05	-0.05	9.0	155	-0.1	7.7	-1.0	-1.0	-10	2.0	-1.0	-2.0	4.3	1.9	-20	-0.50	2.5	-0.50	-0.50	2.5	-2	-2	-2	-2	5.9	Annual
MW-6	11/22/05																											DTW measurement only
MW-6	12/20/05																											DTW measurement only
MW-6	01/19/06	-0.10	-0.05	-0.05	9.0	225	-0.1	10	-1.0	-1.0	-10	1.4	-1.0	-2.0	3.9	2.1	-20	-0.50	2.5	-0.50	-0.50	2.5	-1.1	-1.1 [3]			6.1	Quarterly
MW-6	02/21/06																											DTW measurement only
MW-6	03/28/06																											DTW measurement only
MW-6	04/19/06	-0.10	-0.05	-0.05	8.6	151	-0.1	9.3	-1.0	-1.0	-10	1.7	-1.0	-2.0	4.4	1.8	-20	-0.50	9.67	1.91	-0.50	11.6	2.2	-1.1			5.1	Quarterly
MW-6	05/19/06																											DTW measurement only
MW-6	06/13/06																											DTW measurement only
MW-6	07/19/06	-0.10	-0.05	-0.05	9	210	-0.1	9.0	-1.0	-1.0	-10	2.8	-1.0	-2.0	0.75	-1.0	-20	-0.50	4.90	-0.50	-0.50	4.90	-2	-2	-2	-2	5.6	Quarterly
MW-6	10/17/06	-0.10	-0.05	-0.05	9	165	-0.1	7.0	-1.0	-1.0	-10	3.8	-1.0	-2.0	1.2	2.3	-20	-1.00	2.90	-1.00	-1.00	2.90	-2	-2	-2	-2	5.2	Annual
MW-6	01/16/07	-0.10	-0.05	-0.05	9	120	-0.1	-5.0	-1.0	-1.0	-10	2.6	-1.0	-2.0	1.73	1.5	-20	-0.50	6.28	0.81	-0.50	7.09	-2	-2	-2	-2	5.5	Quarterly
MW-6	04/17/07																											Quarterly

