AUGUST 18, 2011

2011 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT

FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY

HENDERSON, NEVADA

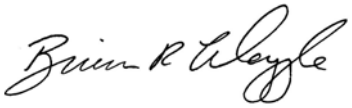
HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

JURAT

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

For the services provided and attested to with this Jurat including the compilation of data and information collected by other firms pertaining to this comprehensive groundwater data report.

HARGIS + ASSOCIATES, INC.



Brian R. Waggle, RG, CEM
Senior Hydrogeologist
Nevada Certified Environmental Manager
No. EM - 1903 (Expires 05/27/12)

Date Signed: August 18, 2011

HARGIS + ASSOCIATES, INC.

2011 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT

FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY

HENDERSON, NEVADA

TABLE OF CONTENTS

Section Page

1.0 INTRODUCTION 1
2.0 GROUNDWATER CONDITIONS 2
2.1 GROUNDWATER FLOW 2
2.2 GROUNDWATER QUALITY 3
2.2.1 Volatile Organic Compounds 4
2.2.1.1 Shallow Zone 5
2.2.1.2 Middle Zone 6
2.2.2 Organochlorine Pesticides 6
2.2.2.1 Shallow Zone 6
2.2.2.2 Middle Zone 7
2.2.3 Metals 7
2.2.3.1 Shallow Zone 7
2.2.3.2 Middle Zone 8
2.2.4 General Chemistry 8
2.2.4.1 Shallow Zone 8
2.2.4.2 Middle Zone 9
2.2.5 Dense Non-Aqueous Phase Liquids 9
2.3 GROUNDWATER TREATMENT SYSTEM 9
2.3.1 Operations 9
2.3.2 Capture 10
2.3.3 Influent Trends 11
3.0 ONGOING ISSUES 12
4.0 REFERENCES CITED 13

TABLE OF CONTENTS (Continued)

TABLES

Table

1 WATER LEVEL DATA, SECOND QUARTER 2011
2 WATER QUALITY DATA, SECOND QUARTER 2011
3 FIELD PARAMETER DATA, SECOND QUARTER 2011
4 SHALLOW ZONE WATER QUALITY – 2011 COMPOUND PREVALENCE
5 MIDDLE ZONE WATER QUALITY – 2011 COMPOUND PREVALENCE
6 DEEP ZONE WATER QUALITY – 2011 COMPOUND PREVALENCE

ILLUSTRATIONS

Figure

1 STUDY AREA
2 SHALLOW ZONE, GROUNDWATER GRADIENT AND FLOW DIRECTION
3 MIDDLE ZONE, GROUNDWATER GRADIENT AND FLOW DIRECTION
4 DEEP ZONE, GROUNDWATER GRADIENT AND FLOW DIRECTION
5 BENZENE, SHALLOW ZONE, SECOND QUARTER 2011
6 CHLOROBENZENE, SHALLOW ZONE, SECOND QUARTER 2011
7 CHLOROFORM, SHALLOW ZONE, SECOND QUARTER 2011
8 1,2 - DICHLOROBENZENE, SHALLOW ZONE, SECOND QUARTER 2011
9 1,4 - DICHLOROBENZENE, SHALLOW ZONE, SECOND QUARTER 2011
10 ALPHA-BHC, SHALLOW ZONE, SECOND QUARTER 2011
11 BETA-BHC, SHALLOW ZONE, SECOND QUARTER 2011
12 GAMMA-BHC, SHALLOW ZONE, SECOND QUARTER 2011

TABLE OF CONTENTS (Continued)

13 ARSENIC, SHALLOW ZONE, SECOND QUARTER 2011
14 URANIUM, SHALLOW ZONE, SECOND QUARTER 2011
15 PERCHLORATE, SHALLOW ZONE, SECOND QUARTER 2011
16 TOTAL DISSOLVED SOLIDS, SHALLOW ZONE, SECOND QUARTER 2011
17 BENZENE, MIDDLE ZONE, SECOND QUARTER 2011
18 CHLOROBENZENE, MIDDLE ZONE, SECOND QUARTER 2011
19 CHLOROFORM, MIDDLE ZONE, SECOND QUARTER 2011
20 1,2 -DICHLOROBENZENE, MIDDLE ZONE, SECOND QUARTER 2011
21 1,4 -DICHLOROBENZENE, MIDDLE ZONE, SECOND QUARTER 2011
22 ALPHA-BHC, MIDDLE ZONE, SECOND QUARTER 2011
23 BETA-BHC, MIDDLE ZONE, SECOND QUARTER 2011
24 GAMMA-BHC, MIDDLE ZONE, SECOND QUARTER 2011
25 ARSENIC, MIDDLE ZONE, SECOND QUARTER 2011
26 URANIUM, MIDDLE ZONE, SECOND QUARTER 2011
27 PERCHLORATE, MIDDLE ZONE, SECOND QUARTER 2011
28 TOTAL DISSOLVED SOLIDS, MIDDLE ZONE, SECOND QUARTER 2011
29 SHALLOW ZONE FIELD PARAMETERS, SECOND QUARTER 2011
30 MIDDLE ZONE FIELD PARAMETERS, SECOND QUARTER 2011
31 DEEP ZONE FIELD PARAMETERS, SECOND QUARTER 2011
32 EVIDENCE OF POTENTIAL DNAPL IN THE MIDDLE ZONE

APPENDICES

Appendix

A ANALYTICAL LABORATORY REPORTS

ACRONYMS AND ABBREVIATIONS

1,2-DCB	1,2-dichlorobenzene
1,4-DCB	1,4-dichlorobenzene
AMPAC	American Pacific Corporation
BCL	NDEP Basic Comparison Level
BHC	benzene hexachloride
BRC	Basic Remediation Company
CAMU	corrective action management unit
DNAPL	dense non-aqueous phase liquid
EPA	U.S. Environmental Protection Agency
ft/ft	feet per foot
GWTS	groundwater treatment system
H+A	Hargis + Associates, Inc.
MCL	maximum contaminant level
mg/l	milligrams per liter
µg/l	micrograms per liter
Montrose	Montrose Chemical Corporation of California
NDEP	Nevada Division of Environmental Protection
Olin	Olin Corporation
SOPs	standard operating procedures
SMC	Stauffer Management Company, LLC
Syngenta	Syngenta Crop Protection, LLC
TDS	total dissolved solids
the Companies	Montrose, SMC/Syngenta, and Olin Corporation
VOCs	volatile organic compounds

2011 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT

FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY

HENDERSON, NEVADA

1.0 INTRODUCTION

This report was compiled by Hargis + Associates, Inc. (H+A) on behalf of Montrose Chemical Corporation of California (Montrose), Stauffer Management Company, LLC/Syngenta Crop Protection, LLC (SMC/Syngenta), and Olin Corporation (Olin) (the Companies) to present 2011 annual groundwater monitoring data collected at the Companies' Henderson, Nevada study area (Figure 1).

All groundwater monitoring was performed in accordance to the 2011 groundwater monitoring plan prepared on behalf of the Companies (H+A, 2011b). The Nevada Division of Environmental Protection (NDEP) accepted the 2011 plan on March 8, 2011 (NDEP, 2011). Similar to previous years, data from the 2011 plan were supplemented by data from other monitoring programs conducted in the BMI area.

All groundwater data were collected using methods and procedures in accordance with the field sampling and standard operating procedures (SOPs) developed for the study area (H+A, 2007) and with SOPs developed by Basic Remediation Company (BRC) (BRC, 2008). All groundwater monitoring activities presented in this report were conducted during the second quarter 2011.

2.0 GROUNDWATER CONDITIONS

The following sections briefly discuss groundwater flow and quality conditions in the study area during the second quarter 2011. Discussions of the operation of the groundwater treatment system (GWTS) during the preceding year are also provided.

2.1 GROUNDWATER FLOW

Directions and gradients

Water levels from each of the three hydrostratigraphic zones were measured at monitor wells located throughout the study area (Table 1). The direction of groundwater flow in the shallow zone was to the north-northeast during the second quarter 2011 (Figure 2). The hydraulic gradient in the southern portion of the study area to the former Montrose and Stauffer facilities ranged between approximately 0.01 and 0.03 feet per foot (ft/ft). The gradient decreased to approximately 0.01 ft/ft north of the former facilities (Figure 2). The direction of groundwater flow and the flow gradients in the shallow zone during the second quarter 2011 were consistent with previous shallow zone conditions (H+A, 2010a and 2011c).

The direction of groundwater flow in the middle zone was to the north during the second quarter 2011 (Figure 3). The hydraulic gradient in the middle zone ranged between approximately 0.02 and 0.03 ft/ft. The direction of groundwater flow and the flow gradients in the middle zone during the second quarter 2011 were consistent with previous middle zone conditions (H+A, 2010a and 2011c).

The direction of groundwater flow in the deep zone was predominately north during the second quarter 2011 (Figure 4). The hydraulic gradient across the study area was approximately 0.02 ft/ft. The direction of groundwater flow and the flow gradient in the deep zone during the second quarter 2011 were consistent with previous deep zone conditions (H+A, 2010a and 2011c).

Vertical Head Differences

Groundwater elevations determined at monitor wells completed in the middle zone ranged from less than one to 13 feet higher in elevation compared to groundwater elevations at nearby shallow zone monitor wells during the second quarter 2011. This indicates that an upward vertical gradient exists between the Muddy Creek formation and the shallow zone. The upward vertical gradient during the second quarter 2011 was consistent with previous vertical head conditions (H+A, 2010a and 2011c).

Groundwater elevations measured from monitor wells completed in the deep zone were higher than groundwater elevations measured from both middle and shallow zone monitor wells. Groundwater elevations at deep zone monitor wells ranged from approximately 39 to 96 feet higher in elevation compared to nearby shallow zone monitor wells, and approximately 39 to 59 feet higher in elevation compared to nearby middle zone monitor wells during the second quarter 2011. These data indicate an upward vertical hydraulic groundwater gradient between the deep zone and the overlying middle and shallow zones. These data combined with lithologic data also suggest that the upper portions of the Muddy Creek formation act as a confining unit (or aquitard) between the deep and shallow zones. These conditions are consistent with previous vertical head conditions (H+A, 2010a and 2011c).

2.2 GROUNDWATER QUALITY

The annual 2011 site-wide monitoring event included the collection of groundwater samples from each of the three hydrostratigraphic zones. Groundwater samples were analyzed for the following chemical groups:

- Volatile organic compounds (VOCs) analyzed by US Environmental Protection Agency (EPA) method 8260B,
- Organochlorine pesticides analyzed by EPA method 8081A,
- Selected metals analyzed by EPA methods 6020 and 7470A, and
- General chemistry, including total dissolved solids (TDS) and perchlorate using various methods.

Other data sets utilized in this report included:

- Montrose semi-annual closed ponds area monitoring program,
- The Companies' quarterly GWTS Consent Order monitoring program,
- The Companies' quarterly GWTS transect monitoring program,
- The Companies' 2011 Annual GWTS extraction well monitoring program,
- 2011 Tronox, LLC/Nevada Environmental Response Trust monitoring program,
- 2011 BRC CAMU monitoring program, and
- 2011 American Pacific Corporation (AMPAC) monitoring program.

Analytical data for all Company and BMI well locations sampled during the second quarter 2011 are provided in Table 2. Chemicals and constituents that were detected at a concentration greater than their applicable maximum contaminant level (MCL) or basic comparison level (BCL) are denoted on Table 2. Field parameter data measured during groundwater sampling are provided in Table 3. Field parameter data will continued to be measured during future monitoring events and will be compared as subsequent reports are prepared. Chemical prevalence for each zone is provided in Tables 4 through 6. Analytical laboratory reports are provided in Appendix A.

The distributions of the prevalent chemicals and constituents in the shallow zone are illustrated in Figures 5 through 16. Concentrations of these same chemicals and constituents in the middle zone are posted on Figures 17 through 28. Middle zone well coverage is insufficient to prepare isoconcentration maps for the middle zone. No maps were prepared for the deep zone since these chemicals and constituents are not prevalent. Field parameters for monitor wells completed in each zone are illustrated in Figures 29 through 31.

2.2.1 Volatile Organic Compounds

The most prevalent VOCs that are consistently detected in the shallow and middle zones above their respective MCL and/or BCL have been benzene, chlorobenzene, chloroform, 1,2-dichlorobenzene (1,2-DCB), and 1,4-dichlorobenzene (1,4-DCB) (Table 2). The following sections provide a brief overview of the results for each of these prevalent VOCs.

2.2.1.1 Shallow Zone

Benzene

The distribution of benzene is shown on Figure 5. Comparison of the 2011 distribution and the 2010 distribution indicate no significant changes in the area upgradient of the GWTS (H+A, 2011c). However, there was a significant difference in the distribution of benzene downgradient (north) of the GWTS. Benzene concentrations increased at monitor well MC-114 from less than 2 micrograms per liter (µg/l) to 290 µg/l. Benzene was also detected greater than the MCL in other monitor wells in the vicinity, including wells MC-50, MC-113 and MC-09R (Figure 5).

Chlorobenzene

The distribution of chlorobenzene is shown on Figure 6. Comparison of the 2011 distribution and the 2010 distribution indicates no significant difference in the plume area upgradient of the GWTS; however some fluctuations in the concentrations in the central portion of the plume are evident (H+A, 2011c). Chlorobenzene decreased from 260,000 µg/l to 48,000 µg/l at monitor well AA-BW-08A and increased from 0.45 µg/l to 300 µg/l at monitor well MC-114 (Figure 6).

Chloroform

The distribution of chloroform is shown on Figure 7. Comparison of the 2011 distribution and the 2010 distribution indicates no significant difference in the study area (H+A, 2011c). However, chloroform was detected in shallow zone monitor wells AA-MW-24 and MW-01 located upgradient of the former facilities at 160 µg/l and 3.2 µg/l, respectively (Figure 7).

1,2-Dichlorobenzene

The distribution of 1,2-DCB is shown on Figure 8. Comparison of the 2011 distribution and the 2010 distribution indicates a significant reduction in the contaminant area (H+A, 2011c). The reduction in area is based on significant decreases in concentrations of 1,2-DCB at monitor wells EC-02 (from 1,300 µg/l to 66 µg/l), EC-02 (from less than 2,000 µg/l to 200 µg/l) and H-43 (from 1,400 µg/l to 400 µg/l) (Figure 8).

1,4-Dichlorobenzene

The distribution of 1,4-DCB is shown on Figure 9. Comparison of the 2011 distribution and the 2010 distribution indicates no significant changes in the plume area but do indicate a reduction in 1,4-DCB concentrations in the central portion of the study area (H+A, 2011c).

The concentration of 1,4-DCB at monitor well EC-02 decreased from 2,100 µg/l to 73 µg/l between 2010 and 2011 (Figure 9).

2.2.1.2 Middle Zone

The distributions of benzene, chlorobenzene, chloroform, 1,2-DCB, and 1,4-DCB are shown on Figures 17 though 21. The concentrations of these VOCs in 2011 are consistent with those in 2010 (H+A, 2011c). However, the distributions of some of these VOCs now extend downgradient (north) and cross-gradient (southeast) of the GWTS where water quality data are now available from five recently installed middle zone monitor wells. Review of the data indicates that benzene and chlorobenzene are present at concentrations greater than their MCLs in these areas. No other VOCs are present at concentrations greater than their respective MCLs. However, the concentrations of these VOCs are orders of magnitude greater in the upgradient areas compared to downgradient and cross-gradient areas.

2.2.2 Organochlorine Pesticides

The most prevalent organochlorine pesticides consistently detected in the shallow and middle zones above their respective MCL or BCL included alpha-, beta-, and gamma-benzene hexachloride (BHC) (Table 2).

2.2.2.1 Shallow Zone

Alpha-BHC

The distribution of alpha-BHC is shown on Figure 10. Comparison of the 2011 distribution and 2010 distribution indicates that the extent of the area greater than the BCL has increased slightly to the west of the manufacturing facilities, but has not changed significantly elsewhere (H+A, 2011c). The nominal increase in alpha-BHC is limited to monitor well EC-10 where the concentration increased from 0.0087 µg/l to 0.054 µg/l between 2010 and 2011.

Beta-BHC

The distribution of beta-BHC is shown on Figure 11. Comparison of the 2011 distribution and 2010 distribution indicates that the extent of the area greater than the BCL has not changed significantly.

Gamma BHC

The distribution of gamma-BHC is shown on Figure 12. Comparison of the 2011 distribution and the 2010 distribution indicates that the extent of the area greater than the MCL has not changed significantly. The concentrations of gamma-BHC downgradient (north) of the GWTS are less than the BCL and MCL of 0.2 µg/l.

2.2.2.2 Middle Zone

The distributions of alpha-, beta-, and gamma-BHC are shown on Figures 22 through 24, respectively. The concentrations of these isomers in 2011 are consistent with those in 2010 (H+A, 2011c). However, data from the installation of the five new additional middle zone monitor wells downgradient of the GWTS show that concentrations of alpha- and beta-BHC are at concentrations greater than their BCL in one or more of the new monitor wells. The concentrations of gamma-BHC downgradient of the GWTS are all less than the BCL and MCL of 0.2 µg/l (Figures 22 through 24).

2.2.3 Metals

The most prevalent metals consistently detected in the shallow and middle zones above their respective MCL or BCL included arsenic and uranium (Table 2).

2.2.3.1 Shallow Zone

Arsenic

The distribution of arsenic is shown in Figure 13. Arsenic is a naturally occurring metal in shallow zone groundwater in the study area (H+A, 2008). Comparison of the distribution of arsenic in 2011 to the distribution in 2010 indicates that the extent of the area greater than the MCL has not changed significantly. The concentration ranges in 2011 are within the historic ranges of concentrations previously detected in the study area.

Uranium

The distribution of uranium is shown in Figure 14. Uranium is a naturally occurring metal in shallow zone groundwater in the study area (H+A, 2008). Comparison of the distribution of uranium in 2011 to the distribution in 2010 indicates that the extent of the area greater than the MCL has not changed significantly.

The only significant change in uranium concentration was that the maximum concentration was detected in shallow zone monitor well EC-02 where concentrations increased from less than the detection limit of 25 µg/l in 2010 to 590 µg/l in 2011.

2.2.3.2 Middle Zone

The distributions of arsenic and uranium are shown on Figures 25 and 26. Similar to the other chemical groups discussed above, the concentrations of these metals in 2011 are consistent with those in 2010 (H+A, 2011c). However, the distributions of these metals now are shown north and southeast of the GWTS with the installation of the five additional middle zone monitor wells. Review of the data indicates that arsenic is present at concentrations greater than its MCL at all five new monitor well locations. Uranium is present in all wells, but at concentrations less than its MCL.

2.2.4 General Chemistry

For the purposes of this report, the general inorganic chemicals perchlorate and TDS in the shallow and middle zones are discussed based on their relevancy to the study area. The results of groundwater sampling for all inorganic chemicals are summarized in Table 2.

2.2.4.1 Shallow Zone

Perchlorate

The distribution of perchlorate is shown in Figure 15. Comparison of the distribution of perchlorate in 2011 to the distribution in 2010 indicates that the extent of the area greater than the BCL has not changed significantly. Perchlorate detected in the area of the former Montrose and Stauffer facilities continues to be orders-of-magnitude less than concentrations to the east and west of the former facilities (Figure 15).

Total Dissolved Solids

The distribution of TDS is shown in Figure 16. Comparison of the distribution of TDS in 2011 to the distribution in 2010 indicates that the extent of the area greater than 5,000 milligrams per liter (mg/l) has not changed significantly.

2.2.4.2 Middle Zone

The distributions of perchlorate and TDS are shown on Figures 27 and 28. Similar to the other chemical groups discussed above, the concentrations of these constituents in 2011 are consistent with those in 2010 (H+A, 2011c).

However, the distributions of these constituents now extend north and southeast of the GWTS with the installation of the five additional middle zone monitor wells. Review of the data indicates that perchlorate is present at concentrations greater than its BCL at two of the five new monitor well locations. There is no BCL or MCL for TDS.

2.2.5 Dense Non-Aqueous Phase Liquids

Dense non-aqueous phase liquids (DNAPL) were not reported at any shallow or deep zone monitor wells during the second quarter 2011. DNAPL was reported at middle zone monitor wells MC-MW-11, MC-MW-12, and MC-MW-18. However, DNAPL has been identified at each of these monitor wells in the past (H+A, 2010a and 2011c) (Figure 32).

2.3 GROUNDWATER TREATMENT SYSTEM

2.3.1 Operations

All fourteen extraction wells were operational throughout the past year, except for approximately 8 days from February 28, 2011 to March 8, 2011, due to denied access to the GTWS area by Basic Environmental Company. All extraction wells were immediately reactivated once access was restored. Some extraction wells were also off-line for varying periods of time due to maintenance of components of specific wells, extraction well pump cleaning, extraction well redevelopment, and routine short-term system shutdowns related to air stripper maintenance.

The overall extraction well flowrate averaged 133 gallons per minute over the reporting period. The total volume of groundwater processed during this period was over 71,000,000 gallons. Air stripper efficiency exceeded 99.9 percent. All treated effluent was discharged to the east, center, and west recharge trenches.

The Companies' performed the 2011 annual GWTS extraction well monitoring program during the second quarter 2011. This program is conducted voluntarily by the Companies to generate data used in the operation of the GWTS.

Groundwater samples were collected from each of the 14 active GWTS area extraction wells on April 8, 2011. The groundwater samples were analyzed for:

- VOCs analyzed by EPA method 8260B,
- Organochlorine pesticides analyzed by EPA method 8081A,
- Resource Conservation and Recovery Act metals analyzed by various EPA methods, and
- TDS analyzed by standard method 2540C.

The results of the annual GWTS extraction well monitoring program are summarized in Table 2. A review of the results indicates that concentrations of chemicals and constituents fluctuated somewhat between 2010 and 2011 (H+A, 2011c). However, these fluctuations are present in the data from year to year and overall the 2011 concentrations are consistent with the results from 2010.

2.3.2 Capture

The Companies evaluate GWTS capture on a quarterly basis. Capture is based upon water level measurements collected from all GWTS area shallow zone monitor wells, extraction wells, and piezometers and is reported in the quarterly GWTS data submittals.

Throughout the last four quarters, including the second quarter 2011, triangular network and particle tracking maps have identified one area of possible incomplete capture, the area between extraction wells C and J (H+A, 2010b and 2011a; *demaximis, inc.*, 2011a and 2011b). Capture in this area has been previously identified as possibly incomplete from data collected during prior monitoring periods. During some periods of time, some particles are present beyond the extraction well line in the central or eastern portion of the well field. However, these particles return to the well line in response to mounding at the recharge trenches (H+A, 2010b and 2011a; *demaximis, inc.*, 2011a and 2011b).

System enhancements are presently underway with the installation of two additional extraction wells in the GWTS area as described in the quarterly reports and below (Section 3.0).

2.3.3 Influent Trends

Influent and effluent samples were collected and analyzed weekly during the reporting period pursuant to the Consent Order and requirements of the Clark County DAQEM. All influent and effluent samples were analyzed for VOCs including benzene, chlorobenzene, chloroform, dimethyl disulfide, 1,2-DCB, 1,4-DCB, 1,3-dichlorobenzene, and 1,2,4-trichlorobenzene using EPA Method 8260B, and semi VOCs using EPA Method 8270C pursuant to the requirements of the Consent Order.

During the reporting period, influent concentrations ranged from a low of 9,980 µg/l total VOCs during the week of 4/1/2011, to a high of 32,119 µg/l during the week ending 8/13/2011. Among the two major VOCs, benzene ranged from a low of 4,600 µg/l to a high of 15,000 µg/l; while chlorobenzene ranged from a low of 4,800 µg/l to a high of 15,000 µg/l. Influent concentrations neither trended upward, nor downward, but rather, rose and fell inconsistently. This is consistent with influent conditions in previous years.