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																			
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
MW-7	08/17/05	122.86	48.26	74.60	13	19.9		7.0	922	6.5	961	585	-0.25	289	-20	-20	289	74	30	12	-1.0	-1.0	133	34	15	-1.0	0.27	-0.10	0.01
MW-7	09/16/05	122.86	49.65	73.21	15	19.2	2.3	6.9	458 Q	6.8	996	571	0.59	282	-20	-20	282	81	31	13	1.0	-1.0	126	31	14	1.3	0.17	-0.10	-0.01
MW-7	10/19/05	122.86	45.95	76.91	15	18.8	2.0	7.0	447 Q	6.9	1000	557	0.29	290	-20	-20	290	71	32	12	-1.0	-1.0	131	32	15	-1.0	0.25	-0.10	-0.01
MW-7	11/16/05	122.86	42.51	80.35	15	19.1	3.8	6.9	940	7.1	943	566	0.27	280	-20	-20	280	74	32	12	-1.0	-1.0	152	32	15	1.5	0.25	-0.10	-0.01
MW-7	12/20/05	122.86	43.27	79.59	15	18.6	17	7.0	925	6.9	942	588	0.34	268	-20	-20	268	80	29	14	1.7	-1.0	151	30	13	1.7	0.25	-0.10	-0.01
MW-7	01/19/06	122.86	39.68	83.18	20	18.0	3.9	7.0	789 Q	7.1	925	540	-0.25	250	-20	-20	250	81	30	15	-1.0	-1.0	150	32	14	2.0	0.26	-0.10	-0.01
MW-7	02/21/06	122.86	42.86	80.00	16	18.8	1.5	6.8	967	6.8	928	590	-0.25	240	-20	-20	240	74	31	15	-1.0	-1.0	140	28	13	1.1	0.28	-0.10	-0.01
MW-7	03/29/06	122.86	43.66	79.20	15	18.5	2.5	6.3	951	7.0	879	540	-0.25	240	-20	-20	240	80	28	17	1.6	-1.0	130	27	12	1.0	0.29	-0.10	-0.01
MW-7	04/19/06	122.86	41.22	81.64	16	19.7	0.4	6.5	935	7.0	794	580	-0.25	230	-20	-20	230	67	30	14	-1.0	-1.0	130	27	12	1.6	0.28	-0.10	-0.01
MW-7	05/22/06	122.86	41.48	81.38	16	21.6	0.7	6.7	793	6.4	846	470	-0.25	220	-20	-20	220	76	29	14	-1.0	-1.0	130	26	12	1.7	0.33	-0.10	-0.01
MW-7	06/14/06	122.86	41.18	81.68	16	19.3	6.4	7.2	832	6.9	1170 Q	516	-0.25	221	-20	-20	221	75	29	14	-1.0	-1.0	130	25	11	1.4	0.32	-0.10	-0.01
MW-7	07/20/06	122.86	43.38	79.48	15	19.7	6.0	7.3	827	6.9	807	520	-0.25	224	-20	-20	224	72	27	11	-1.0	-1.0	119	21	9.8	-1.0	0.37	-0.10	-0.01
MW-7	08/21/06	122.86	41.78	81.08	16	20.1		6.6	788																				
MW-7	10/17/06	122.86	37.76	85.10	18	19.1		6.8	806	7.0	779	488	-0.25	247	-20	-20	247	74	26	7.5 Q	-1.0	-1.0	114	20	9.1	1.0	0.29	-0.10	-0.01
MW-7	01/16/07	122.86	37.08	85.78	18	20.1	10.4	7.11	589 Q	6.3	871	483	-0.25	221	-20	-20	221	77.3	28.6	5.13	-1.0	-1.0	128	22	9.9	1.2	0.34	-0.10	-0.01
MW-7	04/18/07	122.86	50.74	72.12	12	19.0		7.15	836	7.2	847	506	-0.25	230	-20	-20	230	89	30.2	6.1	-1.0	-1.0	132	22	9.8	-1.0	0.33	-0.10	-0.02
MW-8	08/17/05	129.80	52.44	77.36	7.5	21.8		7.4	1498	7.2	1460	845	-0.25	355	-20	-20	355	145	96	9.4	-1.0	-1.0	239	29	13	2.8	-0.10	-0.10	0.04
MW-8	09/16/05	129.80	52.76	77.04	4	24.4	6.6	7.3	1405	7.5	1540	878	0.27	378	-20	-20	378	134	135	9.0	1.1	-1.0	257	26	12	3.5	0.24	-0.10	0.07
MW-8	10/20/05	129.80	50.77	79.03	4	18.3	7.9	7.5	1419	7.5	1480	873	-0.25	390	-20	-20	390	103	118	11	-1.0	-1.0	262	28	12	4.2	0.38	-0.10	0.02
MW-8	11/17/05	129.80	50.57	79.23	3.5	19.8	9.0	7.5	1420	8.0	1370	858	-0.25	381	-20	-20	381	94	112	12	-1.0	-1.0	266	25	11	4.6	0.34	-0.10	0.10
MW-8	12/21/05	129.80	48.93	80.87	3	19.1	3.2	7.5	1266	7.6	1280	800	-0.25	390	-20	-20	390	76	69	14	-1.0	-1.0	243	29	13	3.6	0.31	-0.10	0.07
MW-8	01/18/06	129.80	46.50	83.30	5	18.6	2.4	7.0	989 Q	7.6	1200	750	0.27	350	-20	-20	350	79	57	16	-1.0	-1.0	200	29	14	4.3	0.28	-0.10	0.08
MW-8	02/23/06	129.80	49.72	80.08	6	20.1	1.2	7.4	1265	7.2	1180	700	-0.25	340	-20	-20	340	76	61	15	-1.0	-1.0	200	27	12	2.9	0.33	-0.01	0.05