3.0 ONGOING ISSUES

The NDEP-approved 2011 site-wide monitoring program plan was implemented by the Companies during the second quarter 2011. The data generated by the program is presented in this report. Review of the program data indicates that the program sufficiently characterized present day groundwater conditions in the study area.

The Companies are presently working on the following site-wide groundwater monitoring program related tasks. NDEP will be kept updated on the status of each of these tasks as each progress:

- Groundwater capture is being enhanced by the addition of two wells at the extraction well line. The installation of these two new extraction wells and adjacent water level piezometers in the GWTS area is presently under way and is expected to be completed by August 30, 2011.
- The plugging, abandonment, and replacement of deep zone monitor well DMC-MW-27 located near the former closed ponds area. This work is tentatively planned to start in late September 2011.
- The plugging, abandonment, and replacement of shallow zone monitor well AA-MW-13 located at the Olin facility. This work is tentatively planned to start in late August 2011.
- Sampling of all new extraction wells and monitor wells listed above. This task is scheduled for September 2011.
- The Companies are presently in the initial stages of preparing the 2012 site-wide groundwater monitoring plan. The 2012 plan will be submitted to NDEP on or before the requested date of October 1, 2011.
- Field parameters are included in this report and will be tracked in future reports.
- NDEP and the Companies are conducting a series of meetings to identify and resolve additional issues. These issues will be tracked in subsequent reports.

4.0 REFERENCES CITED

Basic Remediation Company (BRC), 2008. BRC Field Sampling and Standard Operating Procedures, BMI Common Areas, Clark County, Nevada. December 2008.

de maximis, inc. 2011a. Quarterly Operations Report, First Quarter 2011, Groundwater Treatment System, Henderson, Nevada. May 13, 2011.

de maximis, inc. 2011b. Quarterly Operations Report, First Quarter 2011, Groundwater Treatment System, Henderson, Nevada. August 12, 2011.

Hargis + Associates, Inc. (H+A), 2007. Field Sampling and Standard Operating Procedures, Site-Wide Soil and Groundwater Investigations, Former Montrose and Stauffer Sites, Henderson, Nevada; Revision 2.0. May 11, 2007.

_____, 2008. Revision 1.0 Conceptual Site Model, Former Montrose and Stauffer Facilities and Downgradient Areas to Las Vegas Wash, Henderson, Clark County, Nevada. July 25, 2008.

_____, 2010a. 2009 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities, Henderson, Nevada. February 12, 2010.

_____, 2010b. Quarterly Data Submittal, Third Quarter 2010, Groundwater Treatment System, Henderson, Nevada. November 11, 2010.

_____, 2011a. Quarterly Data Submittal, Third Quarter 2010, Groundwater Treatment System, Henderson, Nevada. February 14, 2011.

_____, 2011b. 2011 Joint Site-Wide Groundwater Monitoring Program Revision 1.0; NDEP Facility ID #s H-000536 and H-000540, Henderson, Nevada. February 18, 2011.

_____, 2011c. 2010 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities, Henderson, Nevada. September 21, 2011.

Nevada Division of Environmental Protection (NDEP), 2011. Nevada Division of Environmental Protection Response to: 2011 Joint Site-Wide Groundwater Monitoring Program Revision 1.0, Henderson, Nevada. Dated February 18, 2011 (Received February 18, 2011), NDEP Facilities ID# H-00536 and H-000540, March 8, 2011.

TABLES

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2011

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
AA-BW-01A	Shallow	4/7/2011	1754.56	39.14	1715.42	NE	NE
AA-BW-02A	Shallow	4/12/2011	1748.80	41.13	1707.67	NE	NE
AA-BW-03A	Shallow	4/12/2011	1741.63	39.38	1702.25	NE	NE
AA-BW-04A	Shallow	4/7/2011	1731.49	38.46	1693.03	NE	NE
AA-BW-05A	Shallow	4/7/2011	1731.40	33.21	1698.19	NE	NE
AA-BW-06A	Shallow	4/7/2011	1731.40	31.87	1699.53	NE	NE
AA-BW-08A	Shallow	4/7/2011	1763.18	50.82	1712.36	NE	NE
AA-BW-09A	Shallow	3/28/2011	1763.12	48.23	1714.89		
AA-BW-12A	Shallow	4/7/2011	1778.54	50.06	1728.48	NE	NE
AA-MW-05	Shallow	4/11/2011	1843.06	48.57	1794.49	NE	NE
AA-MW-07	Shallow	4/11/2011	1764.22	38.38	1725.84	NE	NE
AA-MW-13	Shallow	4/11/2011	1809.64	33.51	1776.13	NE	NE
AA-MW-14	Shallow	4/11/2011	1811.31	35.81	1775.50	NE	NE
AA-MW-20	Shallow	4/7/2011	1816.23	37.41	1778.82	NE	NE
AA-MW-24	Shallow	4/12/2011	1853.58	61.57	1792.01	NE	NE
AA-MW-25	Shallow	4/11/2011	1803.87	56.33	1747.54	NE	NE
AGX-90	Middle	4/11/2011	1750.01	27.65	1722.36	NE	NE
B-01	Shallow	4/11/2011	1807.14	38.69	1768.45	NE	NE
B-16	Shallow	4/11/2011	1787.20	44.66	1742.54		
CP-01	Middle	4/11/2011	1827.62	33.91	1793.71	NE	NE
DMC-MW-26	Deep	4/11/2011	1807.96	-6.92	1814.88		
DMC-MW-28	Deep	4/12/2011	1763.03	-48.45	1811.48		
DPT-01	Middle	4/11/2011	1807.57	34.60	1772.97	NE	NE
EC-02	Shallow	4/11/2011	1771.43	55.77	1715.66	NE	NE
EC-03	Shallow	4/7/2011	1804.04	41.19	1762.85	NE	NE
EC-04	Shallow	4/7/2011	1811.48	46.34	1765.14		
EC-07	Shallow	4/12/2011	1797.97	52.47	1745.50	NE	NE
EC-10	Shallow	4/12/2011	1792.08	42.81	1749.27	NE	NE
EC-12	Middle	4/7/2011	1804.87	37.74	1767.13	NE	NE
EC-13	Middle	4/12/2011	1805.79	43.26	1762.53	NE	NE
EC-14	Middle	4/7/2011	1791.92	38.43	1753.49	NE	NE
H-11	Shallow	4/11/2011	1868.47	68.97	1799.50	NE	NE
H-18A	Shallow	4/5/2011	1726.36	27.66	1698.70		
H-21R	Shallow	4/5/2011	1730.35	31.43	1698.92		
H-28	Shallow	4/5/2011	1732.90	39.36	1693.54	NE	NE
H-43	Shallow	4/7/2011	1731.22	31.78	1699.44	NE	NE
H-49A	Shallow	4/5/2011	1687.96	25.56	1662.40		
H-55	Shallow	4/5/2011	1752.15	41.16	1710.99		
H-56A	Shallow	4/5/2011	1684.13	22.80	1661.33		
H-58A	Shallow	4/5/2011	1693.43	28.61	1664.82		

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2011

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
M-007B	Shallow	4/12/2011	1732.83	36.54	1696.29	NE	NE
M-057A	Shallow	4/6/2011	1753.44	29.85	1723.59		
M-092	Shallow	4/7/2011	1800.76	36.57	1764.19		
M-125	Shallow	4/12/2011	1771.33	38.46	1732.87		
M-136	Middle	4/12/2011	1751.87	29.30	1722.57	NE	NE
M-142	Shallow	4/12/2011	1773.55	31.13	1742.42		
M-149	Middle	4/12/2011	1796.82	45.06	1751.76	NE	NE
M-150	Middle	4/12/2011	1759.11	24.17	1734.94	NE	NE
MC-09R	Shallow	4/5/2011	1717.88	31.92	1685.96		
MC-113	Shallow	4/5/2011	1705.34	24.80	1680.54		
MC-114	Shallow	4/5/2011	1706.92	27.48	1679.44		
MC-47	Shallow	4/5/2011	1710.42	33.11	1677.31		
MC-48	Shallow	4/5/2011	1709.90	30.37	1679.53		
MC-49	Shallow	4/5/2011	1710.08	29.05	1681.03		
MC-50	Shallow	4/5/2011	1713.32	29.69	1683.63		
MC-53	Shallow	4/5/2011	1715.27	31.68	1683.59		
MCF-BW-08	Middle	4/7/2011	1763.39	49.44	1713.95	NE	NE
MCF-BW-10A	Middle	4/7/2011	1779.36	43.66	1735.70	NE	NE
MCF-BW-11A	Middle	4/7/2011	1778.38	47.72	1730.66	NE	NE
MC-MW-09	Middle	4/11/2011	1814.98	37.31	1777.67	NE	NE
MC-MW-10	Middle	4/11/2011	1803.91	56.58	1747.33	NE	NE
MC-MW-11	Middle	4/11/2011	1804.50	57.97	1746.53	125.62	1.05
MC-MW-12	Middle	3/28/2011	1800.04	41.58	1758.46	111.83	13.03
MC-MW-15	Middle	4/11/2011	1789.55	52.61	1736.94	NE	NE
MC-MW-17	Middle	4/11/2011	1800.42	38.62	1761.80	NE	NE
MC-MW-18	Middle	4/7/2011	1787.10	44.49	1742.61	115.91	5.14
MC-MW-29	Middle	4/7/2011	1717.55	31.42	1686.13	NE	NE
MC-MW-30	Middle	4/7/2011	1718.23	27.48	1690.75	NE	NE
MC-MW-31	Middle	4/7/2011	1716.85	29.78	1687.07	NE	NE
MC-MW-32	Middle	4/7/2011	1723.25	30.61	1692.64	NE	NE
MC-MW-33	Middle	4/7/2011	1721.20	33.02	1688.18	NE	NE
MC-MW-36	Middle	4/5/2011	1702.38	27.97	1674.41	NE	NE
MC-MW-37	Middle	4/7/2011	1703.91	30.18	1673.73	NE	NE
MC-MW-38	Middle	4/7/2011	1709.41	26.65	1682.76	NE	NE
MC-MW-39	Middle	4/11/2011	1784.86	39.61	1745.25	NE	NE
MC-MW-41	Middle	4/11/2011	1771.23	42.90	1728.33	NE	NE
MC-MW-42	Middle	4/12/2011	1764.50	36.98	1727.52	NE	NE
MW-08	Deep	4/11/2011	1803.63	-3.46	1807.09		
MW-AHX	Shallow	4/7/2011	1735.60	32.67	1702.93		
MW-A-J	Shallow	4/7/2011	1649.64	7.54	1642.10		

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2011

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
MW-R	Shallow	4/7/2011	1667.90	11.22	1656.68		
PC-028	Shallow	4/7/2011	1650.80	11.76	1639.04		
PC-031	Shallow	4/7/2011	1657.91	10.21	1647.70		
PC-064	Shallow	4/7/2011	1675.25	8.11	1667.14		
PC-067	Shallow	4/7/2011	1673.91	12.39	1661.52		
PW-01	Shallow	4/11/2011	1827.38	46.89	1780.49		
TR-01	Deep	4/12/2011	1752.18	-39.22	1791.40		
TR-03	Deep	4/12/2011	1772.84	0.00	1772.84		
TR-05	Deep	4/7/2011	1800.27	0.00	1800.27		
TR-06	Middle	4/7/2011	1800.36	37.02	1763.34	NE	NE
TR-07	Deep	4/11/2011	1829.03	13.26	1815.77		
TR-09	Deep	4/11/2011	1854.29	39.03	1815.26		
TR-11	Deep	4/11/2011	1717.12	-9.23	1726.35		
TR-12	Deep	4/11/2011	1695.84	-69.21	1765.05		
WELL-A	Shallow	4/5/2011	1714.70	21.52	1693.18		
WELL-B	Shallow	4/5/2011	1717.46	25.06	1692.40		
MCF-BW-08	Middle	4/7/2011	1763.39	49.44	1713.95		
MCF-BW-10A	Middle	4/7/2011	1779.36	43.66	1735.70		

Footnotes:

NE = Not encountered

AMSL = above mean sea level

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-01A	AA-BW-02A	AA-BW-03A	AA-BW-04A	AA-BW-05A	AA-BW-06A	AA-BW-08A	AA-BW-09A	AA-BW-12A	AA-MW-05
	Detections **BOLDED**	Date			03/25/11	03/29/11	03/29/11	03/24/11	03/24/11	03/30/11	03/25/11	03/28/11	03/30/11	04/12/11
		Sample Purpose			REG	REG	REG	FD	REG	REG	REG	REG	FD	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	CONVERSE
Parameter Group	Parameter	Units												
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			**240J-TDS**	**160J-TDS**	**97J-TDS**	**490J-TDS**	**750J-TDS**	**240J-TDS**	**350R-CAB&TDS**	**610J-TDS**	**200J-TDS**	**150**
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			**240J-TDS**	**160J-TDS**	**97J-TDS**	**490J-TDS**	**750J-TDS**	**240J-TDS**	**350R-CAB&TDS**	**610J-TDS**	**200J-TDS**	**150**
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			<1.1U,J-TDS	<1.1U,J-TDS	<1.1U,J-TDS	<1.1U,J-TDS	<1.1U,J-TDS	<1.1U,J-TDS	<1.1R-CAB&TDS	<1.1U,J-TDS	<1.1U,J-TDS	<2.0
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<2.0
	CALCIUM	mg/l			**910J-TDS**	**670J-TDS**	**430J-TDS**	**440J-TDS**	**260J-TDS**	**250J-TDS**	**430R-CAB&TDS**	**1000J-TDS**	**300J-TDS**	**170**
	CHLORIDE	mg/l			**7500J-TDS**	**5440J-TDS**	**2940J-TDS**	**9770J-TDS**	**8320J-TDS**	**1600J-TDS**	**11100R-CAB&TDS**	**30700J-TDS**	**1900J-TDS**	**390**
	FLUORIDE	mg/l	4	4	<0.05U,J-TDS	**0.7J-TDS**	**0.49J-TDS**	**0.52J,J-TDS**	**0.59J,J-TDS**	**2.7J-TDS**	<0.05R-CAB&TDS	<0.1U,J-TDS	**0.57J-TDS**	**0.82**
	MAGNESIUM	mg/l		207	**1000J-TDS**	**730J-TDS**	**410J-TDS**	**450J-TDS**	**320J-TDS**	**150J-TDS**	**470R-CAB&TDS**	**1800J-TDS**	**230J-TDS**	**110**
	NITRATE (AS N)	mg/l	10	10	<0.42U,J-TDS	<0.42U,J-TDS	<0.21U,J-TDS	<0.84U,J-TDS	<0.42U,J-TDS	<0.21U,J-TDS	<0.84R-CAB&TDS	<2.1U,J-TDS	**0.3J,J-TDS**	**1.3**
	ORTHOPHOSPHATE AS PO4	mg/l			<1.9U	<1.9U	<0.94U	<3.7U	<1.9U	<0.94U	<3.7U	<9.4U	<0.94U	--
	PERCHLORATE	µg/L		18	<50U,J-TDS	<13U,J-TDS	<13U,J-TDS	<50U,J-TDS	**230J-TDS**	**70.7J-TDS**	<6.5R-CAB&TDS	**3.54J, J-TDS**	**295J-TDS**	**140**
	PH	pH Units			--	--	--	--	--	--	--	--	--	**6.7J**
	POTASSIUM	mg/l			**38J-TDS**	**23J-TDS**	**17J-TDS**	**54J-TDS**	**69J-TDS**	**28J-TDS**	**60R-CAB&TDS**	**130J-TDS**	**20J-TDS**	**19**
	SODIUM	mg/l			**3200J-TDS**	**1900J-TDS**	**1200J-TDS**	**6700J-TDS**	**6800J-TDS**	**1000J-TDS**	**8500R-CAB&TDS**	**17000J-TDS**	**730J-TDS**	**510**
	SULFATE	mg/l			**1850J-TDS**	**1480J-TDS**	**1100J-TDS**	**2150J-TDS**	**2970J-TDS**	**1200J-TDS**	**2050R-CAB&TDS**	**5170J-TDS**	**445J, J-TDS**	**1100**
	TOTAL DISSOLVED SOLIDS	mg/l			**14000J-TDS**	**9700J-TDS**	**5700J-TDS**	**17000J-TDS**	**15000J-TDS**	**4400J-TDS**	**18000R-CAB&TDS**	**61000J-TDS**	**4100J-TDS**	**2400**
TRACE METALS	ARSENIC	µg/l	10	10	**300**	**190**	**120**	**79**	**95**	**140**	**160**	**610**	**280**	**56**
	BARIUM	mg/l	2	2	**0.055**	**0.059**	**0.04**	**0.052**	**0.037**	**0.034**	**0.045**	**0.035J**	**0.048**	**0.016**
	CADMIUM	mg/L	0.005	0.005	**0.00036J**	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.00008U	**0.00028J**	<0.001U	<0.00008U	**0.000065**
	CHROMIUM	mg/l	0.1	0.1	<0.0025U	<0.0025U	<0.0025U	<0.0025U	<0.0025U	<0.001U	<0.0025U	<0.012U	<0.001U	**0.0087**
	LEAD	mg/L	0.015	0.015	<0.0009U	<0.0009U	<0.0009U	<0.0009U	<0.0009U	<0.00036U	<0.0009U	<0.0045U	<0.00036U	<0.001
	MERCURY	mg/l	0.002	0.002	<0.000027U	<0.000027R	<0.000027R	<0.000027R	<0.000027R	<0.000027U	<0.000027U	<0.000027R	<0.000027U	<0.00020
	SELENIUM	mg/L	0.05	0.05	<0.0035U	<0.0035U	<0.0035U	<0.0035U	<0.0035U	**0.0018J**	<0.0035U	<0.018U	<0.0014U	**0.0055**
	SILVER	mg/L		183	<0.000075U	<0.000075U	<0.000075U	<0.01U	<0.000075U	<0.00003U	<0.000075U	<0.05U	**0.000054J**	<0.005
	URANIUM	mg/l	0.03	0.03	**0.022**	**0.049**	**0.056**	**0.016**	**0.016**	<0.002U	<0.005U	**0.43**	<0.002U	**0.0082**
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	--	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			<0.71U	<0.014U	<0.0072U	<0.72U	<0.36U	<0.29U	<14U	<0.14U	<1.5U	<0.094
	2,4'-DDE	µg/l			<0.48U	<0.0097U	<0.0049U	<0.48U	<0.24U	<0.19U	<9.5U	<0.094U	<0.98U	<0.094
	2,4'-DDT	µg/l				--	--	--	--	--	--	--	--	<0.094
	4,4'-DDD	µg/l		0.28	<0.72U	<0.015U	<0.0073U	<0.73U	<0.36U	<0.29U	<14U	<0.14U	<1.5U	<0.094
	4,4'-DDE	µg/l		0.198	<0.71U	<0.014U	<0.0071U	<0.71U	**0.41J**	<0.29U	<14UJ	<0.14U	<1.4U	<0.094
	4,4'-DDT	µg/l		0.198	<1.4U	<0.028U	<0.014U	<1.4U	<0.7U	<0.56U	<28U	<0.27U	<2.9U	<0.094
	ALDRIN	µg/l		0.00395	<0.55UJ	<0.011U	<0.0056U	<0.56U	<0.28U	<0.22U	<11UJ	<0.11U	<1.1U	<0.0047
	ALPHA-BHC	µg/l		0.0107	**58**	**1.2**	**0.38**	**50**	**6.5**	**3.3**	**930**	**7.6**	<1U	<0.0047
	BETA-BHC	µg/l		0.0374	<0.82U	<0.016U	<0.0083U	**56**	**26**	**10**	**140**	<0.16U	<1.7U	<0.0094
	CHLORDANE	µg/l	2	2	<0.5U	<0.01U	<0.005U	<0.5U	<0.25U	<0.2U	<9.9U	<0.098U	<1U	<0.094
	DELTA-BHC	µg/l			**5.2**	**1**	**0.0076J**	**4J**	**1.2J**	**1.1J**	**29J**	**1.4**	<1.1U	<0.19
	DIELDRIN	µg/l		0.00420	<0.59U	<0.012U	<0.006U	<0.6U	<0.3U	<0.24U	<12U	<0.12U	<1.2U	<0.0047
	ENDOSULFAN I	µg/l		219	<0.55U	<0.011U	<0.0055U	<0.55U	<0.27U	<0.22U	<11U	<0.11U	<1.1U	<0.094
	ENDOSULFAN II	µg/l		219	<0.66U	<0.013U	<0.0067U	<0.67U	<0.33U	<0.27U	<13U	<0.13U	<1.3U	<0.094
	ENDOSULFAN SULFATE	µg/l			<0.54U	<0.011U	<0.0054U	<0.54U	<0.27U	<0.22U	<11U	<0.11U	<1.1U	<0.19
	ENDRIN	µg/l	2	2	<0.74U	<0.015U	<0.0075U	<0.75U	<0.37U	<0.3U	<15U	<0.15U	<1.5U	<0.094
	ENDRIN ALDEHYDE	µg/l			<0.83U	<0.017U	<0.0084U	<0.84U	<0.41U	<0.33U	<16U	<0.16U	<1.7U	<0.094
	ENDRIN KETONE	µg/l			<0.66U	<0.013U	<0.0067U	<0.67U	<0.33U	<0.27U	<13U	<0.13U	<1.3U	<0.094
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	<0.65U	**0.076J**	**0.04J**	<0.66U	<0.32U	<0.26U	**86J**	**8.1**	<1.3U	<0.094

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-01A	AA-BW-02A	AA-BW-03A	AA-BW-04A	AA-BW-05A	AA-BW-06A	AA-BW-08A	AA-BW-09A	AA-BW-12A	AA-MW-05
	Detections **BOLDED**	Date			03/25/11	03/29/11	03/29/11	03/24/11	03/24/11	03/30/11	03/25/11	03/28/11	03/30/11	04/12/11
		Sample Purpose			REG	REG	REG	FD	REG	REG	REG	REG	FD	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.72UJ	<0.015U	<0.0073U	<0.73U	<0.36U	<0.29U	<14UJ	<0.14U	<1.5U	<0.0094
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.71U	<0.014U	<0.0071U	<0.71U	<0.35U	<0.29U	<14U	<0.14U	<1.4U	<0.0047
	METHOXYCHLOR	µg/l	40	40	<1.2U	<0.025U	<0.012U	<1.2U	<0.61U	<0.49U	<24U	<0.24U	<2.5U	<0.094
	TOXAPHENE	µg/l	3	3	<35U	<0.69U	<0.35U	<35U	<17U	<14U	<690U	<6.8U	<71U	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<0.84U	<1U	<0.21U	<42U	<1U	<0.21U	<42U	<8.4U	<4.2U	<5.0
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<2.0
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<0.84U	<1U	<0.21U	<42U	<1U	<0.21U	<42U	<8.4U	<4.2U	<2.0
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<1.1U	<1.4U	<0.27U	<54U	<1.4U	<0.27U	<54U	<11U	<5.4U	<2.0
	1,1-DICHLOROETHANE	µg/l		11.8	**69**	**20**	**7.2**	<44U	**12**	**8.9**	**61J**	**60**	**7.2J**	<2.0
	1,1-DICHLOROETHENE	µg/l	7	7	<0.92U	<1.2U	<0.23U	<46U	**1.6J**	**0.53J**	<46U	<9.2U	<4.6U	<5.0
	1,1-DICHLOROPROPENE	µg/l			<0.76U	<0.95U	<0.19U	<38U	<0.95U	<0.19U	<38U	<7.6U	<3.8U	<2.0
	1,2,3-TRICHLOROBENZENE	µg/l			<0.84U	<1U	<0.21U	**160J**	**32**	**5**	**210**	<8.4U	<4.2U	<5.0
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<1.3U	<1.6U	<0.33U	<66U	<1.6U	<0.33U	<66U	<13U	<6.6U	<10
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	<0.84U	<1U	<0.21U	**160J**	**170**	**33**	**990**	<8.4U	<4.2U	<5.0
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<0.6U	<0.75U	<0.15U	<30U	**1J**	**0.21J**	<30U	<6U	<3U	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<1.9U	<2.4U	<0.47U	<94U	<2.4U	<0.47U	<94U	<19U	<9.4U	<5.0
	1,2-DIBROMOETHANE	µg/l		0.05	--	--	--	--	--	--	--	--	--	<2.0
	1,2-DICHLOROBENZENE	µg/l	600	600	**220**	**18**	**3.8**	**1900**	**140**	**50**	**2100**	**92**	**17J**	<2.0
	1,2-DICHLOROETHANE	µg/l	5	5	<0.52U	**11**	**4.4**	<26U	<0.65U	**2.6**	<26U	<5.2U	<2.6U	<2.0
	1,2-DICHLOROPROPANE	µg/l	5	5	<0.72U	<0.9U	<0.18U	<36U	<0.9U	<0.18U	<36U	<7.2U	<3.6U	<2.0
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<2.0
	1,3-DICHLOROBENZENE	µg/l		109	**7.6**	<0.65U	<0.13U	**93J**	**11**	**5.6**	**91J**	<5.2U	<2.6U	<2.0
	1,3-DICHLOROPROPANE	µg/l		324	<0.88U	<1.1U	<0.22U	<44U	<1.1U	<0.22U	<44U	<8.8U	<4.4U	<2.0
	1,4-DICHLOROBENZENE	µg/l	75	75	**390**	**18**	**5.1**	**3600**	**220**	**68**	**3500**	**110**	**43**	<2.0
	2,2-DICHLOROPROPANE	µg/l			<0.72U	<0.9U	<0.18U	<36U	<0.9U	<0.18U	<36U	<7.2U	<3.6U	<2.0
	2-CHLOROTOLUENE	µg/l		664	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<5.0
	4-CHLOROTOLUENE	µg/l			<0.84U	<1U	<0.21U	<42U	<1U	<0.21U	<42U	<8.4U	<4.2U	<5.0
	BENZENE	µg/l	5	5	**3700**	**4.6J**	**0.9J**	**76000**	**27000**	**8.9**	**47000**	**2200**	**8600**	<2.0
	BROMOBENZENE	µg/l		487	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<5.0
	BROMOCHLOROMETHANE	µg/l			<0.4U	<0.5U	<0.1U	<20U	<0.5U	<0.1U	<20U	<4U	<2U	<5.0
	BROMODICHLOROMETHANE	µg/l	80	1.08	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<2.0
	BROMOFORM	µg/l	80	8.51	<0.76U	<0.95U	<0.19U	<38U	<0.95U	<0.19U	<38U	<7.6U	<3.8U	<5.0
	BROMOMETHANE	µg/l		47.8	<0.84U	<1U	<0.21U	<42U	<1U	<0.21U	<42U	<8.4U	<4.2U	<5.0
	CARBON TETRACHLORIDE	µg/l	5	5	<0.76U	<0.95U	<0.19U	<38U	<0.95U	<0.19U	<38U	<7.6U	<3.8U	<1.0
	CHLOROBENZENE	µg/l	100	100	**9100**	**1400**	**350**	**62000**	<0.85U	**490**	**48000**	**8800**	**2500**	<2.0
	CHLOROETHANE	µg/l		23.2	<1.6U	<2U	<0.41U	<82U	<2U	**0.64J**	<82U	<16U	<8.2U	<5.0
	CHLOROFORM	µg/l	80	1.62	<0.64U	<0.8U	**4.9**	**380**	**28**	**0.31J**	**39J**	**4600**	**110**	<2.0
	CHLOROMETHANE	µg/l		81.1	<1.2U	<1.5U	<0.3U	<60U	<1.5U	<0.3U	<60U	<12U	<6U	<5.0
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<0.6U	<0.75U	<0.15U	<30U	<0.75U	**0.17J**	<30U	<6U	<3U	<2.0
	CIS-1,3-DICHLOROPROPENE	µg/l			<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<2.0
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<2.0
	DIBROMOMETHANE	µg/l		225	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<2.0
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<1.2U	<1.6U	<0.31U	<62U	<1.6U	<0.31U	<62U	<12U	<6.2U	<5.0
	DIMETHYL DISULFIDE	µg/l			<1UJ	<1.2UJ	<0.25UJ	<50UJ	<1.2UJ	<0.25UJ	<50UJ	<10UJ	<5UJ	<2.0
	ETHYLBENZENE	µg/l	700	700	<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<2.0
	HEXACHLOROBUTADIENE	µg/l		0.862	<2U	<1.96U	<1.9U	<200U	<47.2U	<1.89U	<18.9U	<2U	<2U	<5.0
	ISOPROPYLBENZENE	µg/l		3,440	<0.76U	<0.95U	<0.19U	<38U	<0.95U	<0.19U	<38U	<7.6U	<3.8U	<2.0
	M,P-XYLENE	µg/l		42,600	<1.4U	<1.7U	<0.34U	<68U	<1.7U	<0.34U	<68U	<14U	<6.8U	<2.0
	METHYLENE CHLORIDE	µg/l	5	5	<1.3U	<1.6U	<0.32U	<64U	<1.6U	<0.32U	<64U	**1200**	<6.4U	<2.0
	NAPHTHALENE	µg/l		4.29	<0.3U	<0.294U	<0.286U	<30U	<7.08U	<0.283U	<2.83U	<0.3U	<0.3U	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-01A	AA-BW-02A	AA-BW-03A	AA-BW-04A	AA-BW-05A	AA-BW-06A	AA-BW-08A	AA-BW-09A	AA-BW-12A	AA-MW-05
	Detections **BOLDED**	Date			03/25/11	03/29/11	03/29/11	03/24/11	03/24/11	03/30/11	03/25/11	03/28/11	03/30/11	04/12/11
		Sample Purpose			REG	REG	REG	FD	REG	REG	REG	REG	FD	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	BRC	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<0.56U	<0.7U	<0.14U	<28U	<0.7U	<0.14U	<28U	<5.6U	<2.8U	<5.0
	N-PROPYLBENZENE	µg/l		363	<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<2.0
	O-XYLENE	µg/l		42,600	<0.76U	<0.95U	<0.19U	<38U	<0.95U	**0.34J**	<38U	<7.6U	<3.8U	<2.0
	P-ISOPROPYL TOLUENE	µg/l			<0.8U	<1U	<0.2U	<40U	<1U	<0.2U	<40U	<8U	<4U	<2.0
	SEC-BUTYLBENZENE	µg/l		363	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<5.0
	STYRENE	µg/l	100	100	<0.68U	<0.85U	<0.17U	<34U	<0.85U	<0.17U	<34U	<6.8U	<3.4U	<2.0
	TERT- BUTYLBENZENE	µg/l		363	<0.64U	<0.8U	<0.16U	<32U	<0.8U	<0.16U	<32U	<6.4U	<3.2U	<5.0
	TETRACHLOROETHENE	µg/l	5	5	**9.5**	<1U	**0.69J**	**83J**	<1U	<0.2U	<40U	**12J**	<4U	<2.0
	TOLUENE	µg/l	1,000	1,000	**0.68J**	<0.85U	<0.17U	<34U	**4.1J**	**0.18J**	<34U	<6.8U	**4.7J**	<2.0
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<0.6U	<0.75U	<0.15U	<30U	<0.75U	<0.15U	<30U	<6U	<3U	<2.0
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<0.76U	<0.95U	<0.19U	<38U	<0.95U	<0.19U	<38U	<7.6U	<3.8U	<2.0
	TRICHLOROETHENE	µg/l	5	5	**2.2J**	<0.8U	**0.37J**	<32U	**34**	**3.6**	<32U	<6.4U	<3.2U	<2.0
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<1.2UJ	<1.4U	<0.29U	<58UJ	<1.4UJ	<0.29U	<58UJ	<12U	<5.8U	<5.0
	VINYL CHLORIDE	µg/l	2	2	<0.4U	<0.5U	<0.1U	<20U	<0.5U	<0.1U	<20U	<4U	<2U	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			AA-MW-07	AA-MW-13	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01	B-16	EC-02	EC-03
		Date			03/31/11	04/21/11	04/13/11	04/20/11	04/26/11	04/26/11	04/20/11	04/13/11	04/15/11	03/31/11	04/21/11
		Sample Purpose			REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			**180J-TDS**	**12000**	**640**	**250**	**140**	**170**	**400**	**420**	**230**	**820J-TDS**	**210**
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			**180J-TDS**	<40	**640**	**250**	**140**	**170**	**400**	**420**	**230**	**820J-TDS**	**210**
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			<1.1U,J-TDS	**7700**	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.1U,J-TDS	<2.0
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			<1.1U	**4100**	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.1U	<2.0
	CALCIUM	mg/l			**700J-TDS**	**2.4**	**2200**	**340**	**160**	**170**	**540**	**2200**	**140**	**750J-TDS**	**690**
	CHLORIDE	mg/l			**9000J-TDS**	**4800**	**8800**	**1500**	**430**	**420**	**6400**	**12000**	**630**	**33100J-TDS**	**4400**
	FLUORIDE	mg/l	4	4	<0.2U,J-TDS	**11**	<10	**1.2**	**1.1**	**1.1**	**3.4**	**2.8**	**0.97**	<1U,J-TDS	**5.2**
	MAGNESIUM	mg/l		207	**780J-TDS**	**0.21**	**710**	**320**	**86**	**84**	**430**	**1000**	**80**	**1600J-TDS**	**560**
	NITRATE (AS N)	mg/l	10	10	<0.84U,J-TDS	<2.2	**1.4**	<0.22	**0.92**	**0.7**	**0.35**	**0.96**	<0.11	<2.1U,J-TDS	<2.2
	ORTHOPHOSPHATE AS PO4	mg/l			<3.7U	**16**	--	--	--	--	--	--	--	<9.4U	<10
	PERCHLORATE	µg/L		18	<65U,J-TDS	**300**	**61**	<0.5	**16**	**13**	**4.8**	**120**	<0.5	<130U,J-TDS	**3.2**
	PH	pH Units			--	**11J**	**6.5**	**7.6**	**6.5**	**7.0J**	**7.2J**	**6.7J**	**7.5J**	--	**7.4**
	POTASSIUM	mg/l			**38J-TDS**	**77**	**120**	**29**	**16**	**16**	**46**	**84**	**12**	**150J-TDS**	**40**
	SODIUM	mg/l			**4600J-TDS**	**8600**	**1400**	**720**	**500**	**440**	**3700**	**4200**	**630**	**21000J-TDS**	**1700**
	SULFATE	mg/l			**2340J-TDS**	**2700**	**1700**	**1400**	**810**	**780**	**1500**	**1300**	**940**	**5810J-TDS**	**1400**
	TOTAL DISSOLVED SOLIDS	mg/l			**17000J-TDS**	**31000**	**16000**	**4400**	**2200**	**2100**	**14000**	**25000**	**2700**	**65000J-TDS**	**11000**
TRACE METALS	ARSENIC	µg/l	10	10	**380**	**1700**	**2.0J**	**60**	**8.9**	**8.8**	**410**	**150**	**140**	**530**	**41**
	BARIUM	mg/l	2	2	**0.045**	**0.022**	**0.078**	**0.034**	**0.036**	**0.034**	**0.076**	**0.11**	**0.038**	**0.048J**	**0.058**
	CADMIUM	mg/L	0.005	0.005	<0.0004U	**0.000077**	**0.0012**	<0.001	<0.001	**0.000079**	**0.0005**	**0.000061**	<0.001	<0.001U	<0.001
	CHROMIUM	mg/l	0.1	0.1	<0.005U	**0.011**	**0.0029**	<0.002	**0.004**	**0.0038**	**0.0039**	**0.001**	**0.00097**	<0.012U	**0.00066**
	LEAD	mg/L	0.015	0.015	<0.0018U	**0.00066**	**0.0018**	**0.000068**	**0.00013**	**0.000099**	**0.0014**	**0.00072**	**0.00025**	<0.0045U	**0.00013**
	MERCURY	mg/l	0.002	0.002	<0.0002U	<0.00020	**0.0022**	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.000027U	<0.00020
	SELENIUM	mg/L	0.05	0.05	<0.05U	**0.014**	**0.0031**	**0.0025**	**0.002**	**0.002J-**	**0.0019**	**0.0027**	<0.005	<0.12U	**0.0015**
	SILVER	mg/L		183	<0.00015U	<0.005	**0.00075**	<0.005	**0.000088**	**0.00012**	<0.005	**0.0022**	<0.005	<0.00038U	**0.00045**
	URANIUM	mg/l	0.03	0.03	**0.012**	**0.0065**	**0.025**	**0.049**	**0.0071**	**0.0074**	**0.086**	**0.11**	**0.0013**	**0.59**	**0.066**
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	--	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	--	--	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			<0.72U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.15U	<0.094
	2,4'-DDE	µg/l			<0.48U	<0.094	**0.77J+**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1U	<0.094
	2,4'-DDT	µg/l			--	<0.094	**0.13J+**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--	<0.094
	4,4'-DDD	µg/l		0.28	<0.73U	<0.094	**0.067J+**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.15U	<0.094
	4,4'-DDE	µg/l		0.198	<0.71U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.15U	<0.094
	4,4'-DDT	µg/l		0.198	<1.4U	<0.094	**0.77J+**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.3U	<0.094
	ALDRIN	µg/l		0.00395	<0.56U	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.12U	<0.0047
	ALPHA-BHC	µg/l		0.0107	**88**	**0.0035J**	**0.18J+**	**0.11**	**0.004**	<0.0047	**1.8**	**35**	<0.0047	**10**	**360**
	BETA-BHC	µg/l		0.0374	<0.82U	**0.012J**	**0.18J+**	**0.028**	**0.0049**	<0.0094	**0.26**	**4.3**	<0.0094	**0.96J**	**99**
	CHLORDANE	µg/l	2	2	<0.5U	<0.094	<0.094UJ	<0.094UJ	<0.094	<0.094	<0.094UJ	<0.094	<0.094	<0.11U	<0.094
	DELTA-BHC	µg/l			**30**	<0.19	<0.19	<0.19	<0.19	<0.19	**0.58**	**5.5**	<0.19	**3**	**11**
	DIELDRIN	µg/l		0.00420	<0.59U	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.13U	<0.0047
	ENDOSULFAN I	µg/l		219	<0.55U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.12U	<0.094
	ENDOSULFAN II	µg/l		219	<0.66U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.14U	<0.094
	ENDOSULFAN SULFATE	µg/l			<0.54U	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.11U	<0.19
	ENDRIN	µg/l	2	2	<0.75U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.16U	<0.094
	ENDRIN ALDEHYDE	µg/l			<0.83U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.18U	<0.094
	ENDRIN KETONE	µg/l			<0.66U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.14U	<0.094
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	**0.85J**	<0.094	<0.094	<0.094	<0.094	<0.094	**1.3**	**18**	<0.094	**8.8**	**180**

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-MW-07	AA-MW-13	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01	B-16	EC-02	EC-03
	Detections **BOLDED**	Date			03/31/11	04/21/11	04/13/11	04/20/11	04/26/11	04/26/11	04/20/11	04/13/11	04/15/11	03/31/11	04/21/11
		Sample Purpose			REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	CONVERSE
Parameter Group	Parameter	Units													
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.73U	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.15U	<0.0094
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.71U	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.15U	<0.0047
	METHOXYCHLOR	µg/l	40	40	<1.2U	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.26U	<0.094
	TOXAPHENE	µg/l	3	3	<35U	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<7.4U	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<210U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.1U	<2000
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<160U	<400UJ	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800UJ
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<210U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<2.1U	<800
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<270U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<2.7U	<800
	1,1-DICHLOROETHANE	µg/l		11.8	<220U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	**51**	<800
	1,1-DICHLOROETHENE	µg/l	7	7	<230U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.3U	<2000
	1,1-DICHLOROPROPENE	µg/l			<190U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.9U	<800
	1,2,3-TRICHLOROBENZENE	µg/l			<210U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.1U	<2000
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<330U	<2000	<4000	<1000	<10	<10	<2000	<4000	<40	<3.3U	<4000
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	<210U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.1U	**280**
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<150U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.5U	<800
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<470U	<1000UJ	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<4.7U	<2000UJ
	1,2-DIBROMOETHANE	µg/l		0.05	--	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	--	<800
	1,2-DICHLOROBENZENE	µg/l	600	600	**710**	**2200**	**31000**	**860**	<2.0	<2.0	**2500**	**9400**	**160**	**66**	**200**
	1,2-DICHLOROETHANE	µg/l	5	5	<13U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.3U	<800
	1,2-DICHLOROPROPANE	µg/l	5	5	<18U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.8U	<800
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<16U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800
	1,3-DICHLOROBENZENE	µg/l		109	**30J**	**3200**	**1500**	**41**	<2.0	<2.0	**84**	**440**	**6.9**	**2.6J**	<800
	1,3-DICHLOROPROPANE	µg/l		324	<22U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<2.2U	<800
	1,4-DICHLOROBENZENE	µg/l	75	75	**940**	**3100**	**36000**	**870**	<2.0	<2.0	**3700**	**14000**	**180**	**73**	**200**
	2,2-DICHLOROPROPANE	µg/l			<18U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.8U	<800
	2-CHLOROTOLUENE	µg/l		664	<17U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.7U	<2000
	4-CHLOROTOLUENE	µg/l			<21U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.1U	<2000
	BENZENE	µg/l	5	5	**11000**	**47000**	**17000**	**33000**	<2.0	<2.0	**59000**	**24000**	**1.8**	**700**	**510000**
	BROMOBENZENE	µg/l		487	<17U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.7U	<2000
	BROMOCHLOROMETHANE	µg/l			<10U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1U	<2000
	BROMODICHLOROMETHANE	µg/l	80	1.08	<17U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.7U	<800
	BROMOFORM	µg/l	80	8.51	<19U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.9U	<2000
	BROMOMETHANE	µg/l		47.8	<21U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.1U	<2000
	CARBON TETRACHLORIDE	µg/l	5	5	<19U	<200	**560**	**31**	**1.3**	**1.4**	<200	<400	<4.0	<1.9U	**390**
	CHLOROBENZENE	µg/l	100	100	**6400**	**21000**	**130000**	**25000**	<2.0	<2.0	**87000**	**80000**	**1300**	<1.7U	**17000**
	CHLOROETHANE	µg/l		23.2	<41U	<1000UJ	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<4.1U	<2000UJ
	CHLOROFORM	µg/l	80	1.62	**28000**	**330**	**820**	**13000**	**150**	**160**	**33000**	**18000**	<8.0	**3600**	**5700**
	CHLOROMETHANE	µg/l		81.1	<30U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<3U	<2000
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<15U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.5U	<800
	CIS-1,3-DICHLOROPROPENE	µg/l			<16U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<17U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.7U	<800
	DIBROMOMETHANE	µg/l		225	<17U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.7U	<800
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<31U	<1000	<2000	<500	<5.0UJ	<5.0UJ	<1000	<2000	<20	<3.1U	<2000
	DIMETHYL DISULFIDE	µg/l			<25UJ	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<2.5UJ	<800
	ETHYLBENZENE	µg/l	700	700	<16U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800
	HEXACHLOROBUTADIENE	µg/l		0.862	<2.02U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.89U	<2000
	ISOPROPYLBENZENE	µg/l		3,440	<19U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.9U	<800
	M,P-XYLENE	µg/l		42,600	<34U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<3.4U	<800
	METHYLENE CHLORIDE	µg/l	5	5	**5500**	**190**	<800	**130**	<2.0	<2.0	**920**	**380**	<8.0	**700**	<800
	NAPHTHALENE	µg/l		4.29	<0.303U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<0.283U	<2000

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-MW-07	AA-MW-13	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01	B-16	EC-02	EC-03
	Detections **BOLDED**	Date			03/31/11	04/21/11	04/13/11	04/20/11	04/26/11	04/26/11	04/20/11	04/13/11	04/15/11	03/31/11	04/21/11
		Sample Purpose			REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			BRC	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	CONVERSE
Parameter Group	Parameter	Units													
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<14U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.4U	<2000
	N-PROPYLBENZENE	µg/l		363	<16U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800
	O-XYLENE	µg/l		42,600	<19U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.9U	<800
	P-ISOPROPYL TOLUENE	µg/l			<20U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<2U	<800
	SEC-BUTYLBENZENE	µg/l		363	<17U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.7U	<2000
	STYRENE	µg/l	100	100	<17U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.7U	<800
	TERT- BUTYLBENZENE	µg/l		363	<16U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<1.6U	<2000
	TETRACHLOROETHENE	µg/l	5	5	<20U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	**8.3J**	**520**
	TOLUENE	µg/l	1,000	1,000	<17U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.7U	<800
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<15U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.5U	<800
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<19U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.9U	<800
	TRICHLOROETHENE	µg/l	5	5	<16U	<400	<800	<200	<2.0	<2.0	<400	<800	<8.0	<1.6U	<800
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<29U	<1000	<2000	<500	<5.0	<5.0	<1000	<2000	<20	<2.9U	<2000
	VINYL CHLORIDE	µg/l	2	2	<10U	<1000	<2000	<500	<5.0UJ	<5.0UJ	<1000	<2000	<20	<1U	<2000