MW-8	03/29/06	129.80	50.94	78.86	3	19.0	14.3	7.3	1194	7.3	1090	690	-0.25	340	-20	-20	340	77	56	15	-1.0	-1.0	180	25	12	3.7	0.34	-0.10	0.04
MW-8	04/19/06	129.80	47.20	82.60	4	22.4	0.6	7.1	1148	7.2	939	650	-0.25	320	-20	-20	320	65	41	14	-1.0	-1.0	180	26	13	2.9	0.30	-0.10	0.09
MW-8	05/22/06	129.80	47.57	82.23	3	23.7	1.0	7.2	1110	7.1	1050	630	-0.25	340	-20	-20	340	74	60	13	-1.0	-1.0	180	24	11	3.1	0.39	-0.10	0.07
MW-8	06/14/06	129.80	47.55	82.25	2	22.0	4.7	7.1	1025	7.3	1470 Q	643	-0.25	356	-20	-20	356	73	46	15	-1.0	-1.0	180	26	12	3.0	0.32	-0.10	0.10
MW-8	07/20/06	129.80	48.32	81.48	3	23.0	7.5	7.3	1114	7.1	1010	660	-0.25	325	-20	-20	325	69	40	14	-1.0	-1.0	160	22	11	1.8	0.37	-0.10	0.02
MW-8	10/18/06	129.80	44.51	85.29	2	20.0		7.3	1082	6.7	933	621	-0.25	299	-20	-20	299	68	40	13	1.5	-1.0	156	20	9.5	1.8	0.28	-0.10	0.06
MW-8	01/17/07	129.80	44.13	85.67	2	19.6	3.2	7.3	634 Q	6.9	1020	592	-0.25	287	-20	-20	287	70.4	43.8	9.55	-1.0	-1.0	160	21.5	10.2	2.2	0.324	-0.10	0.09
MW-8	04/18/07	129.80	53.71	76.09	1	19.9		7.6	1050	7.8	1020	595	-0.25	326	-20	-20	326	81.4	46.8	6.18	-1.0	-1.0	186	17	8	2.0	0.357	-0.10	0.11
MW-9	08/17/05	121.10	49.99	71.11	11	20.3		6.4	620	6.2	676	464	-0.25	232	-20	-20	232	40	23	7.3	-1.0	-1.0	57	51	19	2.0	0.26	-0.10	0.05
MW-9	09/15/05	121.10	49.74	71.36	12	20.0		6.4	299 Q	6.5	643	371	0.32	208	-20	-20	208	36	22	7.3	-1.0	-1.0	53	40	16	2.6	-0.10	-0.10	-0.01
MW-9	10/18/05	121.10	49.79	71.31	15	19.2	5.4	6.4	294 Q	6.3	650	393	-0.25	202	-20	-20	202	32	24	7.4	-1.0	-1.0	52	47	17	2.3	0.12	-0.10	-0.01
MW-9	11/16/05	121.10	49.89	71.21	12	19.4	0.72	6.5	586	6.6	583	383	0.28	199	-20	-20	199	26	24	8.0	-1.0	-1.0	55	41	16	1.4	0.10	-0.10	-0.01
MW-9	12/20/05	121.10	49.69	71.41	12	18.7	1.0	6.4	572	6.9	583	378	0.39	213	-20	-20	213	25	23	7.0	1.1	-1.0	60	39	14	2.0	0.11	-0.10	-0.01
MW-9	01/19/06	121.10	49.11	71.99	12	18.3	1.6	6.4	487 Q	6.5	571	360	-0.25	240	-20	-20	240	20	21	6.6	-1.0	-1.0	58	41	16	1.3	0.120	-0.10	-0.01
MW-9	02/21/06	121.10	48.94	72.16	12	18.8	0.48	6.5	582	6.6	571	380	-0.25	200	-20	-20	200	20	21	7.7	-1.0	-1.0	57	36	14	3.8	0.13	-0.01	-0.01
MW-9	03/29/06	121.10	49.01	72.09	12	18.5	0.62	6.4	589	6.6	551	360	-0.25	190	-20	-20	190	27	22	9.5	-1.0	-1.0	53	36	13	2.0	0.12	-0.10	-0.01
MW-9	04/20/06	121.10	48.75	72.35	12.5	19.6		6.4	615	6.7	540	370	-0.25	220	-20	-20	220	33	23	12	1.2	-1.0	61	40	15	-1.0	0.13	-0.10	-0.01
MW-9	05/22/06	121.10	48.14	72.96	10	22.8	0.21	6.6	591	6.2	601	360	-0.25	180	-20	-20	180	33	23	11	-1.0	-1.0	54	40	15	2.5	0.71	-0.10	0.02
MW-9	06/14/06	121.10	47.86	73.24	10	19.1		6.7	600	6.7	862	406	-0.25	183	-20	-20	183	38	22	12	-1.0	-1.0	62	38	15	2.7	0.16	-0.10	-0.01
MW-9	07/20/06	121.10	47.87	73.23	9.8	19.2	5.8	6.9	667	6.4	608	400	-0.25	171	-20	-20	171	41	24	13	-1.0	-1.0	55	37	14	1.0	0.19	-0.10	-0.01
MW-9	10/18/06	121.10	47.09	74.01	9.8	18.9		5.7	627	6.2	4090 Q	390	-0.25	191	-20	-20	191	25	21	12.0	1.3	-1.0	53.0	36	14	2.1	0.20	-0.10	-0.01
MW-9	01/16/07	121.10	47.51	73.59	9.8	26.2	2.5	6.88	384 Q	5.9	593	360	-0.25	157	-20	-20	157	22.7	19.2	14.5	-1.0	-1.0	57.4	32	12	2.1	0.18	-0.10	-0.01
MW-9	04/17/07	121.10	49.98	71.12	8.3	19.2		6.70	564	7.0	571	356	-0.25	150	-20	-20	150	32.5	20.9	14.4	-1.0	-1.0	61.0	33	12	2.3	0.18	-0.10	-0.02