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			EC-04	EC-07	EC-10	H-11	H-28	H-43	H-55	M-007B	M-057A	M-092	M-125
	Detections **BOLDED**	Date			04/14/11	04/26/11	04/13/11	04/25/11	03/24/11	03/24/11	04/19/11	03/30/11	04/25/11	04/22/11	04/28/11
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	BRC	CONVERSE	BRC	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			**150**	**360**	**140**	**230**	**150J-TDS**	**260J-TDS**	**95**	**96J-TDS**	**90**	**100**	**81**
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			**150**	**360**	**140**	**230**	**150J-TDS**	**260J-TDS**	**95**	**96J-TDS**	**90**	**100**	**81**
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			<2.0	<2.0	<2.0	<2.0	<1.1U,J-TDS	<1.1U,J-TDS	<2.0	<1.1U,J-TDS	<2.0	<2.0	<2.0
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			<2.0	<2.0	<2.0	<2.0	<1.1U	<1.1U	<2.0	<1.1U	<2.0	<2.0	<2.0
	CALCIUM	mg/l			**180**	**550**	**99**	**92**	**640J-TDS**	**290J-TDS**	**86**	**580J-TDS**	**210**	**170**	**1200**
	CHLORIDE	mg/l			**1100**	**3200J-**	**420**	**390**	**4540J-TDS**	**1960J-TDS**	**650**	**3490J-TDS**	**560**	**190**	**5800**
	FLUORIDE	mg/l	4	4	**1**	<2.5	**0.93**	**0.64**	**0.61J-TDS**	**1.2J-TDS**	**1**	**0.39J,J-TDS**	**1.3**	**1.8**	<2.5
	MAGNESIUM	mg/l		207	**110**	**520**	**42**	**17**	**620J-TDS**	**210J-TDS**	**53**	**420J-TDS**	**110**	**80**	**630**
	NITRATE (AS N)	mg/l	10	10	**1.7**	**0.55**	**1.5**	<0.22	<0.21U,J-TDS	<0.21U,J-TDS	<0.11	**1.3J,J-TDS**	**8.8**	**3.8**	**2**
	ORTHOPHOSPHATE AS PO4	mg/l			--	--	--	--	<0.94U	<0.94U	--	<0.94U	--	--	--
	PERCHLORATE	µg/L		18	**130**	**9.1**	**10000**	**0.35**	<20U,J-TDS	**33.8J,J-TDS**	**0.35**	**42300J-TDS**	**19000**	**1200**	**440**
	PH	pH Units			**7.8J**	**7.1J**	**6.6**	**6.2J**	--	--	**7.6**	--	**7.7J**	**5.8J**	**7.4J**
	POTASSIUM	mg/l			**19**	**32**	**13**	**4.2**	**22J-TDS**	**26J-TDS**	**13**	**26J-TDS**	**10**	**14**	**36**
	SODIUM	mg/l			**670**	**1300**	**400**	**110**	**1700J-TDS**	**1100J-TDS**	**450**	**1500J-TDS**	**560**	**370**	**2400**
	SULFATE	mg/l			**660**	**1300**	**530**	**110**	**1220J-TDS**	**1080J-TDS**	**500**	**1480J-TDS**	**1200**	**970**	**1800**
	TOTAL DISSOLVED SOLIDS	mg/l			**3000**	**7700**	**1800**	**1200**	**7500J-TDS**	**4100J-TDS**	**1900**	**7300J-TDS**	**3100**	**1900**	**14000**
TRACE METALS	ARSENIC	µg/l	10	10	**85**	**200**	**74**	**1.0J**	**260**	**100**	**0.26**	**90**	**180**	**98**	**73**
	BARIUM	mg/l	2	2	**0.037**	**0.069**	**0.019**	**0.031**	**0.066**	**0.033**	**0.025**	**0.038**	**0.023**	**0.031**	**0.07**
	CADMIUM	mg/L	0.005	0.005	<0.001	<0.001	<0.001	<0.002	<0.0002U	<0.0002U	<0.001	<0.0002U	<0.001	**0.000056**	<0.001
	CHROMIUM	mg/l	0.1	0.1	**0.0057**	**0.0023**	**0.01**	<0.004	<0.0025U	<0.0025U	<0.002	<0.0025U	**0.055**	**0.018**	**0.0042**
	LEAD	mg/L	0.015	0.015	<0.001	**0.002**	**0.000091**	<0.002	<0.0009U	<0.0009U	**0.0001**	<0.0009U	**0.0004**	**0.0005**	**0.00088**
	MERCURY	mg/l	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.000027R	<0.000027R	<0.00020	**0.000027J**	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/L	0.05	0.05	**0.0072**	**0.0013J-**	**0.0044**	<0.01UJ	<0.0035U	<0.0035U	<0.005	**0.012J**	**0.0042J-**	**0.0034**	**0.0054**
	SILVER	mg/L		183	<0.005	<0.005	<0.005	<0.01	<0.000075U	<0.000075U	<0.005	<0.000075U	<0.005	<0.005	**0.00011**
	URANIUM	mg/l	0.03	0.03	**0.0063**	**0.0035**	**0.0046**	<0.002	**0.063**	<0.005U	<0.00017U	**0.045**	**0.0068**	**0.0052**	**0.019**
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	**46000**	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	--	**27000**	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	**39000**	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	**10000**	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	--	**23000**	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			<0.094	<0.94	<0.094	<0.094	<0.014U	<0.15U	<0.094	<0.0072U	<0.094	<0.094	<0.094
	2,4'-DDE	µg/l			<0.094	<0.94	<0.094	<0.094	<0.0097U	<0.097U	<0.094	<0.0048U	<0.094	<0.094	<0.094
	2,4'-DDT	µg/l			<0.094	<0.94	<0.094	<0.094	--	--	<0.094	--	<0.094	<0.094	<0.094
	4,4'-DDD	µg/l		0.28	<0.094	<0.94	<0.094	<0.094	<0.015U	<0.15U	<0.094	<0.0073U	<0.094	<0.094	<0.094
	4,4'-DDE	µg/l		0.198	<0.094	<0.94	<0.094	<0.094	<0.014U	<0.14U	<0.094	<0.0071U	<0.094	<0.094	<0.094
	4,4'-DDT	µg/l		0.198	<0.094	<0.94	<0.094	<0.094	<0.028U	<0.28U	<0.094	<0.014U	<0.094	<0.094	<0.094
	ALDRIN	µg/l		0.00395	<0.0047	<0.047	<0.0047	<0.0047	<0.011U	<0.11U	<0.0047	<0.0056U	<0.0047	<0.0047	<0.0047
	ALPHA-BHC	µg/l		0.0107	**0.0073**	**15**	**0.054**	**0.0044**	**0.89**	**3.1**	**0.026**	**0.026J**	**0.0072**	<0.0047	**0.11**
	BETA-BHC	µg/l		0.0374	**0.0064**	**9.8**	**0.17**	<0.0094	<0.016U	**13**	**0.18**	**0.013J**	<0.0094	**0.016**	<0.0094
	CHLORDANE	µg/l	2	2	<0.094UJ	<0.94	<0.094	<0.094	<0.01U	<0.1U	<0.094UJ	<0.005U	<0.094	<0.094	<0.094
	DELTA-BHC	µg/l			<0.19	**10**	<0.19	<0.19	**0.32**	**1.2**	**0.18**	<0.0055U	<0.19	<0.19	**0.027**
	DIELDRIN	µg/l		0.00420	<0.0047	<0.047	<0.0047	<0.0047	<0.012U	<0.12U	<0.0047	<0.006U	<0.0047	<0.0047	<0.0047
	ENDOSULFAN I	µg/l		219	<0.094	<0.94	<0.094	<0.094	<0.011U	<0.11U	<0.094	<0.0055U	<0.094	<0.094	<0.094
	ENDOSULFAN II	µg/l		219	<0.094	<0.94	<0.094	<0.094	<0.013U	<0.13U	<0.094	<0.0066U	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	µg/l			<0.19	<1.9	<0.19	<0.19	<0.011U	<0.11U	<0.19	<0.0054U	<0.19	<0.19	<0.19
	ENDRIN	µg/l	2	2	<0.094	<0.94	<0.094	<0.094	<0.015U	<0.15U	<0.094	<0.0075U	<0.094	<0.094	<0.094
	ENDRIN ALDEHYDE	µg/l			<0.094	<0.94	<0.094	<0.094	<0.017U	<0.17U	<0.094	<0.0083U	<0.094	<0.094	<0.094
	ENDRIN KETONE	µg/l			<0.094	<0.94	<0.094	<0.094	<0.013U	<0.13U	<0.094	<0.0066U	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	<0.094	**1.9**	<0.094	<0.094	<0.013U	<0.13U	<0.094	**0.14**	<0.094	<0.094	**0.055**

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			EC-04	EC-07	EC-10	H-11	H-28	H-43	H-55	M-007B	M-057A	M-092	M-125
	Detections **BOLDED**	Date			04/14/11	04/26/11	04/13/11	04/25/11	03/24/11	03/24/11	04/19/11	03/30/11	04/25/11	04/22/11	04/28/11
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	BRC	CONVERSE	BRC	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.0094	<0.094	<0.0094	<0.0094	<0.015U	<0.15U	<0.0094	<0.0073U	<0.0094	<0.0094	<0.0094
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.0047	<0.047	<0.0047	<0.0047	<0.014U	<0.14U	<0.0047	<0.0071U	<0.0047	<0.0047	<0.0047
	METHOXYCHLOR	µg/l	40	40	<0.094	<0.94	<0.094	<0.094	<0.025U	<0.25U	<0.094	<0.012U	<0.094	<0.094	<0.094
	TOXAPHENE	µg/l	3	3	<4.7	<47	<4.7	<4.7	<0.7U	<7U	<4.7	<0.35U	<4.7	<4.7	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<5.0	<5000	<5.0	<5.0	<1U	<1U	<5.0	<0.21U	<10	<5.0	<250
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<2.0	<2000	<2.0	<2.0	<0.8U	<0.8U	<2.0	<0.16U	<4.0	<2.0	<100
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<2.0	<2000	<2.0	<2.0	<1U	<1U	<2.0	<0.21U	<4.0	<2.0	<100
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<2.0	<2000	<2.0	<2.0	<1.4U	<1.4U	<2.0	<0.27U	<4.0	<2.0	<100
	1,1-DICHLOROETHANE	µg/l		11.8	<2.0	<2000	<2.0	<2.0	**15**	**21**	**0.6**	**2.4**	<4.0	<2.0	<100
	1,1-DICHLOROETHENE	µg/l	7	7	<5.0	<5000	<5.0	<5.0	<1.2U	**1.4J**	<5.0	<0.23U	<10	**8.8**	<250
	1,1-DICHLOROPROPENE	µg/l			<2.0	<2000	<2.0	<2.0	<0.95U	<0.95U	<2.0	<0.19U	<4.0	<2.0	<100
	1,2,3-TRICHLOROBENZENE	µg/l			<5.0	<5000	**1.4**	<5.0	<1U	**12**	<5.0	<0.21U	<10	<5.0	<250
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<10	<10000	<10	<10	<1.6U	<1.6U	<10	<0.33U	<20	<10	<500
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	<5.0	<5000	**11**	<5.0	<1U	**39**	<5.0	<0.21U	<10	<5.0	<250
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<2.0	<2000	<2.0	<2.0	<0.75U	<0.75U	<2.0	<0.15U	<4.0	<2.0	<100
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<5.0UJ	<5000	<5.0	<5.0	<2.4U	<2.4U	<5.0	<0.47U	<10	<5.0	<250
	1,2-DIBROMOETHANE	µg/l		0.05	<2.0	<2000	<2.0	<2.0	--	--	<2.0	--	<4.0	<2.0	<100
	1,2-DICHLOROBENZENE	µg/l	600	600	**1.3**	<2000	**1.3**	<2.0	**6.6**	**400**	<2.0	**0.33J**	<4.0	**2**	<100
	1,2-DICHLOROETHANE	µg/l	5	5	<2.0	<2000	<2.0	<2.0	**8.2**	<0.65U	<2.0	**1.4**	<4.0	<2.0	<100
	1,2-DICHLOROPROPANE	µg/l	5	5	<2.0	<2000	<2.0	<2.0	<0.9U	<0.9U	<2.0	<0.18U	<4.0	<2.0	<100
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<2.0	<2000	<2.0	<2.0	<0.8U	<0.8U	<2.0	<0.16U	<4.0	<2.0	<100
	1,3-DICHLOROBENZENE	µg/l		109	<2.0	<2000	<2.0	<2.0	<0.65U	**9.2**	<2.0	<0.13U	<4.0	<2.0	<100
	1,3-DICHLOROPROPANE	µg/l		324	<2.0	<2000	<2.0	<2.0	<1.1U	<1.1U	<2.0	<0.22U	<4.0	<2.0	<100
	1,4-DICHLOROBENZENE	µg/l	75	75	**1.5**	<2000	**2.1**	<2.0	**8.7**	**610**	<2.0	**0.51J**	<4.0	**1.7**	<100
	2,2-DICHLOROPROPANE	µg/l			<2.0	<2000	<2.0	<2.0	<0.9U	<0.9U	<2.0	<0.18U	<4.0	<2.0	<100
	2-CHLOROTOLUENE	µg/l		664	<5.0	<5000	<5.0	<5.0	<0.85U	<0.85U	<5.0	<0.17U	<10	<5.0	<250
	4-CHLOROTOLUENE	µg/l			<5.0	<5000	<5.0	<5.0	<1U	<1U	<5.0	<0.21U	<10	<5.0	<250
	BENZENE	µg/l	5	5	<2.0	**680000**	**0.98**	**0.28**	**3.1J**	**16**	<2.0	<0.16U	**1.8**	<2.0	**4600**
	BROMOBENZENE	µg/l		487	<5.0	<5000	<5.0	<5.0	<0.85U	<0.85U	<5.0	<0.17U	<10	<5.0	<250
	BROMOCHLOROMETHANE	µg/l			<5.0	<5000	<5.0	<5.0	<0.5U	<0.5U	<5.0	<0.1U	<10	<5.0	<250
	BROMODICHLOROMETHANE	µg/l	80	1.08	<2.0	<2000	<2.0	<2.0	<0.85U	<0.85U	<2.0	<0.17U	<4.0	<2.0	<100
	BROMOFORM	µg/l	80	8.51	<5.0	<5000	<5.0	<5.0	<0.95U	<0.95U	<5.0	<0.19U	<10	<5.0	<250
	BROMOMETHANE	µg/l		47.8	<5.0	<5000	<5.0	<5.0	<1U	<1U	<5.0	<0.21U	<10	<5.0	<250
	CARBON TETRACHLORIDE	µg/l	5	5	**0.47**	<1000	<1.0	<1.0	<0.95U	<0.95U	<1.0	<0.19U	**5.1J+**	**0.43J+**	**48**
	CHLOROBENZENE	µg/l	100	100	**2.3**	**73000**	**8.9**	**0.61**	**1000**	**850**	**0.43**	**1.5**	<4.0	<2.0	**13000**
	CHLOROETHANE	µg/l		23.2	<5.0	<5000	<5.0	<5.0	<2U	<2U	<5.0	<0.41U	<10	<5.0	<250
	CHLOROFORM	µg/l	80	1.62	**33**	**1700**	**0.6**	<2.0	<0.8U	<0.8U	<2.0	**1.9**	**490**	**24**	**19000**
	CHLOROMETHANE	µg/l		81.1	<5.0	<5000	<5.0	<5.0	<1.5U	<1.5U	<5.0	<0.3U	<10	<5.0UJ	<250
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<2.0	<2000	<2.0	<2.0	<0.75U	**1.1J**	<2.0	<0.15U	<4.0	<2.0	<100
	CIS-1,3-DICHLOROPROPENE	µg/l			<2.0	<2000	<2.0	<2.0	<0.8U	<0.8U	<2.0	<0.16U	<4.0	<2.0	<100
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<2.0	<2000	<2.0	<2.0	<0.85U	<0.85U	<2.0	<0.17U	<4.0	<2.0	**29**
	DIBROMOMETHANE	µg/l		225	<2.0	<2000	<2.0	<2.0	<0.85U	<0.85U	<2.0	<0.17U	<4.0	<2.0	<100
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<5.0	<5000UJ	<5.0	<5.0	<1.6U	<1.6U	<5.0	<0.31U	<10	<5.0	<250
	DIMETHYL DISULFIDE	µg/l			<2.0	<2000	<2.0	<2.0	<1.2UJ	<1.2UJ	<2.0	<0.25UJ	<4.0	**1.5**	<100
	ETHYLBENZENE	µg/l	700	700	<2.0	<2000	<2.0	<2.0	<0.8U	<0.8U	<2.0	<0.16U	<4.0	<2.0	<100
	HEXACHLOROBUTADIENE	µg/l		0.862	<5.0	<5000	<5.0	<5.0	<1.89U	<1.89U	<5.0	<1.98U	<10	<5.0	<250
	ISOPROPYLBENZENE	µg/l		3,440	<2.0	<2000	<2.0	<2.0	<0.95U	<0.95U	<2.0	<0.19U	<4.0	<2.0	<100
	M,P-XYLENE	µg/l		42,600	<2.0	<2000	<2.0	<2.0	<1.7U	<1.7U	<2.0	<0.34U	<4.0	<2.0	<100
	METHYLENE CHLORIDE	µg/l	5	5	<2.0	**2400**	<2.0	<2.0	<1.6U	<1.6U	<2.0	<0.32U	<4.0	<2.0	<100
	NAPHTHALENE	µg/l		4.29	<5.0	<5000	<5.0	<5.0	<0.283U	<0.283U	<5.0	<0.297U	<10	<5.0UJ	<250

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			EC-04	EC-07	EC-10	H-11	H-28	H-43	H-55	M-007B	M-057A	M-092	M-125
	Detections **BOLDED**	Date			04/14/11	04/26/11	04/13/11	04/25/11	03/24/11	03/24/11	04/19/11	03/30/11	04/25/11	04/22/11	04/28/11
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	BRC	BRC	CONVERSE	BRC	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<5.0	<5000	<5.0	<5.0	<0.7U	<0.7U	<5.0	<0.14U	<10	<5.0	<250
	N-PROPYLBENZENE	µg/l		363	<2.0	<2000	<2.0	<2.0	<0.8U	<0.8U	<2.0	<0.16U	<4.0	<2.0	<100
	O-XYLENE	µg/l		42,600	<2.0	<2000	<2.0	<2.0	<0.95U	<0.95U	<2.0	<0.19U	<4.0	<2.0	<100
	P-ISOPROPYL TOLUENE	µg/l			<2.0	<2000	<2.0	<2.0	<1U	<1U	<2.0	<0.2U	<4.0	<2.0	<100
	SEC-BUTYLBENZENE	µg/l		363	<5.0	<5000	<5.0	<5.0	<0.85U	<0.85U	<5.0	<0.17U	<10	<5.0	<250
	STYRENE	µg/l	100	100	<2.0	<2000	<2.0	<2.0	<0.85U	<0.85U	<2.0	<0.17U	<4.0	<2.0	<100
	TERT- BUTYLBENZENE	µg/l		363	<5.0	<5000	<5.0	<5.0	<0.8U	<0.8U	<5.0	<0.16U	<10	<5.0	<250
	TETRACHLOROETHENE	µg/l	5	5	<2.0	<2000	<2.0	<2.0	**3.9J**	<1U	<2.0	<0.2U	<4.0	<2.0	<100
	TOLUENE	µg/l	1,000	1,000	<2.0	**530**	<2.0	**0.4**	<0.85U	<0.85U	<2.0	<0.17U	<4.0	<2.0	<100
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<2.0	<2000	<2.0	<2.0	<0.75U	<0.75U	<2.0	<0.15U	<4.0	<2.0	<100
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<2.0	<2000	<2.0	<2.0	<0.95U	<0.95U	<2.0	<0.19U	<4.0	<2.0	<100
	TRICHLOROETHENE	µg/l	5	5	<2.0	<2000	<2.0	<2.0	**4.7J**	**69**	<2.0	<0.16U	**1.1**	**3**	<100
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<5.0	<5000	<5.0	<5.0	<1.4U	<1.4UJ	<5.0	<0.29U	<10	<5.0	**34**
	VINYL CHLORIDE	µg/l	2	2	<5.0	<5000UJ	<5.0	<5.0	<0.5U	<0.5U	<5.0	<0.1U	<10	<5.0	<250

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			M-142	MC-09R	MW-AHX	MW-A-J	MW-R	PC-028	PC-031	PC-064	PC-067	PW-01	H-18A
		Date			04/27/11	04/22/11	04/26/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/13/11	4/4/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	CONSENT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			**94**	**350**	**120**	**280**	**250**	**100**	**260**	**78**	**140**	**500**	--
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			**94**	**350**	**120**	**280**	**250**	**100**	**260**	**78**	**140**	**500**	--
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--
	CALCIUM	mg/l			**210**	**610**	**210**	**360**	**350**	**310**	**360**	**580**	**730**	**420**	--
	CHLORIDE	mg/l			**400**	**6400**	**440**	**1400**	**1200**	**920**	**1700**	**860**	**3500**	**2200**	--
	FLUORIDE	mg/l	4	4	**0.59**	**8.9**	**1.1**	**3.5**	**3**	**2.4**	**3.3**	**0.62**	**1.5**	**1.4**	--
	MAGNESIUM	mg/l		207	**120**	**390**	**100**	**170**	**170**	**110**	**160**	**200**	**340**	**570**	--
	NITRATE (AS N)	mg/l	10	10	**11**	**0.73J+**	**6.2**	**8.8**	**12**	**33**	**0.93**	**42**	**44**	**0.15**	--
	ORTHOPHOSPHATE AS PO4	mg/l			--	--	--	--	--	--	--	--	--	--	--
	PERCHLORATE	µg/L		18	**13000**	**370**	**41000**	**36000**	**40000**	**390000**	**11000**	**370000**	**71000**	**79**	--
	PH	pH Units			**7.9**	**7.2J**	**7.8J**	**6.8**	**7.3**	**7.5**	**7.5**	**7.3**	**7.4**	**7.4J**	--
	POTASSIUM	mg/l			**14**	**61**	**18**	**24**	**26**	**4.2**	**41**	**11**	**22**	**33**	--
	SODIUM	mg/l			**390**	**4600**	**480**	**1100**	**960**	**450**	**2500**	**1200**	**2500**	**1400**	--
	SULFATE	mg/l			**1300**	**2200**	**570**	**1600**	**1700**	**2500**	**1500**	**3000**	**3000**	**2400**	--
	TOTAL DISSOLVED SOLIDS	mg/l			**2500**	**15000**	**1900**	**5000**	**4800**	**6900**	**5300**	**7500**	**11000**	**7900**	--
TRACE METALS	ARSENIC	µg/l	10	10	**69**	**200**	**36**	**81**	**96**	**250**	**120**	**250**	**190**	**110**	**110**
	BARIUM	mg/l	2	2	**0.083**	**0.046**	**0.04**	**0.029**	**0.032**	**0.028**	**0.13**	**0.014**	**0.04**	**0.034**	--
	CADMIUM	mg/L	0.005	0.005	<0.001	**0.000099**	<0.001	<0.001	<0.001	<0.001	**0.00013**	**0.00015**	**0.000089**	<0.001	--
	CHROMIUM	mg/l	0.1	0.1	**0.044**	**0.0011**	**0.01**	**0.0024**	**0.0015**	**1.3**	**0.015**	**1.7**	**0.8**	**0.00093**	--
	LEAD	mg/L	0.015	0.015	**0.0015**	**0.000086**	**0.0006**	**0.000075**	**0.00017**	**0.00043**	**0.0028**	**0.00033**	**0.00028**	**0.00011**	--
	MERCURY	mg/l	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--
	SELENIUM	mg/L	0.05	0.05	**0.0034**	**0.0023**	**0.0076J-**	**0.0047**	**0.0091**	**0.0079**	**0.002**	**0.0065**	**0.0073**	**0.028**	--
	SILVER	mg/L		183	<0.005	**0.000065**	<0.005	<0.005	<0.005	<0.005	**0.000074**	<0.005	**0.00012**	<0.005	--
	URANIUM	mg/l	0.03	0.03	**0.0091**	**0.039**	**0.0065**	**0.037**	**0.035**	**0.12**	**0.013**	**0.046**	**0.14**	**0.35**	--
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	--	--	--	--	--	--	--	--	--	<50
	BENZENESULFONIC ACID	µg/L		18,300	--	--	--	--	--	--	--	--	--	--	<50
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	--	--	--	--	--	--	--	--	--	<50
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	--	--	--	--	--	--	--	--	--	<250
	PHTHALIC ACID	µg/L		73,000	--	--	--	--	--	--	--	--	--	--	<50
PESTICIDES	2,4'-DDD	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	2,4'-DDE	µg/l			<0.094	<0.094	<0.094	**0.024**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	2,4'-DDT	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	4,4'-DDD	µg/l		0.28	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	4,4'-DDE	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	4,4'-DDT	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	ALDRIN	µg/l		0.00395	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	--
	ALPHA-BHC	µg/l		0.0107	<0.0047	**0.27**	**0.0033**	**0.72**	**0.18**	<0.0047	**0.45**	**0.013J**	**0.12**	**3.8**	--
	BETA-BHC	µg/l		0.0374	<0.0094	**7.7**	**0.48**	**1.6**	**0.95**	<0.0094	**7.5**	<0.0094	<0.0094	**0.58J+**	--
	CHLORDANE	µg/l	2	2	<0.094	<0.094	<0.094	<0.094UJ	<0.094UJ	<0.094UJ	<0.094UJ	<0.094UJ	<0.094UJ	<0.094UJ	--
	DELTA-BHC	µg/l			<0.19	**2.8**	<0.19	**3.4**	**2.3**	<0.19	**1.2**	<0.19	<0.19	**0.25J+**	--
	DIELDRIN	µg/l		0.00420	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	--
	ENDOSULFAN I	µg/l		219	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	ENDOSULFAN II	µg/l		219	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	ENDOSULFAN SULFATE	µg/l			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	--
	ENDRIN	µg/l	2	2	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	ENDRIN ALDEHYDE	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	ENDRIN KETONE	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	<0.094	**0.039**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	**0.041**	**2.3**	--