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
MW-7	08/17/05	-0.10	-0.05	-0.05	2.0	44	-0.1	4.2	1.7	-1.0	-10	3.0	-1.0	-2.0	0.93	2.7	-20	-0.50	1.7	-0.50	-0.50	1.7	-2	-2 [3]			4.8	Special Monthly Sample
MW-7	09/16/05	-0.10	-0.05	-0.05	1.9	50	-0.1	7.9	-1.0	-1.0	-10	2.7	-1.0	-2.0	0.87	1.3	-20	-0.50	2.1	-0.50	-0.50	2.1	-2	-2 [3]			4.7	Quarterly
MW-7	10/19/05	-0.10	-0.05	-0.05	1.5	52	-0.1	5.9	-1.0	-1.0	-10	3.1	-1.0	-2.0	1.2	1.1	-20	-0.50	2.4	-0.50	-0.50	2.4	-2	-2 [3]			4.8	Annual
MW-7	11/16/05	-0.10	-0.05	-0.05	2.2	68	-0.1	8.4	-1.0	-1.0	-10	3.6	-1.0	-2.0	1.0	1.4	-20	-0.50	2.5	-0.50	-0.50	2.5	-1.1	-1.1 [3]			5.6	Special Monthly Sample
MW-7	12/20/05	-0.10	-0.05	-0.05	2.6	48	-0.1	3.3	-1.0	-1.0	-10	16 Q	-1.0	-2.0	1.2	1.2	-20	-0.50	2.5	-0.50	-0.50	2.5	-1.0	-1.0 [3]			5.8	Special Monthly Sample
MW-7	01/19/06	-0.10	-0.05	-0.05	2.0	49	-0.1	10	-1.0	-1.0	2.5	-1	-1.0	-2.0	4.0	1.1	-20	-0.50	2.8	-0.50	-0.50	2.8	-1.1	-1.1 [3]			5.6	Quarterly
MW-7	02/21/06	-0.10	-0.05	-0.05	2.5	53	-0.1	5.5	2.4	-1.0	-10	3.0	-1.0	-2.0	1.2	1.0	-20	-0.50	2.82	-0.50	-0.50	2.82	-1.1	-1.1 [3]			5.5	Special Monthly Sample
MW-7	03/29/06	-0.10	-0.05	-0.05	2.5	51	-0.1	10	-1.0	-1.0	-10	3.0	-1.0	-2.0	0.62	-1.0	-20	-0.50	3.17	0.64	-0.50	3.81	-1.1	-1.1 [3]			5.2	Special Monthly Sample
MW-7	04/19/06	-0.10	-0.05	-0.05	2.3	53	-0.1	8	-1.0	-1.0	-10	2.9	-1.0	-2.0	1.4	1.0	-20	-0.50	2.98	0.56	-0.50	3.54	-1.1	-1.1 [3]			5.2	Quarterly
MW-7	05/22/06	-0.10	-0.05	-0.05	3.0	107	-0.1	4.6	-1.0	-1.0	-10	2.7	-1.0	-2.0	0.62	1.2	-20	-0.50	3.33	0.65	-0.50	3.98	-2.0	-2 [3]	-2	-2	5.3	Special Monthly Sample
MW-7	06/14/06	-0.10	-0.05	-0.05	3.0	44	-0.1	5.3	-1.0	-1.0	-10	2.8	-1.0	2.6	0.31	3.5	-20	-0.50	2.82	-0.50	-0.50	2.82	-2.0	-2	-2	-2	5.5	Special Monthly Sample
MW-7	07/20/06	-0.10	-0.05	-0.05	3	44	-0.1	10.0	-1.0	-1.0	-10	2.7	-1.0	-2.0	0.31	1.3	-20	-0.50	2.65	-0.50	-0.50	2.65	240	-2	-2	22	5.4	Quarterly
MW-7	08/21/06																						> 1600	-2	-2	27		Verification Sample for Bacteria
MW-7	10/17/06	-0.10	-0.05	-0.05	3	46	-0.1	7.2	-1.0	-1.0	-10	3.9	-1.0	-2.0	0.70	1.4	-20	-1.00	1.73	-1.00	-1.00	1.73	80	-2	-2	-2	5.3	Annual
MW-7	01/16/07	-0.10	-0.05	-0.05	-5	40	-0.1	-5.0	-1.0	-1.0	-10	4.0	-1.0	-2.0	0.71	1.4	-20	-0.50	0.55	-0.50	-0.50	0.55	30	-2	-2	-2	5.7	Quarterly
MW-7	04/18/07	-0.05	-0.05	-0.05	3	40	-1	-1.0	-1.0	-1.0	-10	4.0	-1.0	-20.0	0.84	1.4	-20	-0.50	2.48	-0.50	-0.50	-0.50	> 1600	-2	-2	170	5.9	Quarterly
MW-8	08/17/05	-0.10	-0.05	-0.05	5.8	131	-0.1	1.9	1.9	-1.0	74	4.6	2.4	-2.0	1.2	45	26	-0.50	0.51	-0.50	-0.50	0.51	23	23			9.3	Special Monthly Sample
MW-8	09/16/05	-0.10	-0.05	-0.05	6.7	113	-0.1	6.3	-1.0	-1.0	107	3.9	2.5	-2.0	1.2	2.2	20	-0.50	1.8	-0.50	-0.50	1.8	12	[4]	-1.1	-1.1	10	Quarterly
MW-8	10/20/05	-0.10	-0.05	-0.05	7.6	107	-0.1	6.2	-1.0	-1.0	134	4.4	3.4	-2.0	4.0	2.2	-20	-0.50	1.9	-0.50	-0.50	1.9	2	-2	-2	-2	10	Annual
MW-8	11/17/05	-0.10	-0.05	-0.05	8.0	126	-0.1	5.0	-1.0	-1.0	126	5.6	2.3	-2.0	1.8	1.8	-20	-0.50	1.9	-0.50	-0.50	1.9	2	-2	-2	-2	11	Special Monthly Sample
MW-8	12/21/05	-0.10	-0.05	-0.05	8.2	92	-0.1	5.3	-1.0	-1.0	66	14 Q	2.4	-2.0	1.4	1.6	-20	-0.50	1.6	-0.50	-0.50	1.6	2	-2	-2	-2	9.4	Special Monthly Sample
MW-8	01/18/06	-0.10	-0.05	-0.05	7.0	93	-0.1	2.0	6.0	-1.0	40	4.1	-1.0	-2.0	1.6	1.5	-20	-0.50	0.96	-0.50	-0.50	0.96	2	-2	-2	-2	7.6	Quarterly
MW-8	02/23/06	-0.10	-0.05	-0.05	9.0	95	-0.1	7.0	1.3	-1.0	53	5.0	-1.0	-2.0	1.7	1.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	8.1	Special Monthly Sample
MW-8	03/29/06	-0.10	-0.05	-0.05	9.7	100	-0.1	19.0	-1.0	-1.0	45	5.0	-1.0	-2.0	1.4	1.2	-20	-0.50	-0.50	-0.50	-0.50	-0.50	2	-2	-2	-2	7.4	Special Monthly Sample
MW-8	04/19/06	-0.10	-0.05	-0.05	8.0	96	-0.1	11.0	-1.0	-1.0	34	5.0	-1.0	-2.0	1.5	1.3	-20	-0.50	-0.50	-0.50	-0.50	-0.50	2	-2	-2	-2	7.2	Quarterly
MW-8	05/22/06	-0.10	-0.05	-0.05	11	123	-0.1	6.5	-1.0	-1.0	49	4.8	-1.0	-2.0	1.9	1.6	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.6	Special Monthly Sample
MW-8	06/14/06	-0.10	-0.05	-0.05	10	96	-0.1	6.7	-1.0	-1.0	33	4.8	-1.0	4.3	0.38	1.5	32	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.3	Special Monthly Sample
MW-8	07/20/06	-0.10	-0.05	-0.05	11	86	-0.1	13.8	-1.0	-1.0	29	4.7	-1.0	-2.0	0.40	1.2	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.0	Quarterly
MW-8	10/18/06	-0.10	-0.05	-0.05	10	80	-0.1	8.0	-1.0	-1.0	32	5.5	-1.0	-2.0	0.46	1.9	-20	-1.00	-1.00	-1.00	-1.00	-1.00	-2	-2	-2	-2	7.2	Annual
MW-8	01/17/07	-0.10	-0.05	-0.05	12	69	-0.1	-5.0	-1.0	-1.0	25	4.7	-1.0	-2.0	0.37	1.4	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.1	Quarterly
MW-8	04/18/07	-0.05	-0.05	-0.05	14	116	-1.0	1.0	-1.0	-1.0	30	5.0	-1.0	-20.0	0.44	4.0	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	9.3	Quarterly
MW-9	08/17/05	-0.10	-0.05	-0.05	1.7	32	-0.1	1.6	2.2	-1.0	-10	2.9	-1.0	-2.0	1.7	1.3	-20	-0.50	2.2	-0.50	-0.50	2.2	23	23			1.7	Special Monthly Sample
MW-9	09/15/05	-0.10	-0.05	-0.05	1.4	80	-0.1	8.0	1.5	-1.0	-10	1.5	-1.0	-2.0	0.27	1.5	-20	-0.50	2.1	-0.50	-0.50	2.1	-1.1	-1.1			1.8	Quarterly
MW-9	10/18/05	-0.10	-0.05	-0.05	1.5	89	-0.1	8.8	-1.0	-1.0	-10	1.8	-1.0	-2.0	0.27	1.1	-20	-0.50	2.3	-0.50	-0.50	2.3	-2	-2	-2	-2	1.7	Quarterly
MW-9	11/16/05	-0.10	-0.05	-0.05	1.6	113	-0.1	6.0	-1.0	-1.0	-10	2.2	-1.0	-2.0	0.30	-1.0	-20	-0.50	2.0	-0.50	-0.50	2.0	-1.1	-1.1 [3]			1.8	Special Monthly Sample
MW-9	12/20/05	-0.10	-0.05	-0.05	2.1	80	-0.1	4.1	-1.0	-1.0	-10	19 Q	1.2	-2.0	0.31	1.0	-20	-0.50	2.0	-0.50	-0.50	2.0	2	-2	-2	-2	2.1	Special Monthly Sample
MW-9	01/19/06	-0.10	-0.05	-0.05	2.0	87	-0.1	10	-1.0	-1.0	-10	1.0	-1.0	-2.0	0.39	-1.0	-20	-0.50	2.0	-0.50	-0.50	2.0	-2	-2	-2	-2	1.9	Quarterly
MW-9	02/21/06	-0.10	-0.05	-0.05	-1.0	88	-0.1	5.0	2.0	-1.0	-10	-1.0	-1.0	-2.0	0.38	1.0	-20	-0.50	1.5	-0.50	-0.50	1.5	-2	-2	-2	-2	2.0	Special Monthly Sample
MW-9	03/29/06	-0.10	-0.05	-0.05	-2.0	92	-0.1	9.4	-1.0	-1.0	-10	1.4	-1.0	-2.0	0.35	-1.0	-20	-0.50	-0.5	-0.50	-0.50	-0.5	-2	-2	-2	-2	1.9	Special Monthly Sample
MW-9	04/20/06	-0.10	-0.05	-0.05	1.0	92	-0.1	10	-1.0	-1.0	-10	2.6	-1.0	-2.0	0.31	1.1	-20	-0.50	2.31	-0.50	-0.50	2.31	-2	-2	-2	-2	2.1	Quarterly
MW-9	05/22/06	0.25	-0.05	-0.05	-2.0	192	-0.1	3.5	-1.0	-1.0	-10	1.3	-1.0	-2.0	0.31	-1.0	-20	-0.50	2.34	-0.50	-0.50	2.34	-2	-2	-2	-2	1.8	Special Monthly Sample
MW-9	06/14/06	-0.10	-0.05	-0.05	-2.0	95	-0.1	4.4	-1.0	-1.0	-10	1.5	-1.0	2.9	0.18	1.6	-20	-0.50	3.15	0.78	-0.50	3.93	-2	-2	-2	-2	2.2	Special Monthly Sample
MW-9	07/20/06	-0.10	-0.05	-0.05	-2.0	100	-0.1	9.2	-1.0	-1.0	-10	1.4	-1.0	-2.0	0.47	-1.0	-20	-0.50	2.90	0.68	-0.50	3.58	-2	-2	-2	-2	2.0	Quarterly
MW-9	10/18/06	-0.10	-0.05	-0.05	2.0	100	-0.1	8.3	-1.0	-1.0	-10	1.5	-1.0	-2.0	0.45	1.3	-20	-1.00	1.67	-1.00	-1.00	1.67	-2	-2	-2	-2	1.9	Annual
MW-9	01/16/07	-0.10	-0.05	-0.05	-5.0	81	-0.1	-5.0	-1.0	-1.0	-10	-1.0	-1.0	-2.0	0.39	-1.0	-20	-0.50	1.07	-0.50	-0.50	1.07	-2	-2	-2	-2	2.2	Quarterly
MW-9	04/17/07	-0.05	-0.05	-0.05	2.0	79	-1	2.0	-1.0	-1.0	-10	2.0	-1.0	-20.0	0.39	1.1	-20	-0.50	1.85	-0.50	-0.50	-0.50	-2	-2	-2	-2	2.3	Quarterly