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			M-142	MC-09R	MW-AHX	MW-A-J	MW-R	PC-028	PC-031	PC-064	PC-067	PW-01	H-18A
		Date			04/27/11	04/22/11	04/26/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/13/11	4/4/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	CONSENT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
		Units													
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	--
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	--
	METHOXYCHLOR	µg/l	40	40	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	--
	TOXAPHENE	µg/l	3	3	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	--
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<2.0	<2.0UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,1-DICHLOROETHANE	µg/l		11.8	<2.0	**0.77**	<2.0	**1.3**	<2.0	<2.0	**2**	<2.0	<2.0	<400	**0.92**
	1,1-DICHLOROETHENE	µg/l	7	7	**0.54**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.93**	<1000	<5.0
	1,1-DICHLOROPROPENE	µg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,2,3-TRICHLOROBENZENE	µg/l			<5.0	**1.8**	<5.0	**0.75**	**0.48**	<5.0	**1.2**	<5.0	<5.0	<1000	**0.41**
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<10	<10	<10	<10	<10	<10	<10	<10	<10	<2000	<10
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	<5.0	**0.52**	<5.0	**3.5**	**0.51**	<5.0	**17**	<5.0	<5.0	**110**	<5.0
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<5.0	<5.0UJ	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	1,2-DIBROMOETHANE	µg/l		0.05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,2-DICHLOROBENZENE	µg/l	600	600	<2.0	**0.46**	<2.0	**5**	<2.0	<2.0	**11**	**1.8**	**0.93**	**22000**	<2.0
	1,2-DICHLOROETHANE	µg/l	5	5	<2.0	**0.3**	<2.0	**0.47**	<2.0	<2.0	**0.58**	<2.0	<2.0	<400	**0.34**
	1,2-DICHLOROPROPANE	µg/l	5	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,3-DICHLOROBENZENE	µg/l		109	<2.0	<2.0	<2.0	**0.41**	<2.0	<2.0	**1.6**	**2.3**	**1**	**1200**	<2.0
	1,3-DICHLOROPROPANE	µg/l		324	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	1,4-DICHLOROBENZENE	µg/l	75	75	<2.0	**0.67**	<2.0	**6.9**	<2.0	<2.0	**17**	**1.3**	**1.4**	**23000**	<2.0
	2,2-DICHLOROPROPANE	µg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	2-CHLOROTOLUENE	µg/l		664	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	4-CHLOROTOLUENE	µg/l			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	BENZENE	µg/l	5	5	<2.0	**11**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**7800**	<2.0
	BROMOBENZENE	µg/l		487	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	BROMOCHLOROMETHANE	µg/l			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	BROMODICHLOROMETHANE	µg/l	80	1.08	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**0.66**	<400	<2.0
	BROMOFORM	µg/l	80	8.51	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	BROMOMETHANE	µg/l		47.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	CARBON TETRACHLORIDE	µg/l	5	5	**1**	<1.0	<1.0	<1.0	<1.0	**5.2**	<1.0	<1.0	**10**	**1700**	<1.0
	CHLOROBENZENE	µg/l	100	100	<2.0	**3.3**	<2.0	**0.51**	<2.0	<2.0	**1.2**	**0.44**	<2.0	**27000**	<2.0
	CHLOROETHANE	µg/l		23.2	<5.0	**0.64J-**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	CHLOROFORM	µg/l	80	1.62	**56**	**6.5**	**130**	**1**	**0.8**	**120**	**0.82**	**3.8**	**880**	**62000**	**27**
	CHLOROMETHANE	µg/l		81.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	CIS-1,3-DICHLOROPROPENE	µg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	DIBROMOMETHANE	µg/l		225	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<5.0UJ	<5.0	<5.0UJ	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	DIMETHYL DISULFIDE	µg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	ETHYLBENZENE	µg/l	700	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	HEXACHLOROBUTADIENE	µg/l		0.862	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	ISOPROPYLBENZENE	µg/l		3,440	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	M,P-XYLENE	µg/l		42,600	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	METHYLENE CHLORIDE	µg/l	5	5	<1.3U	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	NAPHTHALENE	µg/l		4.29	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			M-142	MC-09R	MW-AHX	MW-A-J	MW-R	PC-028	PC-031	PC-064	PC-067	PW-01	H-18A
	Detections **BOLDED**	Date			04/27/11	04/22/11	04/26/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/18/11	04/13/11	4/4/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	CONSENT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	N-PROPYLBENZENE	µg/l		363	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	O-XYLENE	µg/l		42,600	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	P-ISOPROPYL TOLUENE	µg/l			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	SEC-BUTYLBENZENE	µg/l		363	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	STYRENE	µg/l	100	100	<2.0	<2.0UJ	<2.0UJ	<2.0	<2.0	<2.0UJ	<2.0	<2.0	<2.0	<400	<2.0
	TERT- BUTYLBENZENE	µg/l		363	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	TETRACHLOROETHENE	µg/l	5	5	<2.0	<2.0	<2.0	<2.0	<2.0	**0.55**	<2.0	**1.9**	**19**	<400	<2.0
	TOLUENE	µg/l	1,000	1,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0
	TRICHLOROETHENE	µg/l	5	5	**1.8**	<2.0	<2.0	<2.0	<2.0	**0.54**	**0.4**	**1.9**	**0.57**	<400	<2.0
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0
	VINYL CHLORIDE	µg/l	2	2	<5.0UJ	<5.0	<5.0UJ	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			H-21R	H-49A	H-56A	H-58A	MC-113	MC-114	MC-47	MC-48	MC-49	MC-50	MC-53
	Detections **BOLDED**	Date			4/5/2011	4/4/2011	4/4/2011	4/4/2011	4/6/2011	4/6/2011	4/5/2011	4/5/2011	4/5/2011	4/6/2011	4/6/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CONSENT	CONSENT	CONSENT	CONSENT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--	--
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--	--
	CALCIUM	mg/l			--	--	--	--	--	--	--	--	--	--	--
	CHLORIDE	mg/l			--	--	--	--	--	--	--	--	--	--	--
	FLUORIDE	mg/l	4	4	--	--	--	--	--	--	--	--	--	--	--
	MAGNESIUM	mg/l		207	--	--	--	--	--	--	--	--	--	--	--
	NITRATE (AS N)	mg/l	10	10	--	--	--	--	--	--	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4	mg/l			--	--	--	--	--	--	--	--	--	--	--
	PERCHLORATE	µg/L		18	--	--	--	--	--	--	--	--	--	--	--
	PH	pH Units			--	--	--	--	--	--	--	--	--	--	--
	POTASSIUM	mg/l			--	--	--	--	--	--	--	--	--	--	--
	SODIUM	mg/l			--	--	--	--	--	--	--	--	--	--	--
	SULFATE	mg/l			--	--	--	--	--	--	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS	mg/l			--	--	--	--	--	--	--	--	--	--	--
TRACE METALS	ARSENIC	µg/l	10	10	**30**	**260**	**320**	**210**	**130**	**190**	**100**	**180**	**180**	**150**	**170**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM	mg/L	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	LEAD	mg/L	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	MERCURY	mg/l	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM	mg/L	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SILVER	mg/L		183	--	--	--	--	--	--	--	--	--	--	--
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	**15000**	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	**17000**	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	**120000**	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	<250	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	**410**	--	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	2,4'-DDE	µg/l			--	--	--	--	<0.095	<0.094	<0.094	**0.19**	**0.037**	<0.095	**0.023**
	2,4'-DDT	µg/l			--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	4,4'-DDD	µg/l		0.28	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	4,4'-DDE	µg/l		0.198	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	4,4'-DDT	µg/l		0.198	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	ALDRIN	µg/l		0.00395	--	--	--	--	<0.0048	<0.0047	<0.0047	<0.0047	<0.0047	<0.0048	<0.0048
	ALPHA-BHC	µg/l		0.0107	--	--	--	--	**0.99**	**2.1**	**0.1**	**1.2**	**3.4**	**1.6**	**0.17**
	BETA-BHC	µg/l		0.0374	--	--	--	--	**10**	**4.5**	**1.9**	**6.5**	**7.7**	**12**	**1.3**
	CHLORDANE	µg/l	2	2	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	DELTA-BHC	µg/l			--	--	--	--	**0.33**	**1.6**	**0.79**	**0.4**	**0.73**	**0.51**	**0.36**
	DIELDRIN	µg/l		0.00420	--	--	--	--	<0.0048	<0.0047	<0.0047	<0.0047	<0.0047	<0.0048	<0.0048
	ENDOSULFAN I	µg/l		219	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	ENDOSULFAN II	µg/l		219	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	ENDOSULFAN SULFATE	µg/l			--	--	--	--	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN	µg/l	2	2	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	ENDRIN ALDEHYDE	µg/l			--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	ENDRIN KETONE	µg/l			--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	--	--	--	--	**0.043**	**0.063**	<0.094	<0.094	<0.094	**0.14**	<0.095

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

EXCEEDS MCL

EXCEEDS BCL

Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			H-21R	H-49A	H-56A	H-58A	MC-113	MC-114	MC-47	MC-48	MC-49	MC-50	MC-53
		Date			4/5/2011	4/4/2011	4/4/2011	4/4/2011	4/6/2011	4/6/2011	4/5/2011	4/5/2011	4/5/2011	4/6/2011	4/6/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CONSENT	CONSENT	CONSENT	CONSENT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	--	--	--	--	<0.0095	<0.0094	<0.0094	<0.0094	<0.0094	<0.0095	<0.0095
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	--	--	--	--	<0.0048	<0.0047	<0.0047	<0.0047	<0.0047	<0.0048	<0.0048
	METHOXYCHLOR	µg/l	40	40	--	--	--	--	<0.095	<0.094	<0.094	<0.094	<0.094	<0.095	<0.095
	TOXAPHENE	µg/l	3	3	--	--	--	--	<4.8	<4.7	<4.7	<4.7	<4.7	<4.8	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	µg/l		11.8	<80	**11**	**0.49**	**3.1**	**1.5**	**29**	<2.0	**2.2**	**3.2**	**2.8**	**2.4**
	1,1-DICHLOROETHENE	µg/l	7	7	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	µg/l			<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	µg/l			**18**	**5**	**4.3**	**4.5**	**1.8**	**2.2**	<5.0	**0.66**	**1.8**	**1.8**	<5.0
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<400	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	**92**	**17**	**8.3**	**8.3**	**5.9**	**2.9**	<5.0	**3.7**	**8.9**	**6.3**	<5.0
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	µg/l		0.05	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	µg/l	600	600	**100**	**20**	**1.5**	**11**	**3.5**	**16**	<2.0	**4.6**	**23**	**2.7**	<2.0
	1,2-DICHLOROETHANE	µg/l	5	5	<80	<2.0	**0.49**	<2.0	<2.0	**3.1**	<2.0	<2.0	**0.63**	**0.87**	**0.78**
	1,2-DICHLOROPROPANE	µg/l	5	5	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	µg/l		109	<80	**1.8**	**0.55**	**1.2**	<2.0	**1.5**	<2.0	<2.0	**1.1**	<2.0	<2.0
	1,3-DICHLOROPROPANE	µg/l		324	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	µg/l	75	75	**180**	**28**	**2.6**	**14**	**5.6**	**19**	<2.0	**7.1**	**36**	**4.2**	<2.0
	2,2-DICHLOROPROPANE	µg/l			<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	µg/l		664	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	µg/l			<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BENZENE	µg/l	5	5	**820**	**3.2**	<2.0	**1.2**	**5.8**	**290**	<2.0	**0.75**	**2.1**	**34**	<2.0
	BROMOBENZENE	µg/l		487	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	µg/l			<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	µg/l	80	1.08	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	µg/l	80	8.51	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	µg/l		47.8	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	µg/l	5	5	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	µg/l	100	100	**8300**	**140**	**0.37**	**11**	**8.4**	**300**	**0.64**	**43**	**290**	**23**	<2.0
	CHLOROETHANE	µg/l		23.2	<200	<5.0	<5.0	<5.0	<5.0	**1.2**	<5.0	<5.0	<5.0	<5.0	**0.69**
	CHLOROFORM	µg/l	80	1.62	<80	**0.97**	**1.8**	**5.2**	**5.7**	**22**	**13**	**4.2**	**2.5**	**15**	**14**
	CHLOROMETHANE	µg/l		81.1	<200	<5.0	<5.0	<5.0	<5.0	**0.5**	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	µg/l			<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	µg/l		225	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	µg/l			<80	<2.0	<2.0	<2.0	**2.9**	<2.0	<2.0	<2.0	<2.0	**2.8**	<2.0
	ETHYLBENZENE	µg/l	700	700	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	µg/l		0.862	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	ISOPROPYLBENZENE	µg/l		3,440	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENE	µg/l		42,600	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	µg/l	5	5	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**0.99**
	NAPHTHALENE	µg/l		4.29	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			H-21R	H-49A	H-56A	H-58A	MC-113	MC-114	MC-47	MC-48	MC-49	MC-50	MC-53
	Detections **BOLDED**	Date			4/5/2011	4/4/2011	4/4/2011	4/4/2011	4/6/2011	4/6/2011	4/5/2011	4/5/2011	4/5/2011	4/6/2011	4/6/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CONSENT	CONSENT	CONSENT	CONSENT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units													
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	µg/l		363	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	µg/l		42,600	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	µg/l			<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	µg/l		363	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	µg/l	100	100	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	µg/l		363	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	µg/l	5	5	<80	**2.1**	<2.0	<2.0	<2.0	**3.1**	<2.0	<2.0	<2.0	<2.0	**1.5**
	TOLUENE	µg/l	1,000	1,000	<80	<2.0	<2.0	<2.0	<2.0	**0.37**	<2.0	<2.0	<2.0	<2.0	<2.0
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	µg/l	5	5	**58**	**4.2**	<2.0	**2.4**	**0.28**	**11**	<2.0	**2**	**0.8**	<2.0	**0.37**
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	µg/l	2	2	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			MW-01	MW-02	MW-03	MW-04	WELL-A	WELL-B	WELL-C	WELL-D2	WELL-E3	WELL-F
	Detections **BOLDED**	Date			4/20/2011	4/20/2011	4/21/2011	4/21/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CP SEMI	CP SEMI	CP SEMI	CP SEMI	CONSENT	CONSENT	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--
	CALCIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	CHLORIDE	mg/l			--	--	--	--	--	--	--	--	--	--
	FLUORIDE	mg/l	4	4	--	--	--	--	--	--	--	--	--	--
	MAGNESIUM	mg/l		207	--	--	--	--	--	--	--	--	--	--
	NITRATE (AS N)	mg/l	10	10	--	--	--	--	--	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4	mg/l			--	--	--	--	--	--	--	--	--	--
	PERCHLORATE	µg/L		18	--	--	--	--	--	--	--	--	--	--
	PH	pH Units			--	--	--	--	--	--	--	--	--	--
	POTASSIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	SODIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	SULFATE	mg/l			--	--	--	--	--	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS	mg/l			**760**	**6400**	**7600**	**3200**			**2700**	**8200**	**12000**	**20000**
TRACE METALS	ARSENIC	µg/l	10	10	**60**	**65**	**78**	**90**			**140**	**110**	**110**	**160**
	BARIUM	mg/l	2	2	**0.027**	**0.054**	**0.05**	**0.024**			**0.028**	**0.043**	**0.051**	**0.039**
	CADMIUM	mg/L	0.005	0.005	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	**0.000058**
	CHROMIUM	mg/l	0.1	0.1	**0.011**	<0.002	<0.002	**0.0051**			**0.0011**	<0.002	<0.002	**0.0019**
	LEAD	mg/L	0.015	0.015	**0.00021**	**0.00031**	**0.00025**	<0.001			**0.0006**	**0.000068**	<0.001	**0.00036**
	MERCURY	mg/l	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020			<0.0002	<0.0002	<0.0002	<0.0002
	SELENIUM	mg/L	0.05	0.05	**0.0023**	**0.0029**	**0.021**	**0.011**			<0.005	<0.005	**0.0006**	**0.00099**
	SILVER	mg/L		183	<0.001	<0.001	<0.001	<0.001			<0.005	<0.005	<0.005	<0.005
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	--	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	µg/l			<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	µg/l			<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	µg/l		0.28	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	**0.051**	**0.05**	<0.094
	ALDRIN	µg/l		0.00395	<0.094	<0.094	<0.094	<0.094	--	--	<0.0047	<0.0047	<0.0047	<0.0047
	ALPHA-BHC	µg/l		0.0107	<0.094	**0.049**	**0.61**	<0.094	--	--	**0.41**	**4.6**	**6.3**	**17**
	BETA-BHC	µg/l		0.0374	<0.094	<0.094	**0.6**	<0.094	--	--	**4.5**	**18**	**18**	**33**
	CHLORDANE	µg/l	2	2	<0.94	<0.94	<0.94	<0.94	--	--	<0.094	<0.094	<0.094	<0.094
	DELTA-BHC	µg/l			<0.19	<0.19	**0.34**	<0.19	--	--	**2.3**	**3.2**	**2.3**	**2**
	DIELDRIN	µg/l		0.00420	<0.094	<0.094	<0.094	<0.094	--	--	<0.0047	<0.0047	<0.0047	<0.0047
	ENDOSULFAN I	µg/l		219	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	µg/l		219	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	µg/l			<0.19	<0.19	<0.19	<0.19	--	--	<0.19	<0.19	<0.19	<0.19
	ENDRIN	µg/l	2	2	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	ENDRIN ALDEHYDE	µg/l			<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	µg/l			<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	<0.094	<0.094	**0.46**	<0.094	--	--	<0.094	<0.094	<0.094	**0.17**

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			MW-01	MW-02	MW-03	MW-04	WELL-A	WELL-B	WELL-C	WELL-D2	WELL-E3	WELL-F
		Date			4/20/2011	4/20/2011	4/21/2011	4/21/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CP SEMI	CP SEMI	CP SEMI	CP SEMI	CONSENT	CONSENT	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.094	<0.094	<0.094	<0.094	--	--	<0.0094	<0.0094	<0.0094	<0.0094
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.094	<0.094	<0.094	<0.094	--	--	<0.0047	<0.0047	<0.0047	<0.0047
	METHOXYCHLOR	µg/l	40	40	<0.094	<0.094	<0.094	<0.094	--	--	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	µg/l	3	3	<4.7	<4.7	<4.7	<4.7	--	--	<4.7	<4.7	<4.7	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,1-DICHLOROETHANE	µg/l		11.8	<2.0	<400	<400	<20	<2.0	**0.52**	**1.8**	**18**	**13**	**19**
	1,1-DICHLOROETHENE	µg/l	7	7	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	**1.3**	<100	<100
	1,1-DICHLOROPROPENE	µg/l			<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,2,3-TRICHLOROBENZENE	µg/l			<5.0	<1000	<1000	<50	<5.0	<5.0	**1.6**	**21**	**19**	**42**
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<10	<2000	<2000	<100	<10	<10	<10	<20	<200	<200
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	<5.0	<1000	<1000	<50	<5.0	<5.0	**5.1**	**110**	**110**	**200**
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	1,2-DIBROMOETHANE	µg/l		0.05	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,2-DICHLOROBENZENE	µg/l	600	600	**0.67**	**80**	**22000**	**6.2**	<2.0	<2.0	**2.2**	**350**	**99**	**290**
	1,2-DICHLOROETHANE	µg/l	5	5	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	**5**	**7.2**	**25**
	1,2-DICHLOROPROPANE	µg/l	5	5	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,3-DICHLOROBENZENE	µg/l		109	<2.0	<400	**1100**	<20	<2.0	<2.0	**0.61**	**15**	**7.4**	**28**
	1,3-DICHLOROPROPANE	µg/l		324	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	1,4-DICHLOROBENZENE	µg/l	75	75	<2.0	**140**	**22000**	**6.0**	<2.0	<2.0	**2.8**	**460**	**160**	**420**
	2,2-DICHLOROPROPANE	µg/l			<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	2-CHLOROTOLUENE	µg/l		664	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	4-CHLOROTOLUENE	µg/l			<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	BENZENE	µg/l	5	5	<2.0	**1400**	**1000**	<20	<2.0	<2.0	<2.0	**74**	**4200**	**3500**
	BROMOBENZENE	µg/l		487	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	BROMOCHLOROMETHANE	µg/l			<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	BROMODICHLOROMETHANE	µg/l	80	1.08	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	BROMOFORM	µg/l	80	8.51	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	BROMOMETHANE	µg/l		47.8	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	CARBON TETRACHLORIDE	µg/l	5	5	<1.0	**220**	<20	**7.8**	<1.0	<1.0	<1.0	<2.0	<20	<20
	CHLOROBENZENE	µg/l	100	100	<2.0	**2000**	**15000**	<20	<2.0	<2.0	**0.37**	**750**	**4500**	**4800**
	CHLOROETHANE	µg/l		23.2	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	CHLOROFORM	µg/l	80	1.62	**3.2**	**82000**	**18000**	**2700**	**22**	**1.7**	**1.4**	**5**	**11**	**51**
	CHLOROMETHANE	µg/l		81.1	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	**0.76**	<40	<40
	CIS-1,3-DICHLOROPROPENE	µg/l			<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	DIBROMOMETHANE	µg/l		225	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	DIMETHYL DISULFIDE	µg/l			<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	ETHYLBENZENE	µg/l	700	700	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	HEXACHLOROBUTADIENE	µg/l		0.862	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	ISOPROPYLBENZENE	µg/l		3,440	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	M,P-XYLENE	µg/l		42,600	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	METHYLENE CHLORIDE	µg/l	5	5	<2.0	**190**	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	NAPHTHALENE	µg/l		4.29	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			MW-01	MW-02	MW-03	MW-04	WELL-A	WELL-B	WELL-C	WELL-D2	WELL-E3	WELL-F
	Detections **BOLDED**	Date			4/20/2011	4/20/2011	4/21/2011	4/21/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			CP SEMI	CP SEMI	CP SEMI	CP SEMI	CONSENT	CONSENT	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	N-PROPYLBENZENE	µg/l		363	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	O-XYLENE	µg/l		42,600	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	P-ISOPROPYL TOLUENE	µg/l			<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	SEC-BUTYLBENZENE	µg/l		363	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	STYRENE	µg/l	100	100	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	TERT- BUTYLBENZENE	µg/l		363	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	TETRACHLOROETHENE	µg/l	5	5	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	TOLUENE	µg/l	1,000	1,000	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	<4.0	<40	<40
	TRICHLOROETHENE	µg/l	5	5	<2.0	<400	<400	<20	<2.0	<2.0	<2.0	**73**	**49**	**26**
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100
	VINYL CHLORIDE	µg/l	2	2	<5.0	<1000	<1000	<50	<5.0	<5.0	<5.0	<10	<100	<100

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O	WELL-P
	Detections **BOLDED**	Date			4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, BICARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3)	mg/l			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3	mg/l			--	--	--	--	--	--	--	--	--	--
	CALCIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	CHLORIDE	mg/l			--	--	--	--	--	--	--	--	--	--
	FLUORIDE	mg/l	4	4	--	--	--	--	--	--	--	--	--	--
	MAGNESIUM	mg/l		207	--	--	--	--	--	--	--	--	--	--
	NITRATE (AS N)	mg/l	10	10	--	--	--	--	--	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4	mg/l			--	--	--	--	--	--	--	--	--	--
	PERCHLORATE	µg/L		18	--	--	--	--	--	--	--	--	--	--
	PH	pH Units			--	--	--	--	--	--	--	--	--	--
	POTASSIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	SODIUM	mg/l			--	--	--	--	--	--	--	--	--	--
	SULFATE	mg/l			--	--	--	--	--	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS	mg/l			**18000**	**22000**	**12000**	**5100**	**29000**	**17000**	**26000**	**6000**	**19000**	**4300**
TRACE METALS	ARSENIC	µg/l	10	10	**110**	**170**	**330**	**82**	**240**	**87**	**220**	**88**	**120**	**110**
	BARIUM	mg/l	2	2	**0.043**	**0.054**	**0.056**	**0.037**	**0.049**	**0.041**	**0.059**	**0.034**	**0.043**	**0.03**
	CADMIUM	mg/L	0.005	0.005	<0.001	<0.002	**0.00014**	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001
	CHROMIUM	mg/l	0.1	0.1	<0.002	<0.004	**0.0017**	**0.074**	**0.059**	**0.00074**	<0.004	**0.00099**	<0.002	<0.002
	LEAD	mg/L	0.015	0.015	<0.001	**0.00026**	**0.004**	**0.028**	<0.002	<0.001	<0.002	**0.0012**	<0.001	**0.00011**
	MERCURY	mg/l	0.002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	SELENIUM	mg/L	0.05	0.05	**0.00074**	<0.01	<0.005	**0.00075**	<0.01	**0.0006**	<0.01	<0.005	**0.00071**	<0.005
	SILVER	mg/L		183	<0.005	<0.01	**0.000089**	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005	<0.005
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	µg/L		36,500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	µg/L		18,300	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	µg/L		2,920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	µg/L		3,650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	µg/L		73,000	--	--	--	--	--	--	--	--	--	--
PESTICIDES	2,4'-DDD	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	µg/l		0.28	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	µg/l		0.198	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALDRIN	µg/l		0.00395	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	ALPHA-BHC	µg/l		0.0107	**55**	**150**	**1.7**	**4.2**	**160**	**8.5**	**11**	**3.9**	**34**	**4.8**
	BETA-BHC	µg/l		0.0374	**44**	**39**	**0.31**	**18**	**29**	**30**	**9.1**	**20**	**47**	**9.9**
	CHLORDANE	µg/l	2	2	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	DELTA-BHC	µg/l			**2.6**	**4**	**1.8**	**2.9**	**4.8**	**1.6**	**6.4**	**2.4**	**2.5**	**4.5**
	DIELDRIN	µg/l		0.00420	**0.075**	<0.0047	<0.0047	<0.0047	**0.049**	<0.0047	<0.0047	<0.0047	**0.0084**	<0.0047
	ENDOSULFAN I	µg/l		219	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	µg/l		219	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	µg/l			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN	µg/l	2	2	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN ALDEHYDE	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	µg/l			<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	µg/l	0.2	0.2	**0.99**	**2.9**	<0.094	<0.094	**4.4**	<0.094	<0.094	<0.094	**0.52**	<0.094

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer			SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O	WELL-P
	Detections **BOLDED**	Date			4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES (Cont.)	HEPTACHLOR	µg/l	0.4	0.4	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094
	HEPTACHLOR EPOXIDE	µg/l	0.2	0.2	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	METHOXYCHLOR	µg/l	40	40	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	µg/l	3	3	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	µg/l		2.29	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	1,1,1-TRICHLOROETHANE	µg/l	200	200	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,1,2,2-TETRACHLOROETHANE	µg/l		0.297	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,1,2-TRICHLOROETHANE	µg/l	5	5	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,1-DICHLOROETHANE	µg/l		11.8	<400	**80**	**39**	**16**	**260**	<200	**120**	**20**	<80	**3.1**
	1,1-DICHLOROETHENE	µg/l	7	7	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	1,1-DICHLOROPROPENE	µg/l			<400	<400	<10	<4.0	<100	<200	<40	<8.0	**460**	<2.0
	1,2,3-TRICHLOROBENZENE	µg/l			<1000	<1000	<25	**23**	**32**	**33**	**7.2**	**25**	**45**	**6**
	1,2,3-TRICHLOROPROPANE	µg/l		0.0336	<2000	<2000	<50	<20	<500	<1000	<200	<40	<400	<10
	1,2,4-TRICHLOROBENZENE	µg/l	70	70	**200**	**240**	<25	**120**	**130**	**170**	**38**	**150**	**210**	**23**
	1,2,4-TRIMETHYLBENZENE	µg/l		51.1	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	µg/l		0.2	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	1,2-DIBROMOETHANE	µg/l		0.05	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,2-DICHLOROBENZENE	µg/l	600	600	**1200**	**780**	**19**	**240**	**430**	**100**	**160**	**840**	**840**	**15**
	1,2-DICHLOROETHANE	µg/l	5	5	<400	<400	**19**	**5.6**	**20**	<200	**9**	**4.7**	**22**	**1.4**
	1,2-DICHLOROPROPANE	µg/l	5	5	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,3,5-TRIMETHYLBENZENE	µg/l		655	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,3-DICHLOROBENZENE	µg/l		109	**78**	<400	<10	**9.9**	**32**	<200	**11**	**28**	**58**	**3**
	1,3-DICHLOROPROPANE	µg/l		324	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	1,4-DICHLOROBENZENE	µg/l	75	75	**2100**	**1400**	**26**	**390**	**750**	**190**	**260**	**1100**	**1400**	**22**
	2,2-DICHLOROPROPANE	µg/l			<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	2-CHLOROTOLUENE	µg/l		664	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	4-CHLOROTOLUENE	µg/l			<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	BENZENE	µg/l	5	5	**29000**	**41000**	**18**	**13**	**13000**	**18000**	**4200**	**28**	**9200**	**5.2**
	BROMOBENZENE	µg/l		487	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	BROMOCHLOROMETHANE	µg/l			<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	BROMODICHLOROMETHANE	µg/l	80	1.08	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	BROMOFORM	µg/l	80	8.51	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	BROMOMETHANE	µg/l		47.8	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	CARBON TETRACHLORIDE	µg/l	5	5	<200	<200	<5.0	<2.0	<50	<100	<20	<4.0	<40	<1.0
	CHLOROBENZENE	µg/l	100	100	**28000**	**34000**	**2000**	**660**	**14000**	**9000**	**7800**	**350**	**13000**	**56**
	CHLOROETHANE	µg/l		23.2	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	CHLOROFORM	µg/l	80	1.62	**420**	**600**	<10	**1.7**	**1200**	<200	<40	**2.8**	**660**	<2.0
	CHLOROMETHANE	µg/l		81.1	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	CIS-1,2-DICHLOROETHENE	µg/l	70	70	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	CIS-1,3-DICHLOROPROPENE	µg/l			<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	DIBROMOCHLOROMETHANE	µg/l	80	0.697	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	DIBROMOMETHANE	µg/l		225	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	DICHLORODIFLUOROMETHANE	µg/l		5,840	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	DIMETHYL DISULFIDE	µg/l			<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	ETHYLBENZENE	µg/l	700	700	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	HEXACHLOROBUTADIENE	µg/l		0.862	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	ISOPROPYLBENZENE	µg/l		3,440	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	M,P-XYLENE	µg/l		42,600	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	METHYLENE CHLORIDE	µg/l	5	5	<400	<400	**5**	<4.0	<100	<200	<40	<8.0	<80	<2.0
	NAPHTHALENE	µg/l		4.29	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0

See last page for definitions of abbreviations and footnotes

TABLE 2
WATER QUALITY DATA, SECOND QUARTER 2011

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O	WELL-P
	Detections **BOLDED**	Date			4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011	4/8/2011
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE	EXTRACTION WELL PERFORMANCE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS (Cont.)	N-BUTYLBENZENE	µg/l		363	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	N-PROPYLBENZENE	µg/l		363	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	O-XYLENE	µg/l		42,600	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	P-ISOPROPYL TOLUENE	µg/l			<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	SEC-BUTYLBENZENE	µg/l		363	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	STYRENE	µg/l	100	100	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	TERT- BUTYLBENZENE	µg/l		363	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	TETRACHLOROETHENE	µg/l	5	5	<400	**100**	**2**	<4.0	**69**	<200	<40	<8.0	<80	<2.0
	TOLUENE	µg/l	1,000	1,000	<400	<400	**2.6**	<4.0	**18**	<200	<40	<8.0	<80	<2.0
VOLATILE ORGANIC COMPOUNDS	TRANS-1,2-DICHLOROETHENE	µg/l	100	100	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	TRANS-1,3-DICHLOROPROPENE	µg/l		0.66	<400	<400	<10	<4.0	<100	<200	<40	<8.0	<80	<2.0
	TRICHLOROETHENE	µg/l	5	5	<400	<400	**32**	**21**	**24**	**26**	**54**	**64**	**11**	**0.72**
	TRICHLOROFLUOROMETHANE	µg/l		9,890	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0
	VINYL CHLORIDE	µg/l	2	2	<1000	<1000	<25	<10	<250	<500	<100	<20	<200	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3

FIELD PARAMETER DATA, SECOND QUARTER 2011

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
AA-BW-01A	Shallow	03/25/11	BRC_2010	26719796.29	826111.9639	682.00	1.14	-104
AA-BW-02A	Shallow	03/29/11	BRC_2010	26720212.08	826045.0145	6.99	6.82	1.14
AA-BW-03A	Shallow	03/29/11	BRC_2010	26720585.58	825971.0179	7.17	0.00	32
AA-BW-04A	Shallow	03/24/11	BRC_2010	26721142.32	825491.8016	7.05	0.00	-61
AA-BW-05A	Shallow	03/24/11	BRC_2010	26721177.56	825065.4401	7.19	0.00	-113
AA-BW-06A	Shallow	03/30/11	BRC_2010	26721238.26	824476.16	7.33	0.00	-184
AA-BW-08A	Shallow	03/25/11	BRC_2010	26719489.73	825329.7138	7.20	0.00	-308
AA-BW-09A	Shallow	03/28/11	BRC_2010	26719450.97	825696.1733	6.62	0.36	82
AA-BW-12A	Shallow	03/30/11	BRC_2010	26718772.36	824440.207	6.85	0.00	-262
AA-MW-05	Shallow	04/12/11	SITEWIDE	26715530.78	824351.37	6.60	5.83	94
AA-MW-07	Shallow		BRC_2010	26719344.4	826126.54			
AA-MW-13	Shallow	04/21/11	SITEWIDE	26717020.38	825332.59	11.44	0.00	-108
AA-MW-14	Shallow	04/13/11	SITEWIDE	26717082.46	825660.68	6.07	0.00	115
AA-MW-20	Shallow	04/20/11	SITEWIDE	26716567.82	824824.72	7.28	0.65	-79
AA-MW-24	Shallow	04/25/11	SITEWIDE	26715179.28	825495.58	6.29	9.44	162
AA-MW-25	Shallow	04/20/11	SITEWIDE	26717917.91	825508.327	7.09	0.46	-28
B-01	Shallow	04/13/11	SITEWIDE	26717341.36	825676.63	6.10	0.08	109
B-16	Shallow	04/15/11	SITEWIDE	26718137.87	823953.15	7.27	0.00	-143
EC-02	Shallow		BRC_2010	26719453.56	825069.7			
EC-03	Shallow	04/21/11	SITEWIDE	26717247.43	824697.84	7.05	0.28	87
EC-04	Shallow	04/14/11	SITEWIDE	26717035.31	824135.84	7.70	3.75	65
EC-07	Shallow	04/26/41	SITEWIDE	26717808.89	824698.682	6.85	0.46	-182
EC-10	Shallow	04/13/11	SITEWIDE	26717752.81	823570.098	6.06	6.64	124
H-11	Shallow	04/25/11	SITEWIDE	26714839.94	826574.18	6.36	1.73	-178
H-18A	Shallow	04/04/11	CONSENT	26721612.61	824126.38	7.35	1.05	77
H-21R	Shallow	04/05/11	CONSENT	26721148.51	824914.54	6.55	0.21	-177
H-28	Shallow	03/24/11	BRC_2010	26721021.82	825871.32	6.65	0.39	52
H-43	Shallow	03/24/11	BRC_2010	26721179.6	824660.68	7.44	0.00	-188
H-49A	Shallow	04/04/11	CONSENT	26723485.4	826110.29	7.01	0.00	102
H-55	Shallow	04/19/11	SITEWIDE	26720010.2	823645.49	8.01	0.00	-265
H-56A	Shallow	04/04/11	CONSENT	26723934.55	825665.28	7.21	0.00	154
H-58A	Shallow	04/04/11	CONSENT	26723331.88	825642.55	6.98	0.00	109
M-007B	Shallow	03/30/11	BRC_2010	26720979.66	826106.497	7.02	0.59	103
M-057A	Shallow	04/25/11	SITEWIDE	26719782.7	826992.8	7.40	4.69	147
M-092	Shallow	04/22/11	SITEWIDE	26717531.9	827138.1	5.52	12.26	234
M-125	Shallow	04/28/11	SITEWIDE	26719139.3	826519.4	7.18	0.00	130
M-142	Shallow	04/27/11	SITEWIDE	26718841.3	827179.5	7.86	6.42	122
MC-09R	Shallow		SITEWIDE	26721902.48	825450.321			
MC-113	Shallow	04/06/11	TRANSECT	26722279.41	825538.878	6.26	0.00	73
MC-114	Shallow	04/06/11	TRANSECT	26722158.53	825835.009	6.98	0.00	74
MC-47	Shallow	04/05/11	TRANSECT	26722506.28	824640.51	7.36	2.05	164
MC-48	Shallow	04/05/11	TRANSECT	26722431.11	824952.84	6.62	0.00	11
MC-49	Shallow	04/05/11	TRANSECT	26722360.49	825182.72	6.51	0.00	-104
MC-50	Shallow	04/06/11	TRANSECT	26722076.15	825534.87	6.22	0.00	81
MC-53	Shallow	04/06/11	TRANSECT	26721920.01	825942.24	6.03	0.00	121
MCF-BW-11A	Shallow	03/30/11	BRC_2010	26718693.95	824044.543	7.59	2.69	67
MW-01	Shallow		CP SEMI	26715187.41	825536.01			
MW-02	Shallow		CP SEMI	26716364.2	825639.84			
MW-03	Shallow		CP SEMI	26716390.46	825354.12			
MW-04	Shallow		CP SEMI	26716415.06	825073.9			

HARGIS + ASSOCIATES, INC.

TABLE 3

FIELD PARAMETER DATA, SECOND QUARTER 2011

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
MW-AHX	Shallow	04/26/11	SITEWIDE	26721020.3	823443	7.32	10.20	128
MW-A-J	Shallow	04/18/11	SITEWIDE	26726031.22	826455.22	6.43	2.94	181
MW-R	Shallow	04/18/11	SITEWIDE	26725018.3	825423.72	7.30	0.28	118
PC-028	Shallow	04/18/11	SITEWIDE	26725375.9	828530.32	7.40	1.13	162
PC-031	Shallow	04/18/11	SITEWIDE	26725195.94	826781.35	7.58	0.00	59
PC-064	Shallow	04/18/11	SITEWIDE	26723702.69	827916.07	7.24	3.79	130
PC-067	Shallow	04/15/11	SITEWIDE	26723846.94	829207.39	7.16	4.19	147
PW-01	Shallow	04/13/11	SITEWIDE	26716402.77	825302.29	7.01	0.00	123
WELL-A	Shallow	04/08/11	EXTRACTION	26722333.1	824339.92	6.99	5.27	109
WELL-B	Shallow	04/08/11	EXTRACTION	26722235.68	824484.88	6.66	0.00	109
WELL-C	Shallow		EXTRACTION	26722157.41	824604.78			
WELL-D2	Shallow		EXTRACTION	26721802.52	825124.05			
WELL-E3	Shallow		EXTRACTION	26721705.66	825263.64			
WELL-F	Shallow		EXTRACTION	26721607.4	825407.5			
WELL-G	Shallow		EXTRACTION	26721526.56	825525.13			
WELL-H2	Shallow		EXTRACTION	26721467.01	825614.58			
WELL-I	Shallow		EXTRACTION	26721329.16	825814.25			
WELL-J	Shallow		EXTRACTION	26721983.74	824858.85			
WELL-K2	Shallow		EXTRACTION	26721397.81	825712.42			
WELL-L	Shallow		EXTRACTION	26721664.3	825323.72			
WELL-M2	Shallow		EXTRACTION	26721358.75	825769.742			
WELL-N	Shallow		EXTRACTION	26721893.86	824991.644			
WELL-O	Shallow		EXTRACTION	26721566.82	825467.246			
WELL-P	Shallow		EXTRACTION	26722082.08	824714.381			
AGX-90	Middle	04/26/11	SITEWIDE	26719984.41	822797.723	8.19	5.01	-30
CP-01	Middle	04/14/11	SITEWIDE	26716403.47	825287.67	7.53	1.62	74
DPT-01	Middle	04/21/11	SITEWIDE	26717349.85	825680.22	7.46	0.37	68
EC-12	Middle	04/21/11	SITEWIDE	26717268.65	824795.321	5.30	5.30	-8
EC-13	Middle	04/26/11	SITEWIDE	26717593.8	824661.582	7.81	0.00	-178
EC-14	Middle	04/14/11	SITEWIDE	26718049.25	824258.278	7.80	0.39	-138
M-136	Middle	04/27/11	SITEWIDE	26719889.77	827165.342	7.42	3.16	133
M-149	Middle	04/28/11	SITEWIDE	26718285.82	828373.093	7.85	3.84	125
M-150	Middle	04/27/11	SITEWIDE	26719569.84	828058.955	8.32	4.12	96
MC-MW-09	Middle	04/15/11	SITEWIDE	26716752.37	825794.59	6.09	5.86	170
MC-MW-10	Middle	03/25/11	SITEWIDE	26717919.06	825523.88	6.27	1.51	-54
MC-MW-11	Middle	03/25/11	SITEWIDE	26717766	824860.15	7.61	0.00	-159
MC-MW-12	Middle	03/28/11	BRC_2010	26717903.04	826293.89	7.72	0.00	-227
MC-MW-15	Middle	04/15/11	SITEWIDE	26718415.14	825513.65	7.26	3.73	-158
MC-MW-17	Middle	04/22/11	SITEWIDE	26717707.84	826576.824	6.62	4.02	-67
MC-MW-18	Middle	04/29/11	SITEWIDE	26718439.15	826495.85	7.37	0.00	-207
MC-MW-29	Middle	04/25/11	SITEWIDE	26721910.09	825436.285	7.11	3.38	-157
MC-MW-30	Middle	03/29/11	SITEWIDE	26721948.8	825000.217	7.17	0.00	-174
MC-MW-31	Middle	03/29/11	SITEWIDE	26722161.64	824775.798	6.58	4.26	-125
MC-MW-32	Middle	04/27/11	SITEWIDE	26721325.2	826314.5	5.03	5.22	70
MC-MW-33	Middle	04/28/11	SITEWIDE	26721551.7	825490	5.11	3.94	-61
MC-MW-36	Middle	04/28/11	SITEWIDE	26722678.6	825497.5	7.20	3.70	-196
MC-MW-37	Middle	04/28/11	SITEWIDE	26722407.7	826148.5	6.33	4.15	89
MC-MW-38	Middle	04/29/11	SITEWIDE	26722040.7	826484.5	6.98	4.61	-91
MC-MW-39	Middle	04/29/11	SITEWIDE	26718516.45	826973.766	10.19	0.00	-219
MC-MW-41	Middle	05/02/11	SITEWIDE	26719059.2	826067.641	6.82	0.00	-186

TABLE 3

FIELD PARAMETER DATA, SECOND QUARTER 2011

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
MC-MW-42	Middle	05/02/11	SITEWIDE	26719290.51	826654.906	9.52	0.00	-166
TR-06	Middle	04/22/11	SITEWIDE	26717608	826594	7.01	9.13	137
DMC-MW-26	Deep	05/06/11	SITEWIDE	26717360.62	825692.034	6.93	13.13	156
DMC-MW-28	Deep	03/23/11	SITEWIDE	26719450.04	825775.483	8.94	0.00	-100
MW-08	Deep	03/23/11	SITEWIDE	26717925.04	825564.56	8.02	6.79	116
TR-01	Deep	05/05/11	SITEWIDE	26719958	826168	7.32	13.68	114
TR-03	Deep	05/05/11	SITEWIDE	26718942	826343	6.33	9.48	61
TR-05	Deep	04/19/11	SITEWIDE	26717592	826596	7.69	12.24	153
TR-07	Deep	04/19/11	SITEWIDE	26716525	826725	7.79	5.70	114
TR-09	Deep	05/02/11	SITEWIDE	26715753	827560	7.24	13.61	172
TR-11	Deep	03/22/11	SITEWIDE	26721918	825423	7.95	7.61	63
TR-12	Deep	03/22/11	SITEWIDE	26723271.92	825286.23	8.44	2.47	87

HARGIS + ASSOCIATES, INC.

TABLE 4
SHALLOW ZONE WATER QUALITY DATA - 2011 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminent Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
INDICATOR CHEMICAL	TOTAL DISSOLVED SOLIDS	mg/l	--	--	760	11,400	7,500	65,000	12,300	n/a	n/a	0	0	58	58	0
INORGANIC	FLUORIDE	mg/l	4.0	4.0	0.39	2.0	1.1	11	2.4	0.050	3.0	3	3	40	33	7
	MAGNESIUM	mg/L	--	207	0.21	398	275	1,800	404	n/a	n/a	0	22	40	40	0
	NITRATE (AS N)	mg/l	10	10	0.15	8.0	1.5	44	13	0.060	2.1	5	5	40	23	17
	PERCHLORATE	ug/L	--	18	0.35	33,800	295	430,000	94,100	0.082	130	0	24	40	31	9
METALS	ARSENIC	ug/L	10	10	0.26	175	120	1,700	216	n/a	n/a	67	67	71	71	0
	CHROMIUM	mg/L	0.100	0.100	0.00066	0.126	0.0042	1.7	0.38	0.00050	0.012	6	6	59	33	26
	LEAD	mg/L	0.015	0.015	0.000068	0.0015	0.00033	0.028	0.0047	0.000050	0.0045	1	1	59	35	24
	MERCURY	mg/l	0.002	0.002	0.000027	0.0011	0.0011	0.0022	0.0015	0.000027	0.00020	1	1	52	2	50
	URANIUM	mg/l	0.030	0.030	0.0013	0.071	0.025	0.59	0.13	0.000050	0.0050	17	17	41	35	6
ORGANIC ACID	4-CHLOROBENZENESULFONIC ACID	ug/L	--	36,500	15,000	30,500	30,500	46,000	21,900	50	50	0	1	3	2	1
	BENZENESULFONIC ACID	ug/L	--	18,300	17,000	22,000	22,000	27,000	7,070	50	50	0	1	3	2	1
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L	--	2,920	39,000	79,500	79,500	120,000	57,300	50	50	0	2	3	2	1
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L	--	3,650	10,000	10,000	10,000	10,000	n/a	250	250	0	1	3	1	2
PESTICIDE	4,4'-DDE	ug/L	--	0.198	0.41	0.410	0.41	0.41	n/a	0.0071	14	0	1	66	1	65
	4,4'-DDT	ug/L	--	0.198	0.050	0.290	0.051	0.77	0.42	0.0140	28	0	1	66	3	63
	ALPHA-BHC	ug/L	--	0.011	0.0033	36	1.7	930	133	0.0024	1.0	0	52	66	57	9
	BETA-BHC	ug/L	--	0.0374	0.0064	16	7.6	140	27	0.0038	1.7	0	41	66	46	20
	DIELDRIN	ug/L	--	0.0042	0.0084	0.044	0.049	0.075	0.034	0.0019	12	0	3	66	3	63
	GAMMA-BHC (LINDANE)	ug/L	0.200	0.200	0.039	13	0.69	180	40	0.013	1.3	14	14	66	24	42
VOC	1,1-DICHLOROETHANE	ug/L	--	12	0.490	26	10	260	47	0.40	400	0	18	73	38	35
	1,1-DICHLOROETHENE	ug/L	7.0	7.0	0.53	2.2	1.3	8.8	3.0	0.23	420	1	1	73	7	66
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	0.51	108	39	990	177	0.21	480	16	16	73	34	39
	1,2-DICHLOROBENZENE	ug/L	600	600	0.33	1,780	80	31,000	5,760	0.32	320	14	14	73	57	16
	1,2-DICHLOROETHANE	ug/L	5.0	5.0	0.30	6.4	3.8	25	7.6	0.28	280	9	9	73	24	49
	1,3-DICHLOROBENZENE	ug/L	--	109	0.41	225	10	3,200	622	0.13	350	0	5	73	36	37
	1,4-DICHLOROBENZENE	ug/L	75	75	0.51	2,170	125	36,000	6,470	0.37	370	29	29	73	56	17
	BENZENE	ug/L	5.0	5.0	0.28	33,300	910	680,000	118,000	0.16	2.8	39	39	73	50	23
	CARBON TETRACHLORIDE	ug/L	5.0	5.0	0.43	213	8.9	1,700	462	0.19	280	10	10	73	14	59
	CHLOROBENZENE	ug/L	100	100	0.37	13,600	1,350	130,000	26,000	0.36	3.6	39	39	73	56	17
	CHLOROFORM	ug/L	80	1.6	0.31	4,970	31	82,000	14,400	0.33	33	26	53	73	60	13
	DIBROMOCHLOROMETHANE	ug/L	80	0.697	29	29	29	29	0.000	0.17	400	0	1	73	1	72
	METHYLENE CHLORIDE	ug/L	5.0	5.0	0.99	1,060	380	5,500	1,640	0.32	380	9	9	73	11	62
	TETRACHLOROETHENE	ug/L	5.0	5.0	0.55	52	6.1	520	129	0.20	320	8	8	73	16	57
	TRICHLOROETHENE	ug/L	5.0	5.0	0.28	18	3.9	73	24	0.16	260	14	14	73	32	41

* Prevalence table do not include statistics from Tronox or AMPAC monitored wells

n/a = not applicable

HARGIS + ASSOCIATES, INC.