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																			
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
MW-10	12/21/05	126.95	68.51	52.59	6	18.9	34	7.0	2117	7.4	2200	1400	-0.25	670	-20	-20	670	149	107	38	-1.0	-1.0	352	111	28	4.9	0.26	-0.10	0.02
MW-10	01/19/06	126.95	66.56	54.54	6	18.8	1.4	7.1	1469 Q	7.3	1680	1100	-0.25	570	-20	-20	570	92	98	31	-1.0	-1.0	220	130	35	4.3	0.160	0.22	-0.01
MW-10	02/23/06	126.95	66.25	54.85	6	19.0	16	7.0	1788	7.3	1750	1100	-0.25	580	-20	-20	580	104	91	35	-1.0	-1.0	200	110	29	2.2	0.18	-0.01	-0.01
MW-10	03/29/06	126.95	65.19	55.91	6	18.0	2.3	6.9	1802	7.3	1670	1000	0.34	500	-20	-20	500	114	88	38	-1.0	-1.0	200	110	27	2.4	0.20	-0.10	-0.01
MW-10	04/20/06	126.95	64.36	56.74	6	19.3	0.77	6.9	1819	7.2	1560	1100	0.36	500	-20	-20	500	114	89	39	-1.0	-1.0	210	120	29	2.9	0.16	-0.10	-0.01
MW-10	05/22/06	126.95	63.32	57.78	6	23.8	1.1	7.1	1690	6.8	1710	1000	0.34	520	-20	-20	515	116	94	38	-1.0	-1.0	200	116	27	2.9	0.65	-0.10	-0.01
MW-10	06/14/06	126.95	63.69	57.41	6	19.4	1.7	7.1	1690	6.9	2390 Q	1060	-0.25	407	-20	-20	407	112	87	38	-1.0	-1.0	210	110	28	2.3	0.21	-0.10	-0.01
MW-10	07/20/06	126.95	64.84	56.26	5.3	19.5	10	6.7	1710	6.9	1690	1000	-0.25	539	-20	-20	539	110	86	34.5	-1.0	-1.0	190	120	26	1.5	0.23	-0.10	-0.01
MW-10	10/17/06	126.95	67.41	53.69	3.8	19.9		6.9	1785	7.4	1860	1180	-0.25	580	-20	-20	580	117	98	36	-1.0	-1.0	215	100	26	3.3	0.23	-0.10	-0.01
MW-10	01/16/07	126.95	68.14	52.96	3.8	24.5	3.26	7.1	1067 Q	6.6	2220	1320	-0.25	550	-20	-20	550	155	109	41.6	-1.0	-1.0	327	110	28	1.7	0.28	-0.10	-0.01
MW-10	04/18/07	126.95	68.64	52.46	3.3	18.5		7.3	2223	7.4	2190	1400	-0.25	688	-20	-20	688	212	135	55.3	-1.0	-1.0	310	134	30	2.1	0.27	-0.10	-0.02
S-1	08/17/05					17.7		6.4	70	5.0	65	51	0.31	24	-20	-20	24	3.2	2.2	0.34	-1.0	-1.0	3.3	4.9	2.0	-1.0	0.69	-0.10	-0.01
S-1	09/15/05					21.7		6.9	98	6.9	105	61	0.34	35	-20	-20	35	6.7	3.4	0.58	1.8	-1.0	7.2	6.2	3.0	-1.0	0.22	-0.10	-0.01
S-1	10/19/05					16.2		7.0	72	5.3	72	50	-0.25	22	-20	-20	22	3.7	2.3	0.36	-1.0	-1.0	4.2	5.1	2.1	-1.0	-0.10	0.11	0.01
S-1	11/17/05					15.1	2.8	6.9	104	7.3	94	59	-0.25	26	-20	-20	26	5.8	2.8	0.48	-1.0	-1.0	6.2	6.6	3.0	1.3	-0.10	-0.10	-0.01
S-1	12/20/05					13.6	6.1	6.9	123	5.7	96	77	0.43	35	-20	-20	35	6.9	2.9	0.47	1.8	-1.0	6.6	6.3	2.7	-1.0	-0.10	-0.10	-0.01
S-1	01/18/06					11.6	5.8	6.6	51 Q	5.7	50	43	-0.25	21	-20	-20	21	2.8	3.7	0.28	-1.0	-1.0	1.3	3.3	1.3	2.0	-0.10	0.15	-0.01
S-1	02/23/06					12.5	4.2	6.6	77	5.8	58	31	-0.25	-20	-20	-20	-20	3.65	2.35	0.70	-1.0	-1.0	3.5	3.9	1.6	1.2	-0.10	-0.01	-0.01
S-1	03/29/06					11.5	10.5	5.2	50	5.5	43	57	-0.25	24	-20	-20	24	1.5	1.7	-0.25	2.2	-1.0	1.9	3.5	1.4	1.0	-0.10	-0.10	-0.01
S-1	04/21/06					11.3	5.7	7.0	51	5.9	44	20	-0.25	23	-20	-20	23	1.4	2.0	-0.25	-1.0	-1.0	2.3	3.7	1.7	3.6	-0.10	-0.10	-0.01
S-1	05/19/06					17.5	5.3	6.8	48	5.0	46	43	-0.25	28	-20	-20	28	1.1	1.7	-0.25	1.2	-1.0	2.3	4.0	1.8	-1.0	-0.10	-0.10	-0.01
S-1	06/14/06					15.2	5.0	7.2	45	6.7	54 Q	31	-0.25	22	-20	-20	22	1.2	1.5	-0.25	-1.0	-1.0	2.0	3.6	1.6	-1.0	-0.10	-0.10	-0.01
S-1	07/20/06					25.5	15.3	7.5	288 Q	6.3	83	67	-0.25	32	-20	-20	32	5.0	2.8	0.45	-1.0	-1.0	6.1	5.4	2.4	-1.0	0.19	0.11	0.02
S-1	10/16/06					16.0		5.2	129 Q	5.8	75	41	-0.25	24.2	-20	-20	24.2	3.0	1.8	0.29	-1.0	-1.0	27.0	4.6	2.0	2.6	-0.10	-0.10	-0.01
S-1	01/17/07					8.9	1.50	7.1	160 Q	5.0	117	66	-0.25	34.1	-20	-20	34.1	6.5	3.4	0.52	-1.0	-1.0	7.0	7.07	3.24	-1.0	-0.10	-0.10	0.01
S-1	04/16/07					17.2		6.2	131	7.8	103	51	-0.25	32	-20	-20	32	6.0	3.75	0.39	-1.0	-1.0	8.1	7.80	3.30	2.0	-0.10	-0.10	-0.00001
S-2	08/17/05					17.8		6.5	69	5.1	67	56	0.42	24	-20	-20	24	3.2	2.3	0.34	-1.0	-1.0	3.7	5.0	2.1	-1.0	0.71	-0.10	0.01
S-2	09/15/05					22.3		7.2	107	6.9	106	64	0.33	34	-20	-20	34	6.9	4.3	0.67	-1.0	-1.0	6.8	6.5	3.1	1.4	0.27	-0.10	-0.01
S-2	10/19/05					16.3		7.1	81	5.3	73	52	0.29	25	-20	-20	25	3.7	2.3	0.34	-1.0	-1.0	3.9	4.9	2.1	1.9	-0.10	0.12	0.01
S-2	11/17/05					14.1	2.5	6.9	107	7.0	98	71	-0.25	28	-20	-20	28	6.0	2.9	0.48	1.3	-1.0	6.7	7.1	3.1	1.4	-0.10	-0.10	-0.01
S-2	12/20/05					13.3	8.1	5.3	211	3.9	128	111	0.33	-20	-20	-20	-20	10	28 Q	0.52	2.4	-1.0	7.2	7.3	2.9	1.4	-0.10	-0.10	0.03
S-2(a)	12/20/05							7.1	107																				
S-2	01/18/06					11.0	6.9	6.1	40 Q	5.8	46	40	-0.25	17	-20	-20	17	1.19	1.86	0.25	-1.0	-1.0	1.2	3.5	1.3	2.0	-0.10	0.170	-0.01
S-2	02/23/06					12.7	4.5	6.7	65	5.5	53	32	-0.25	21	-20	-20	21	2.19	2.0	-0.25	2.1	-1.0	1.6	3.8	1.6	-1.0	-0.10	-0.01	-0.01
S-2	03/29/06					11.8	12.3	5.4	51	5.5	43	56	-0.25	23	-20	-20	23	1.5	1.6	-0.25	-1.0	-1.0	2.0	3.3	1.4	1.0	-0.10	-0.10	-0.01
S-2	04/21/06					12.0	7.8	7.0	56	5.7	42	28	-0.25	-20	-20	-20	-20	1.4	1.8	-0.25	-1.0	-1.0	1.9	3.5	1.5	1.5	-0.10	-0.10	-0.01
S-2	05/19/06					17.6	5.3	6.8	52	6.2	46	39	-0.25	25	-20	-20	25	1.1	1.8	-0.25	-1.0	-1.0	2.2	4.0	1.8	-1.0	-0.10	-0.10	-0.01
S-2	06/14/06					14.8	4.3	7.4	48	7.3	59 Q	25	-0.25	22	-20	-20	22	1.2	1.6	-0.25	-1.0	-1.0	2.2	3.5	1.5	-1.0	-0.10	-0.10	-0.01
S-2	07/20/06					25.3	11.0	7.4	112	6.3	82	52	-0.25	35	-20	-20	35	5.4	3.2	0.45	-1.0	-1.0	7.3	5.6	2.5	-1.0	-0.10	-0.10	-0.01
S-2	10/16/06					16.5		4.7	143 Q	6.3	69	34	-0.25	24.3	-20	-20	24.3	3.2	1.8	0.30	-1.0	-1.0	18.0	4.5	2.0	1.0	-0.10	-0.10	-0.01
S-2	01/17/07					9.5	2.3	7.1	148 Q	4.9	117	64	-0.25	34.6	-20	-20	34.6	6.7	3.5	0.52	-1.0	-1.0	6.9	7.37	3.33	-1.0	-0.10	-0.10	0.01
S-2	04/16/07					17.7		5.7	138	7.7	110	58	-0.25	34.2	-20	-20	34.2	6.54	6.3	0.94	-1.0	-1.0	6.4	7.30	3.20	1.9	-0.10	-0.10	0.03
Spring	12/20/05				7	17.9		6.5	999																				
Spring	01/18/06					17.1		6.4	760 Q																				
Spring	02/23/06					18.0		6.5	1029																				
Spring	03/29/06		covered by river																										
Spring	04/21/06		covered by river																										
Spring	05/19/06		covered by river																										
Spring	06/14/06		covered by river																										
Spring	07/20/06					22.0	32.5	7.3	934	6.9	921	600	-0.25	229	-20	-20	229	80	40	17	-1.0	-1.0	127	28	14	-1.0	0.37	-0.10	-0.01
Spring	10/16/06					19.0		6.8	915	6.6	881	590	-0.25	236	-20	-20	236	64	31	12	-1.0	-1.0	127	29	14	2.3	0.37	-0.10	-0.01
Spring	01/17/07					18.7	1.4	6.7	597 Q	Not sampled																			
Spring	04/18/07					17.4		7.1	923	Not sampled																			