TABLE 5
MIDDLE ZONE WATER QUALITY DATA - 2011 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminent Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
INDICATOR CHEMICAL	TOTAL DISSOLVED SOLIDS	mg/l	--	--	510	7,490	1,150	42,000	12,700	n/a	n/a	0	0	28	28	0
INORGANIC	MAGNESIUM	mg/l	--	207	17	220	47	1,100	305	n/a	n/a	0	11	28	28	0
	NITRATE (AS N)	mg/l	10	10	0.085	3.3	0.990	26	6.2	0.042	0.60	1	1	28	17	11
	PERCHLORATE	ug/L	--	18	0.13	36,000	1.7	480,000	110,000	0.082	6.5	0	8	28	22	6
METAL	ARSENIC	ug/l	10	10	2.9	45	32	290	56	n/a	n/a	27	27	29	29	0
	CADMIUM	mg/L	0.005	0.005	0.000058	0.00080	0.000	0.007	0.0021	0.000040	0.00020	1	1	29	10	19
	CHROMIUM	mg/l	0.1	0.1	0.00091	0.14	0.007	2.1	0.46	0.00050	0.0025	2	2	29	23	6
	URANIUM	mg/l	0.03	0.03	0.0022	0.023	0.005	0.250	0.051	0.000050	0.0050	4	4	29	24	5
PESTICIDE	4,4'-DDD	ug/l	--	0.28	0.12	4.1	4.1	8.1	5.6	0.0073	0.730	0	1	29	2	27
	4,4'-DDE	ug/l	--	0.198	0.40	215	215	430	304	0.0071	0.710	0	2	29	2	27
	4,4'-DDT	ug/l	--	0.198	0.12	98	2.8	290	167	0.014	0.190	0	2	29	3	26
	ALPHA-BHC	ug/l	--	0.0107	0.0027	4.1	0.305	35	8.8	0.0024	0.0050	0	19	29	22	7
	BETA-BHC	ug/l	--	0.0374	0.0038	1.1	0.065	15	3.5	0.0038	4.1	0	12	29	18	11
	GAMMA-BHC (LINDANE)	ug/l	0.2	0.2	0.025	1.7	0.190	15	4.1	0.0066	3.3	5	5	29	13	16
VOC	1,1,2-TRICHLOROETHANE	ug/l	5	5	100	100	100	100	n/a	0.270	540	1	1	29	1	28
	1,1-DICHLOROETHANE	ug/l	--	11.8	2.2	147	41	1,100	358	0.220	440	0	5	29	9	20
	1,2-DICHLOROBENZENE	ug/l	600	600	0.41	1,650	17	15,000	3,810	0.320	150	5	5	29	21	8
	1,2-DICHLOROETHANE	ug/l	5	5	1.2	86	7.2	620	216	0.130	260	4	4	29	8	21
	1,3-DICHLOROBENZENE	ug/l	--	109	0.44	221	4.5	1,500	434	0.13	130	0	4	29	13	16
	1,4-DICHLOROBENZENE	ug/l	75	75	0.40	3,130	20	31,000	7,560	0.370	160	10	10	29	21	8
	BENZENE	ug/l	5	5	0.59	16,100	110	140,000	35,300	0.16	0.56	20	20	29	26	3
	CARBON TETRACHLORIDE	ug/l	5	5	0.47	354	81	1,100	481	0.19	380	5	5	29	7	22
	CHLOROBENZENE	ug/l	100	100	0.66	43,800	183	430,000	99,700	0.720	0.72	14	14	29	28	1
	CHLOROFORM	ug/l	80	1.62	1.1	10,300	61	63,000	22,000	0.33	160	11	23	29	24	5
	DIBROMOCHLOROMETHANE	ug/l	80	0.697	0.73	0.730	0.730	0.730	n/a	0.17	340	0	1	29	1	28
	METHYLENE CHLORIDE	ug/l	5	5	5.0	1,600	900	6,700	2,390	0.32	640	6	6	29	7	22
	TETRACHLOROETHENE	ug/l	5	5	0.45	11	8.8	27	12	0.200	400	2	2	29	4	25
	TRICHLOROETHENE	ug/l	5	5	0.27	7.8	3.2	30	13	0.16	320	2	2	29	5	24

* Prevalence table do not include statistics from Tronox or AMPAC monitored wells

n/a = not applicable

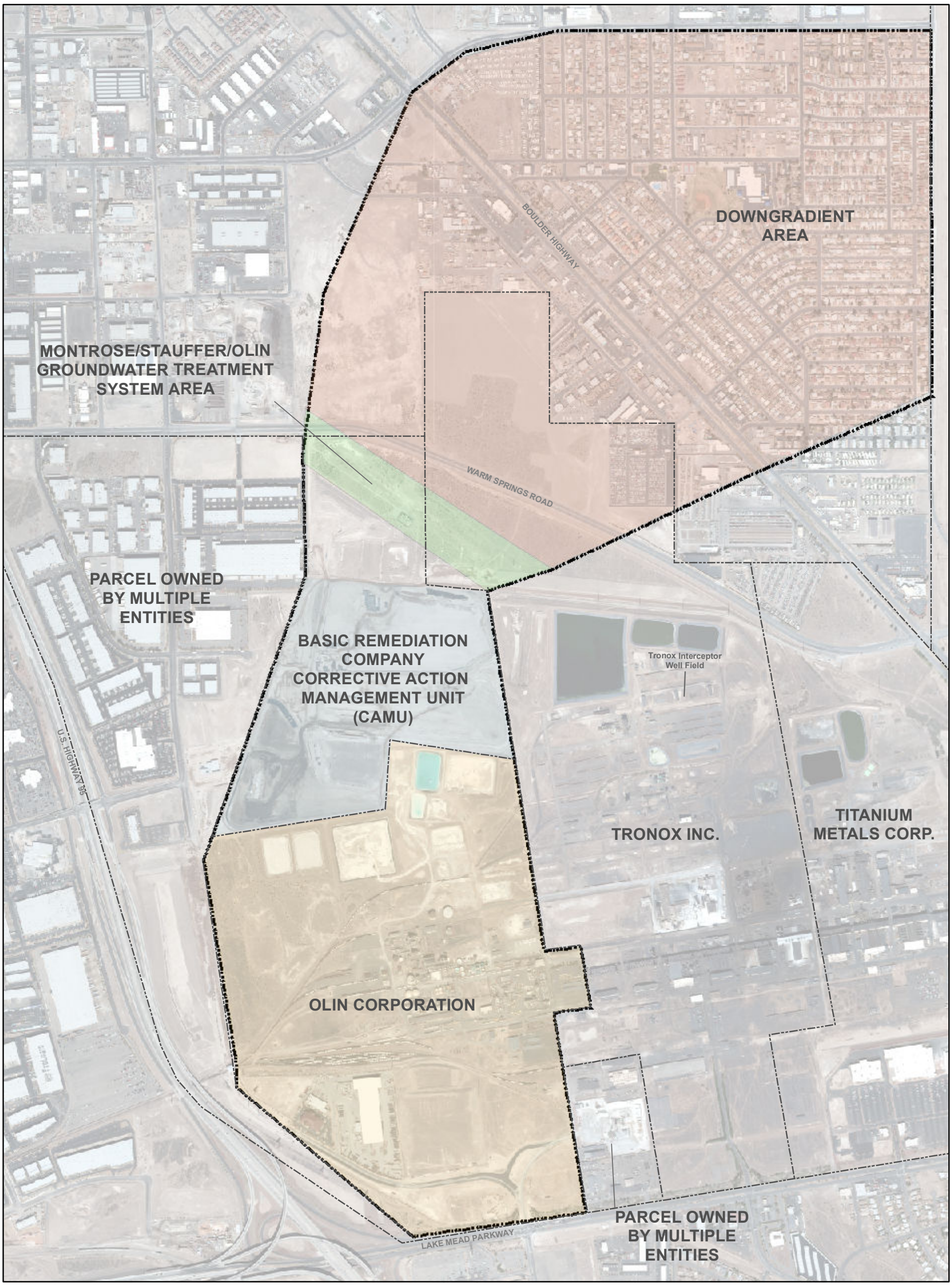
TABLE 6
DEEP ZONE WATER QUALITY DATA - 2011 COMPOUND PREVALANCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminent Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
INDICATOR CHEMICAL	TOTAL DISSOLVED SOLIDS	mg/l	--	--	500	704	715	810	97	n/a	n/a	0	0	8	8	0
METAL	ARSENIC	ug/l	10	10	14	51	40	200	54	n/a	n/a	10	10	10	10	0
	CHROMIUM	mg/l	0.1	0.1	0.0046	0.256	0.015	2.4	0.753	n/a	n/a	1	1	10	10	0
VOC	DIBROMOCHLOROMETHANE	ug/l	80	0.697	0.89	0.89	0.89	0.89	n/a	0.17	0.40	0	1	10	1	9

* Prevalence table do not include statistics from Tronox or AMPAC monitored wells

n/a = not applicable

FIGURES



EXPLANATION

Property Boundary

Study Area Boundary

N

0 500 1,000 Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

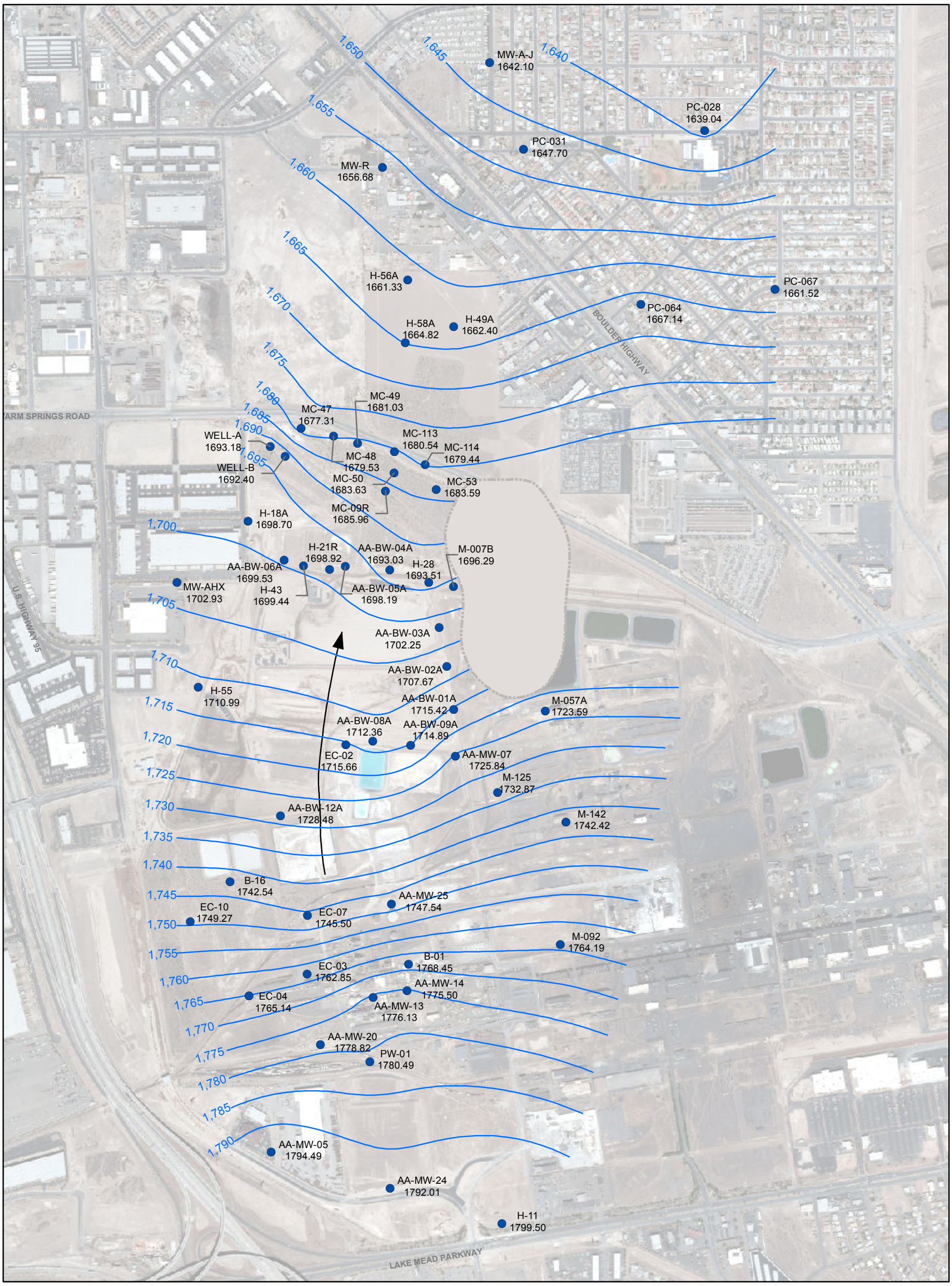
STUDY AREA

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

8/11/2011

FIGURE 1

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

AA-MW-05 1794.49 — Monitor Well Identifier; Groundwater Elevation -March/April 2011

1,745 — Approximate contour line of equal Water level elevation in feet Above mean sea level

Groundwater Flow Direction

Area of uncertain shallow zone saturation

N

0 500 1,000 Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

SHALLOW ZONE GROUNDWATER GRADIENT AND FLOW DIRECTION

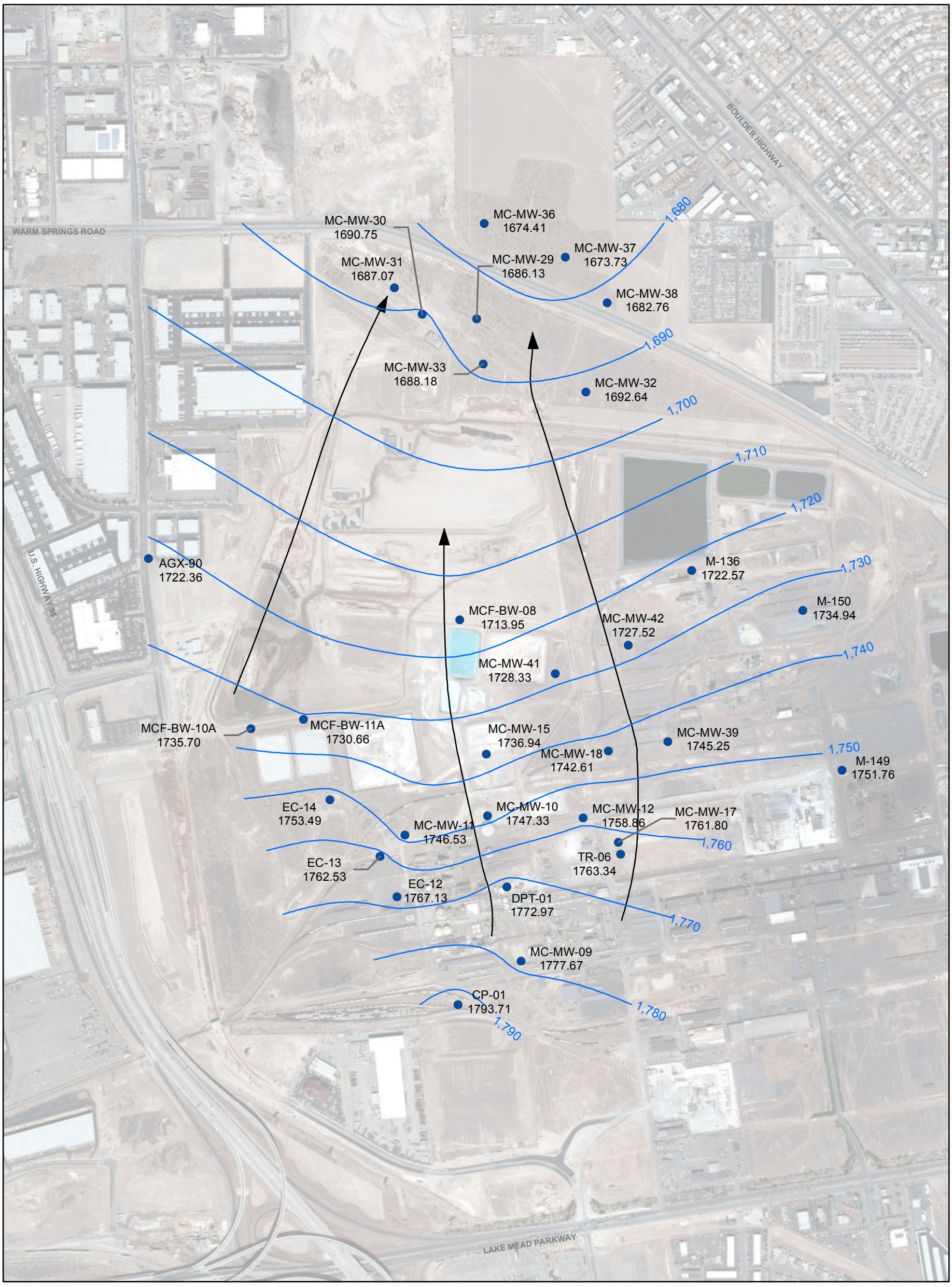
HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

DATE: 8/18/2011

FIGURE 2

PREP BY RGW REV BY BRW RPT NO 754.81

Name: SZ WLs_2011



EXPLANATION

MC-MW-09 1777.67 — Monitor Well Identifier
Groundwater Elevation - April 2011

1,790 — Approximate contour line of equal Water level elevation in feet Above mean sea level

Groundwater Flow Direction

N

0 400 800 Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

MIDDLE ZONE GROUNDWATER GRADIENT AND FLOW DIRECTION

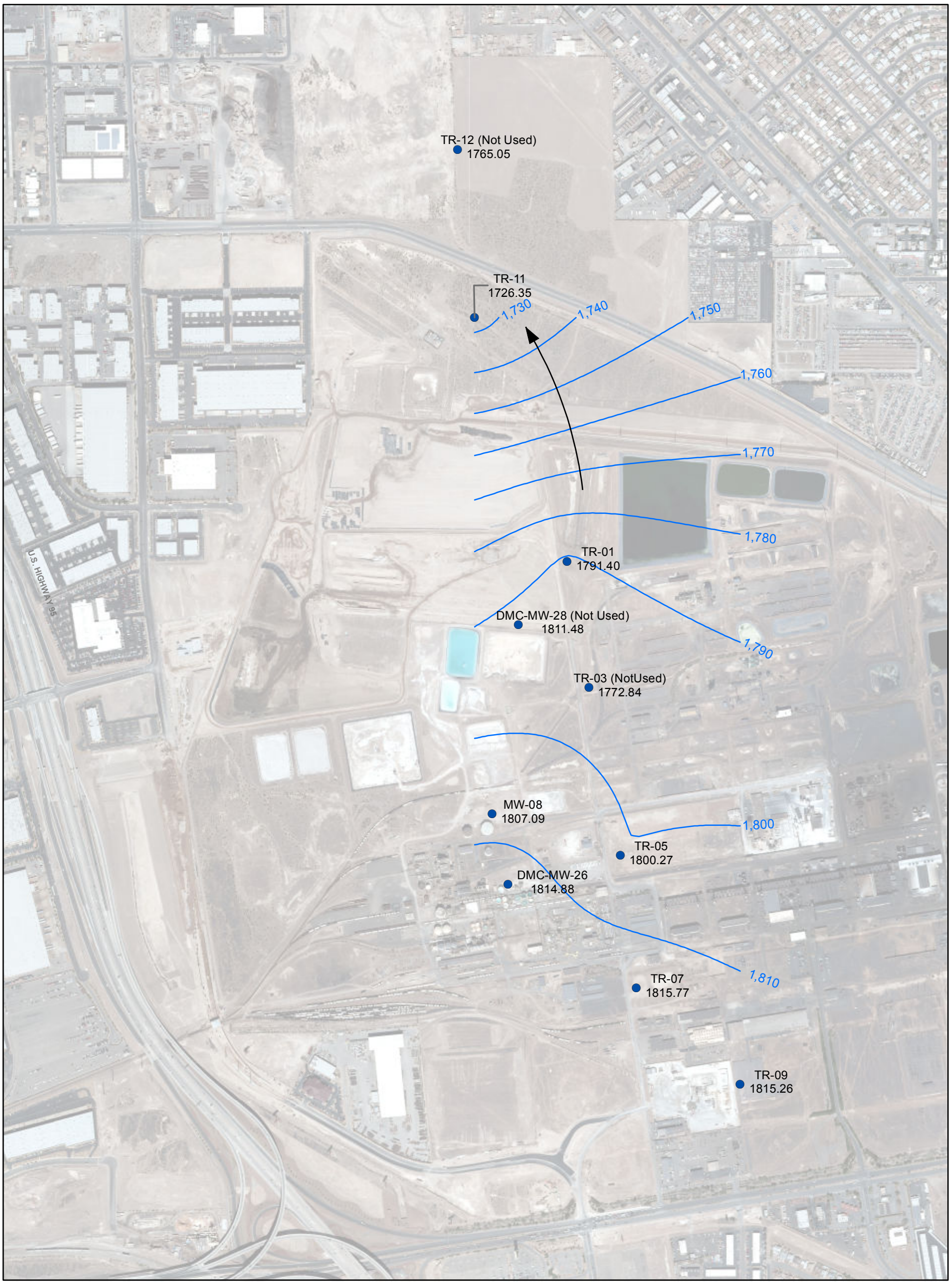
HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

DATE: 8/9/2011

FIGURE 3

PREP BY RGW REV BY BRW RPT NO 754.81

Name: MZ WLs_2011



EXPLANATION

TR-09 1854.29 — Monitor Well Identifier; Groundwater Elevation - April 2011

1,810 — Approximate contour line of equal Water level elevation in feet Above mean sea level