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
MW-10	12/21/05	-0.10	-0.05	-0.05	5.0	165	-0.1	25	-1.0	-1.0	-10	45 Q	12	-2.0	0.12	1.7	-20	-0.50	-0.50	-0.50	-0.50	-0.50	138	-1			7.7	Special Monthly Sample
MW-10	01/19/06	-0.10	-0.05	-0.05	-1.0	222	-0.1	30	-1.0	-1.0	-10	-1.0	1.0	-2.0	0.15	14	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	4.4	Quarterly
MW-10	02/23/06	-0.10	-0.05	-0.05	1.5	247	-0.1	25	1.6	-1.0	-10	1.0	1.0	-2.0	0.13	1.3	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	4.4	Special Monthly Sample
MW-10	03/29/06	-0.10	-0.05	-0.05	-2.0	247	-0.1	31	-1.0	-1.0	-10	1.6	-1.0	-2.0	0.24	-1.0	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	4.4	Special Monthly Sample
MW-10	04/20/06	-0.10	-0.05	-0.05	1.0	271	-0.1	22	-1.0	-1.0	-10	5.0	1.6	-2.0	0.13	1.5	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	4.5	Quarterly
MW-10	05/22/06	0.18	-0.05	-0.05	-2.0	307	-0.1	13.3	-1.0	-1.0	-10	1.0	1.5	-2.0	0.13	7.3	-20	-0.50	-0.50	-0.50	-0.50	-0.50	23	-2	-2	-2	4.3	Special Monthly Sample
MW-10	06/14/06	-0.10	-0.05	-0.05	2.0	254	-0.1	14.0	-1.0	-1.0	-10	2.0	1.7	3.8	-0.05	-1.0	-20	-0.50	-0.50	-0.50	-0.50	-0.50	7	-2	-2	-2	4.6	Special Monthly Sample
MW-10	07/20/06	-0.10	-0.05	-0.05	2	277	-0.1	23.5	-1.0	-1.0	-10	2.0	-1.0	-2.0	0.04	1.2	-20	-0.50	-0.50	-0.50	-0.50	-0.50	13	2	2	-2	4.1	Quarterly
MW-10	10/17/06	-0.10	-0.05	-0.05	-2	262	-0.1	26.0	-1.0	-1.0	-10	2.2	1.6	-2.0	0.2	1.8	-20	-1.00	-1.00	-1.00	-1.00	-1.00	-2	2	2	-2	5.0	Annual
MW-10	01/16/07	-0.10	-0.05	-0.05	-5	275	-0.1	10.0	-1.0	-1.0	-10	-1.0	2.0	-2.0	0.12	1.8	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	7.2	Quarterly
MW-10	04/18/07	-0.05	-0.05	-0.05	2	327	-1.0	22.0	-1.0	-1.0	11	2.0	5.0	-20.0	0.06	2.3	-20	-0.50	-0.50	-0.50	-0.50	-0.50	-2	-2	-2	-2	6.3	Quarterly
S-1	08/17/05	-0.10	-0.05	-0.05											-0.05								23	23			0.3	Special Monthly Sample
S-1	09/15/05	0.12	-0.05	-0.05											-0.05								> 23	> 23	> 23	8	0.6	Quarterly, No analysis for THM's
S-1	10/19/05	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	500	170	17	50	0.4	Quarterly
S-1	11/17/05	-0.10	-0.05	-0.05											0.09			-0.50	-0.50	-0.50	-0.50	-0.50	30	23	13	13	0.5	Special Monthly Sample
S-1	12/20/05	-0.10	-0.05	-0.05			3.0654149								0.06			-0.50	-0.50	-0.50	-0.50	-0.50	110	30	13	13	0.6	Monthly, Sampled at 11:30 AM
S-1	01/18/06	-0.10	-0.05	-0.05			3.0661804								-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	500	70	26	80	0.2	Quarterly
S-1	02/23/06	-0.10	-0.05	-0.05			3.0662627								-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	26	7	7	-2	0.4	Special Monthly Sample
S-1	03/29/06	-0.10	-0.05	-0.05											0.07			-0.50	-0.50	-0.50	-0.50	-0.50	1600	1600	1600	500	0.2	Special Monthly Sample
S-1	04/21/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	500	17	17	130	0.2	Quarterly
S-1	05/19/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	220	8	8	13	0.2	Special Monthly Sample
S-1	06/14/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	240	22	17	240	0.2	Special Monthly Sample
S-1	07/20/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	110	30	30	130	0.5	Quarterly
S-1	10/16/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	240	130	50	50	2.6	Annual
S-1	01/17/07	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	14	2	2	-2	0.5	Quarterly
S-1	04/16/07	-0.05	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	80	4	4	8	0.6	Quarterly
S-2	08/17/05	-0.10	-0.05	-0.05											-0.05								23	23			0.4	Special Monthly Sample
S-2	09/15/05	0.15	-0.05	-0.05											0.05								> 23	> 23	> 23	12	0.5	Quarterly, No analysis for THM's
S-2	10/19/05	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	300	240	34	30	0.4	Quarterly
S-2	11/17/05	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	110	8	8	7	0.5	Special Monthly Sample
S-2	12/20/05	-0.10	-0.05	-0.05											0.06			-0.50	-0.50	-0.50	-0.50	-0.50	240	14	14	17	0.6	Monthly, Sampled @ 10:45 AM
S-2(a)	12/20/05																											2nd Measurement at 11:40 AM
S-2	01/18/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	170	50	50	80	0.1	Quarterly
S-2	02/23/06	-0.10	-0.05	-0.05											0.06			-0.50	-0.50	-0.50	-0.50	-0.50	50	23	23	14	0.2	Special Monthly Sample
S-2	03/29/06	-0.10	-0.05	-0.05											-0.05			-0.05	-0.05	-0.05	-0.05	-0.05	900	900	900	900	0.2	Special Monthly Sample
S-2	04/21/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	130	27	27	50	0.2	Quarterly
S-2	05/19/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	50	22	14	30	0.2	Special Monthly Sample
S-2	06/14/06	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	170	23	23	300	0.2	Special Monthly Sample
S-2	07/20/06	-0.10	-0.05	0.09											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	300	50	50	240	0.6	Quarterly
S-2	10/16/06	-0.10	-0.05	-0.05								-1			-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	170	50	50	30	1.8	Annual
S-2	01/17/07	-0.10	-0.05	-0.05											-0.05			-0.50	-0.50	-0.50	-0.50	-0.50	17	-2	-2	-2	0.5	Quarterly
S-2	04/16/07	-0.05	-0.05	-0.05											0.27			-0.50	-0.50	-0.50	-0.50	-0.50	130	4	4	2	0.5	Quarterly
Spring	12/20/05																											Special Field Measurement
Spring	01/18/06																											Special Field Measurement
Spring	02/23/06																											Special Field Measurement
Spring	03/29/06																											Covered by River
Spring	04/21/06																											Covered by River
Spring	05/19/06																											Covered by River
Spring	06/14/06																											Covered by River
Spring	07/20/06	-0.10	-0.05	-0.05	7	118	-0.1	8.6	-1.0	-1.0	-10	3.7	-1.0	-2.0	0.62	1.1	-20	-0.50	1.07	-0.50	-0.50	1.07	26	-2	-2	2	4.9	Special Sample
Spring	10/16/06	-0.10	-0.05	-0.05	6.3	78	-0.1	9.0	-1.0	-1.0	-10	3.9	-1.0	-2.0	1.30	1.9	-20	-0.50	1.07	-0.50	-0.50	1.07	7	-2	-2	2	4.8	Annual
Spring	01/17/07																											Quarterly
Spring	04/18/07																											Quarterly

Water Quality Database - Quarterly Monitoring Constituents - Hughson WWTF

			Field Measurements (unless noted)							Quarterly Laboratory Analyses																					
Well / Site	Date	MP Elevation	Depth to Water[Ψ] *ft*	Static Water Level *ft, MSL*	Purge Volume *gal*	Temp-erature *deg C*	Turbidity *NTUs*	pH *std units*	EC *umhos/cm*	Lab pH *std units*	Lab EC *umhos/cm*	TDS *mg/l*	MBAS *mg/l*	Total Alkalinity (as CaCO3) *mg/l*	Hydroxide Alkalinity (as CaCO3) *mg/l*	Carbonate (as CaCO3) *mg/l*	Bicarbonate (as CaCO3) *mg/l*	Chloride *mg/l*	Sulfate *mg/l*	Nitrate (as N) *mg/l*	TKN *mg/l*	Ammonia (as N) *mg/l*	Sodium *mg/l*	Calcium *mg/l*	Magnesium *mg/l*	Potassium *mg/l*	Boron *mg/l*	Iron *mg/l*	Man-ganese *mg/l*
MCL (Secondary DWS where shaded)							*5*	*6.5-8.5*	*900*	*6.5-8.5*	*900*	*500*	*5.0*					*250*	*250*	*10*								*0.3*	*0.05*
P-1	08/15/05	103.28	42.07	61.21																											
P-1	09/15/05	103.28	42.91	60.37																											
P-1	10/18/05	103.28	42.31	60.97																											
P-1	11/16/05	103.28	41.57	61.71																											
P-1	12/20/05	103.28	40.24	63.04																											
P-1	01/17/06	103.28	35.65	67.63																											
P-1	02/21/06	103.28	37.98	65.30																											
P-1	03/28/06	103.28	36.23	67.05																											
P-1	04/18/06	103.28	33.73	69.55																											
P-1	05/19/06	103.28	33.55	69.73																											
P-1	06/13/06	103.28	35.25	68.03																											
P-1	07/19/06	103.28	38.99	64.29																											
P-1	08/21/06	103.28	38.77	64.51																											
P-1	10/16/06	103.28	37.9	65.38																											
P-1	01/16/07	103.28	37.72	65.56																											
P-1	04/16/07	103.28	41.89	61.39																											
P-2	08/15/05	113.21	44.07	69.14																											
P-2	09/15/05	113.21	44.14	69.07																											
P-2	10/18/05	113.21	43.61	69.60																											
P-2	11/16/05	113.21	41.77	71.44																											
P-2	12/20/05	113.21	41.70	71.51																											
P-2	01/17/06	113.21	39.43	73.78																											
P-2	02/21/06	113.21	40.75	72.46																											
P-2	03/28/06	113.21	40.93	72.28																											
P-2	04/18/06	113.21	39.24	73.97																											
P-2	05/19/06	113.21	38.87	74.34																											
P-2	06/13/06	113.21	39.60	73.61																											
P-2	07/19/06	113.21	40.07	73.14																											
P-2	08/21/06	113.21	40.22	72.99																											
P-2	10/16/06	113.21	38.64	74.57																											
P-2	01/16/07	113.21	37.87	75.34																											
P-2	04/16/07	113.21	44.18	69.03																											
River	08/15/05	48.67	0.39	49.06																											
River	09/16/05	47.31	0.08	47.39	(middle gage)																										
River	10/18/05	47.31	1.02	48.33	(middle gage)																										
River	11/16/05	44.59	2.97	47.56	(lower gage)																										
River	12/20/05	44.59	3.01	47.60	(lower gage)																										
River	01/17/06	50.69	abv gage	59.20	(from Transducer)																										
River	02/21/06	50.69	3.1	53.79	(upper gage)																										
River	03/28/06	50.69	abv gage	59.50	(from Transducer)																										
River	04/18/06	50.69	abv gage	63.7	(estimated - above Transducer)																										
River	05/19/06	50.69	abv gage	63.4	(estimated - above Transducer)																										
River	06/12/06	50.69	abv gage	59.26	(from Transducer)																										
River	08/21/06	50.69	-0.3	50.39	(upper gage)																										
River	10/16/06	50.69	Not measured due to construction crew working on River levee.																												
River	01/16/07	50.69	Not measured.																												
River	04/16/07	50.69	Not measured.																												

[Ψ] Depth to Water Measurements taken prior to purging of any monitor well. The actual date of measurement may be prior to the sampling date.

[1] Field measurements by City of Hughson

[2] Suspected laboratory measurements

[3] Fecal coliform not analyzed because total coliform was non-detect. Therefore, the value listed for fecal coliform is same as total coliform.

[4] Insufficient sample volume to analyze

Q Data has been qualified.

Green (dark) highlighted data indicates suspect data that may need to be qualified or may need to be modified following laboratory review of reported data.

Orange (dark) highlighted datasets indicate early sampling periods at monitor wells prior to stabilization of groundwater conditions.

		Quarterly Laboratory Analyses (continued)																										
Well / Site	Date	Aluminum *mg/l*	Copper *mg/l*	Zinc *mg/l*	Arsenic *ug/l*	Barium *ug/l*	Cadmium *ug/l*	Chromium *ug/l*	Lead *ug/l*	Mercury *ug/l*	Molyb-denum *ug/l*	Nickel *ug/l*	Selenium *ug/l*	Silver *ug/l*	Phospho-rous-P *mg/l*	TOC *mg/l*	COD *mg/l*	Bromoform *ug/l*	Chloroform *ug/l*	Bromo-dichloro-methane *ug/l*	Dibromo-chloro-methane *ug/l*	Total THMs *ug/l*	Total Coliform Organisms *MPN/100ml*	Fecal Coliform Organisms *MPN/100ml*	Escheria Coliform Organisms *MPN/100ml*	Streptococcus Coliform Organisms *MPN/100ml*	Sodium Absorption Ratio (SAR) *(none)*	Comment
MCL (Secondary DWS v		*0.2*	*1.3*	*5.0*	*50*	*1000*	*5*	*50*	*15*	*2*		*100*	*50*	*100*								*100*	*ND*	*ND*				
P-1	08/15/05																											DTW measurement only
P-1	09/15/05																											DTW measurement only
P-1	10/18/05																											DTW measurement only
P-1	11/16/05																											DTW measurement only
P-1	12/20/05																											DTW measurement only
P-1	01/17/06																											DTW measurement only
P-1	02/21/06																											DTW measurement only
P-1	03/28/06																											DTW measurement only
P-1	04/18/06																											DTW measurement only
P-1	05/19/06																											DTW measurement only
P-1	06/13/06																											DTW measurement only
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P-1	08/21/06																											DTW measurement only
P-1	10/16/06																											DTW measurement only
P-1	01/16/07																											DTW measurement only
P-1	04/16/07																											DTW measurement only
P-2	08/15/05																											DTW measurement only
P-2	09/15/05																											DTW measurement only
P-2	10/18/05																											DTW measurement only
P-2	11/16/05																											DTW measurement only
P-2	12/20/05																											DTW measurement only
P-2	01/17/06																											DTW measurement only
P-2	02/21/06																											DTW measurement only
P-2	03/28/06																											DTW measurement only
P-2	04/18/06																											DTW measurement only
P-2	05/19/06																											DTW measurement only
P-2	06/13/06																											DTW measurement only
P-2	07/19/06																											DTW measurement only
P-2	08/21/06																											DTW measurement only
P-2	10/16/06																											DTW measurement only
P-2	01/16/07																											DTW measurement only
P-2	04/16/07																											DTW measurement only
River	08/15/05																											River level measurement only
River	09/16/05																											River level measurement only
River	10/18/05																											River level measurement only
River	11/16/05																											River level measurement only
River	12/20/05																											River level measurement only
River	01/17/06																											River level measurement only
River	02/21/06																											River level measurement only
River	03/28/06																											River level measurement only
River	04/18/06																											River level measurement only
River	05/19/06																											River level measurement only
River	06/12/06																											River level measurement only
River	08/21/06																											River level measurement only
River	10/16/06																											River level measurement only
River	01/16/07																											River level measurement only
River	04/16/07																											River level measurement only

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ATTACHMENT B
Field Forms and Field Equipment Calibration Records

ATTACHMENT C
Laboratory Reports