Groundwater Flow Direction

N

0 400 800 Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

DEEP ZONE GROUNDWATER GRADIENT AND FLOW DIRECTION

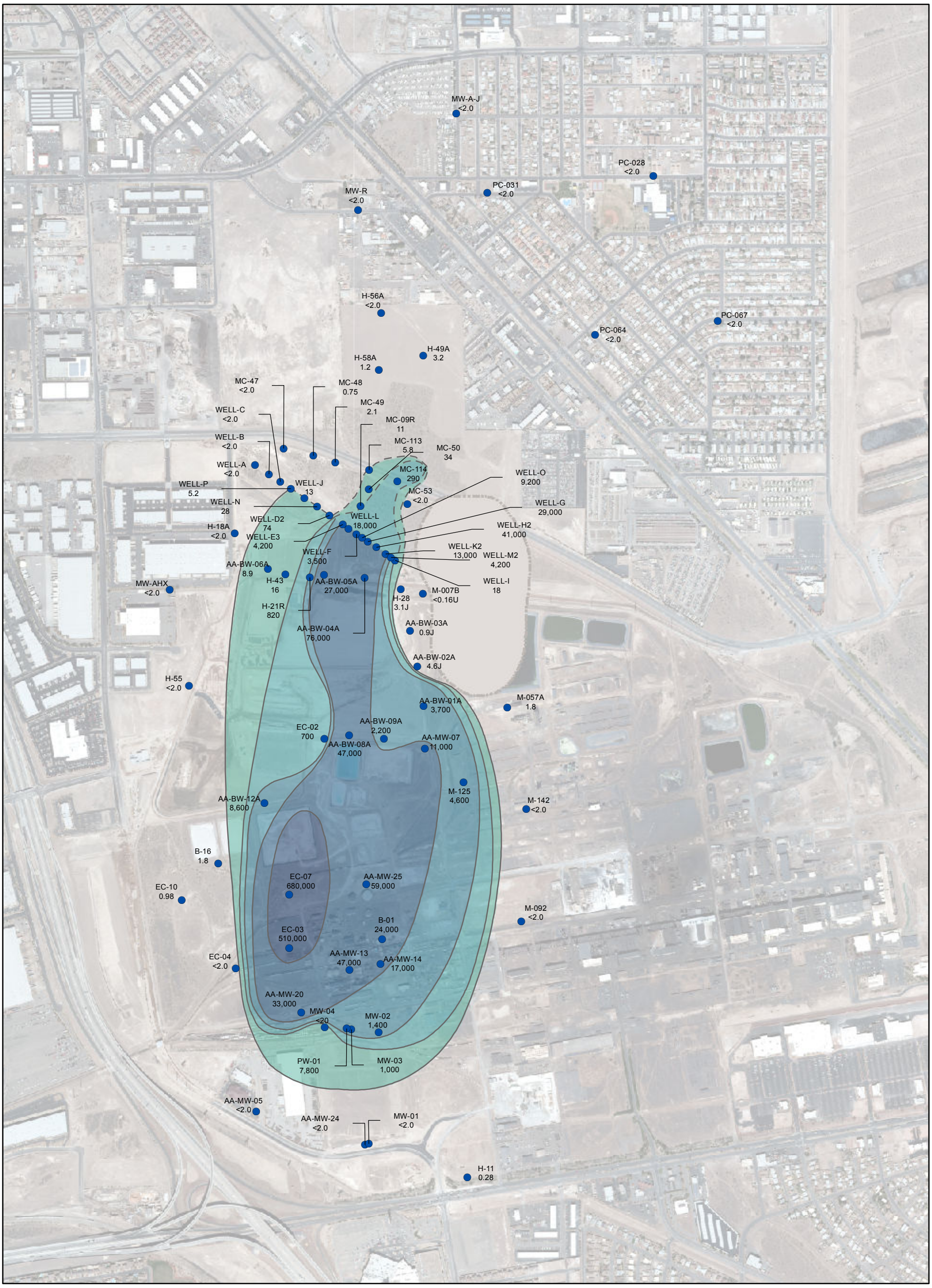
HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

DATE: 8/9/2011

FIGURE 4

PREP BY RGW REV BY BRW RPT NO 754.81

Name: DZ WLs_2011



Name: Benzene-Shallow

2009 AERIAL PHOTO

EXPLANATION

BENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 5 (BCL, MCL) - 99
- 100 - 999
- 1,000 - 9,999
- 10,000 - 99,999
- 100,000 - 999,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 0.28	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
J+	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

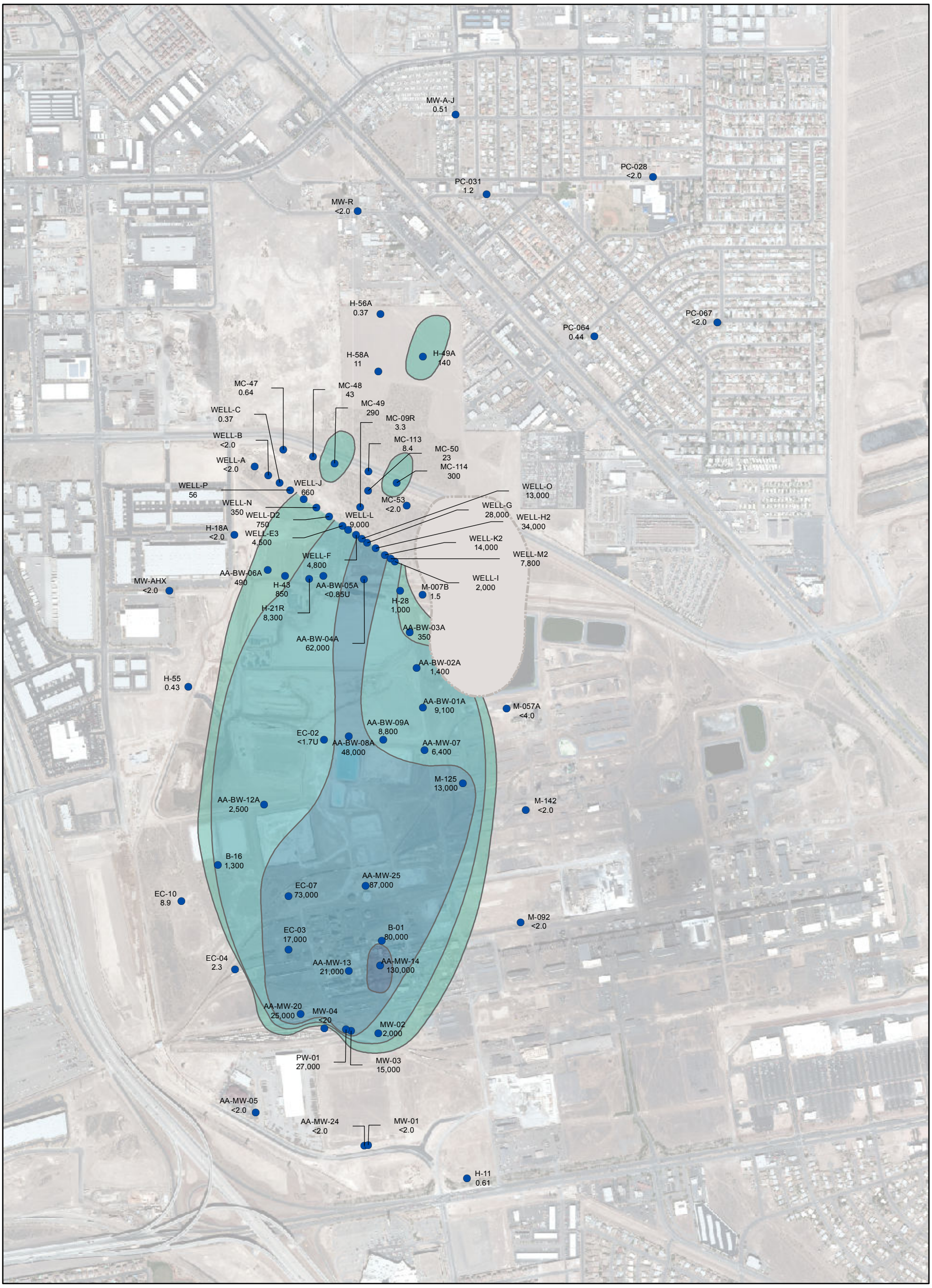
BENZENE
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 5

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

CHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 100 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999
- 100,000 - 999,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
0.61 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

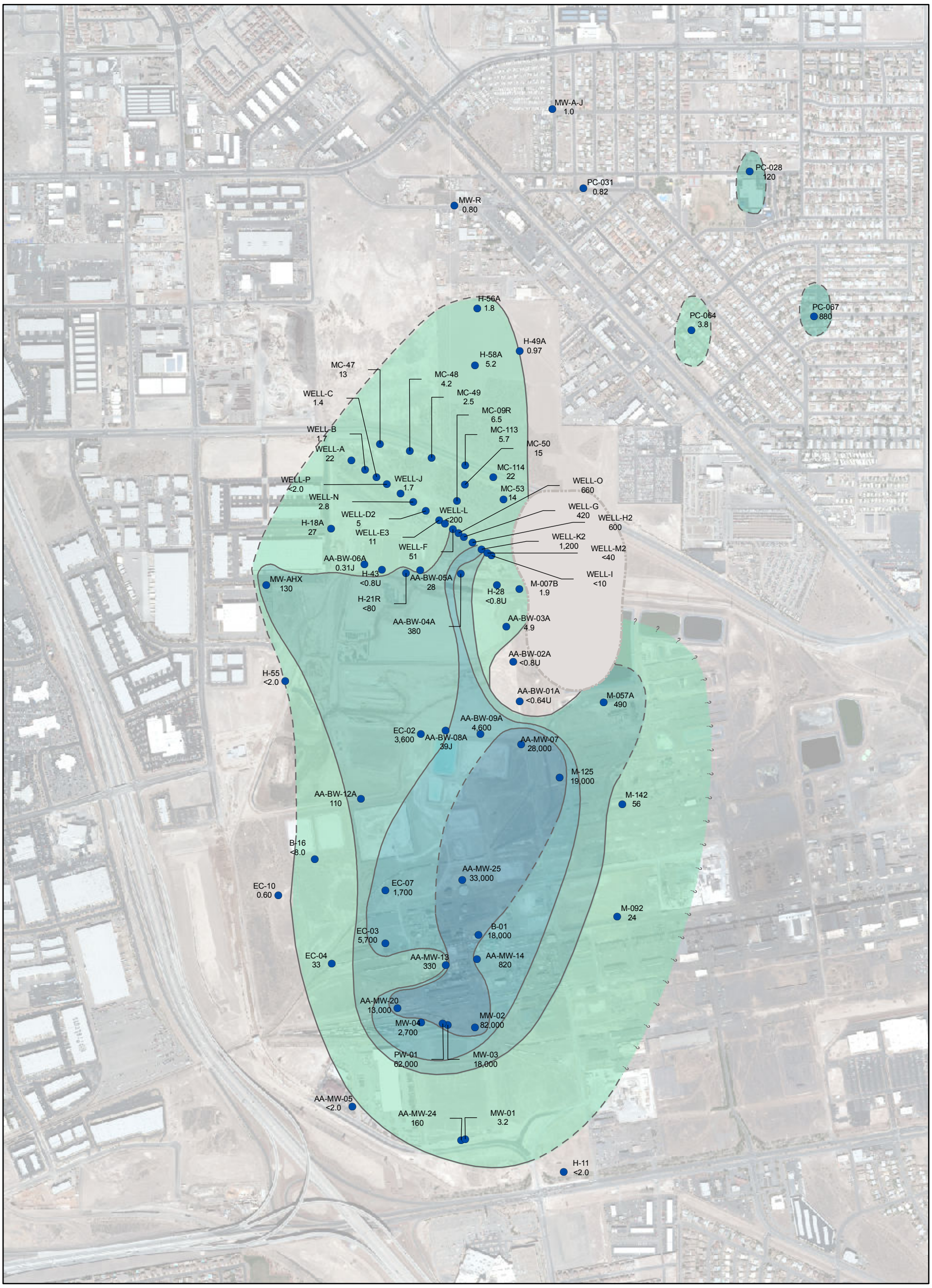
CHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 6

PREP BY DAT REV BY BRW RPT NO 754.81



Name: Chloroform-Alluvial

EXPLANATION

CHLOROFORM CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 1.62 (BCL) - 79
- 80 (TTHM MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain.

H-11 MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/l MICROGRAMS PER LITER

NT SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER

TTHM TOTAL TRIHALOMETHANES (BROMODICHLOROMETHANE + BROMOFORM + CHLOROFORM + DIBROMOCHLOROMETHANE)

J- THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the POSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

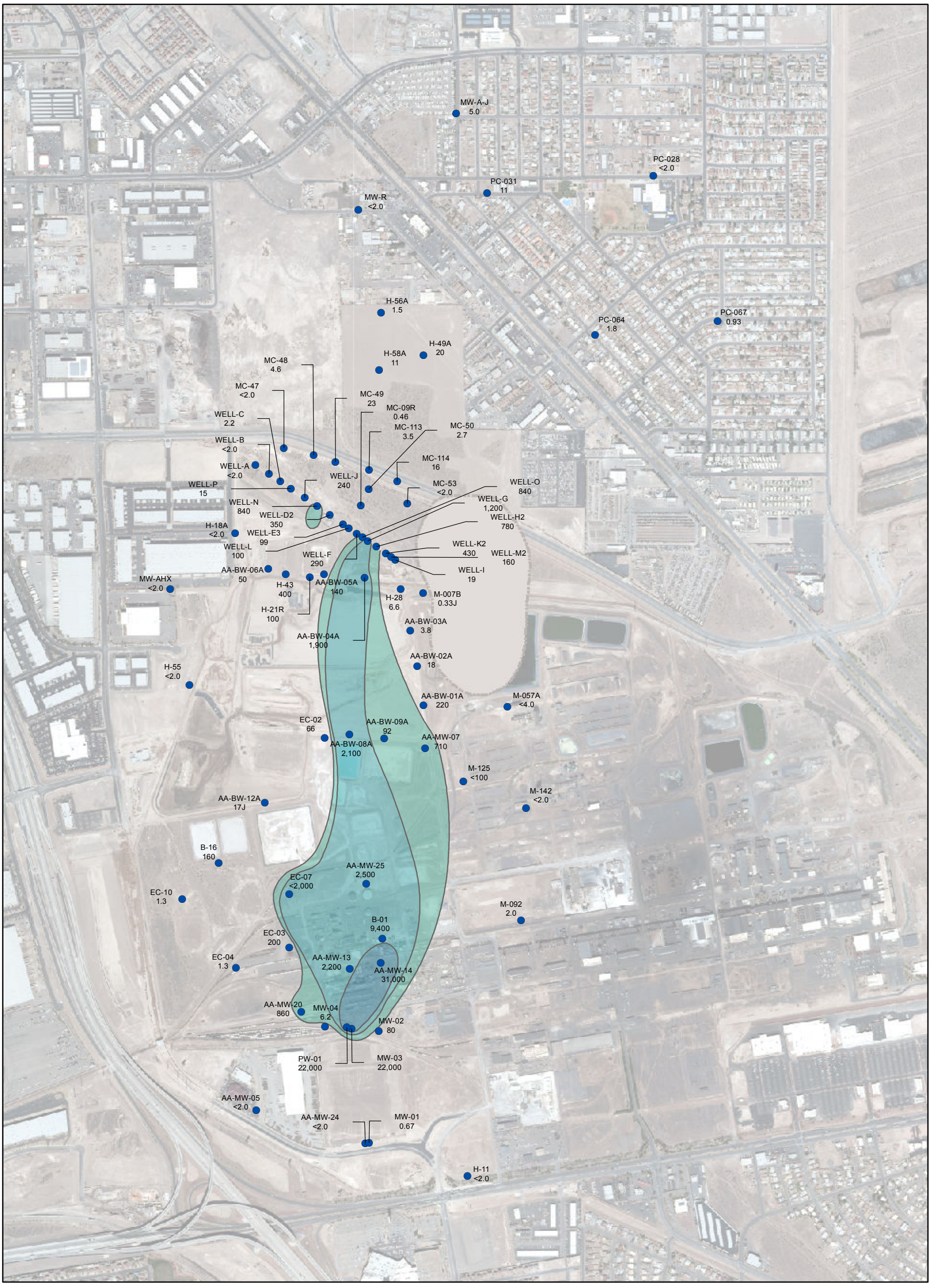
CHLOROFORM
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 7

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 600 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11	MONITOR WELL IDENTIFIER
<2.0	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
J+	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

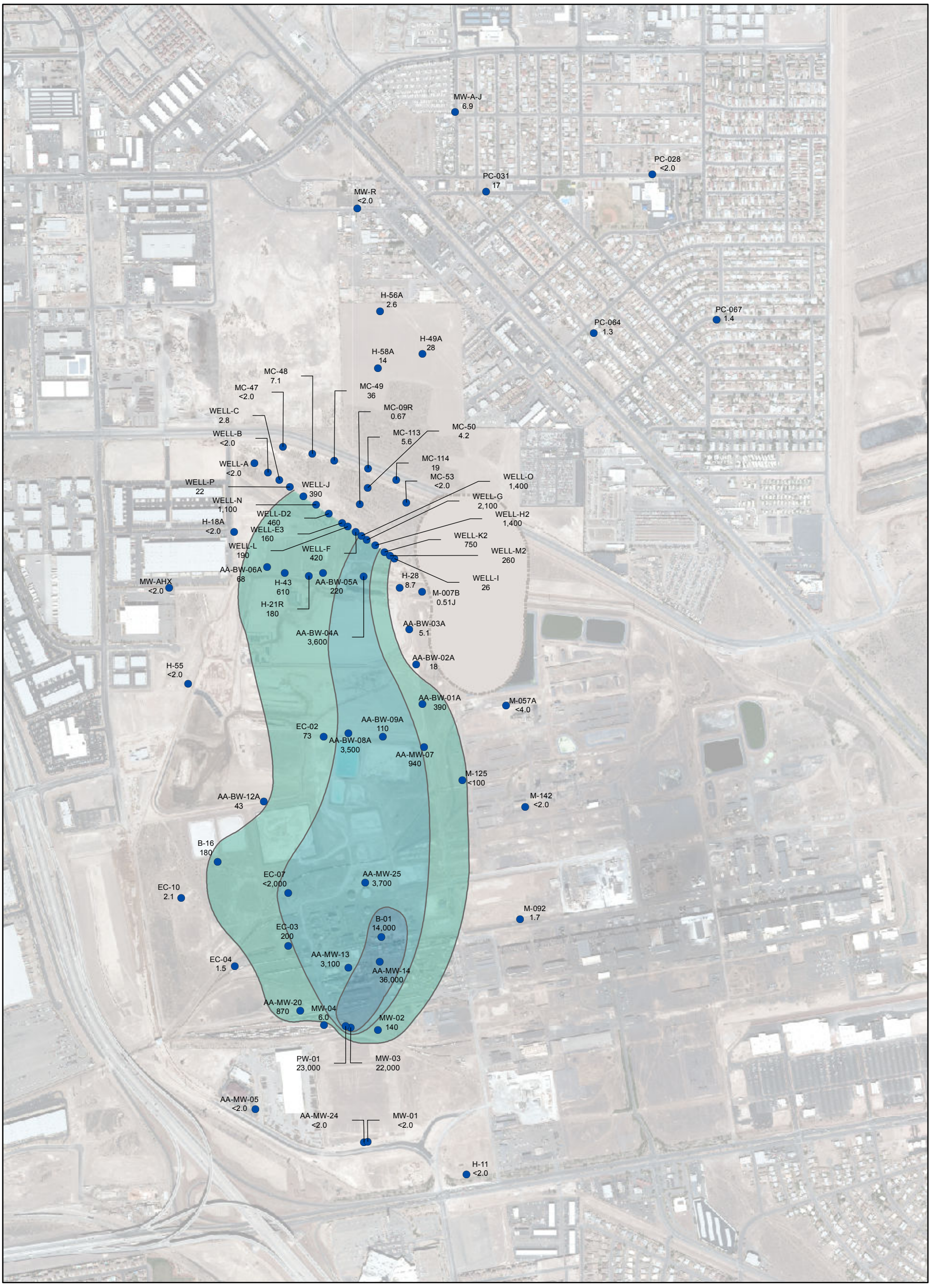
1,2-DICHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 8

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 75 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <2.0	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
J+	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

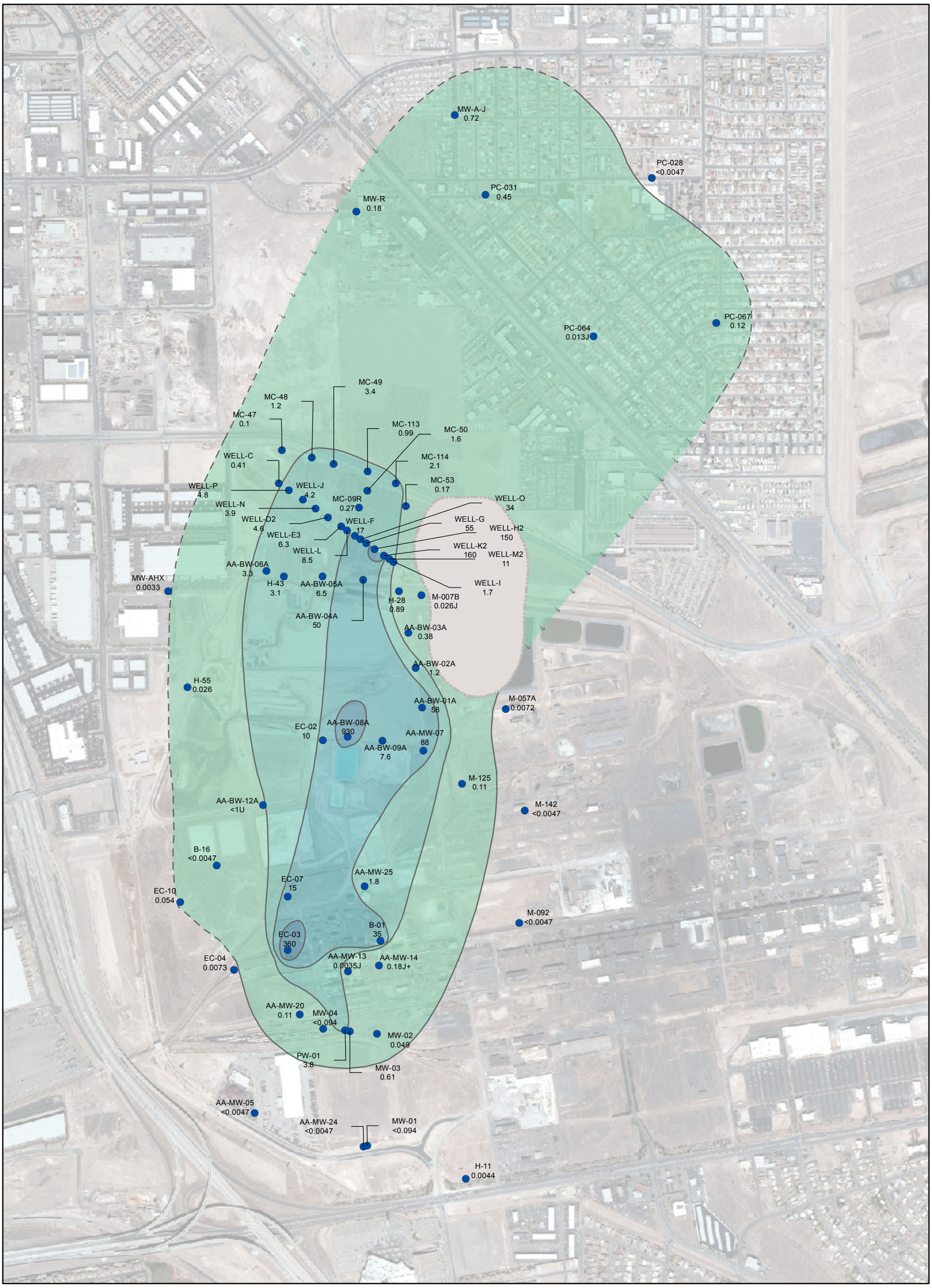
1,4-DICHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 9

PREP BY DAT REV BY BRW RPT NO 754.81



Name: ABHC-Shallow

2009 AERIAL PHOTO

EXPLANATION

ALPHA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 0.0107 (BCL) - 0.9
- 1 - 9
- 10 - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 / **0.0044** — MONITOR WELL IDENTIFIER / CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

< — LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/L — MICROGRAMS PER LITER

J — THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.
There is no EPA guidance level defined for alpha BHC.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

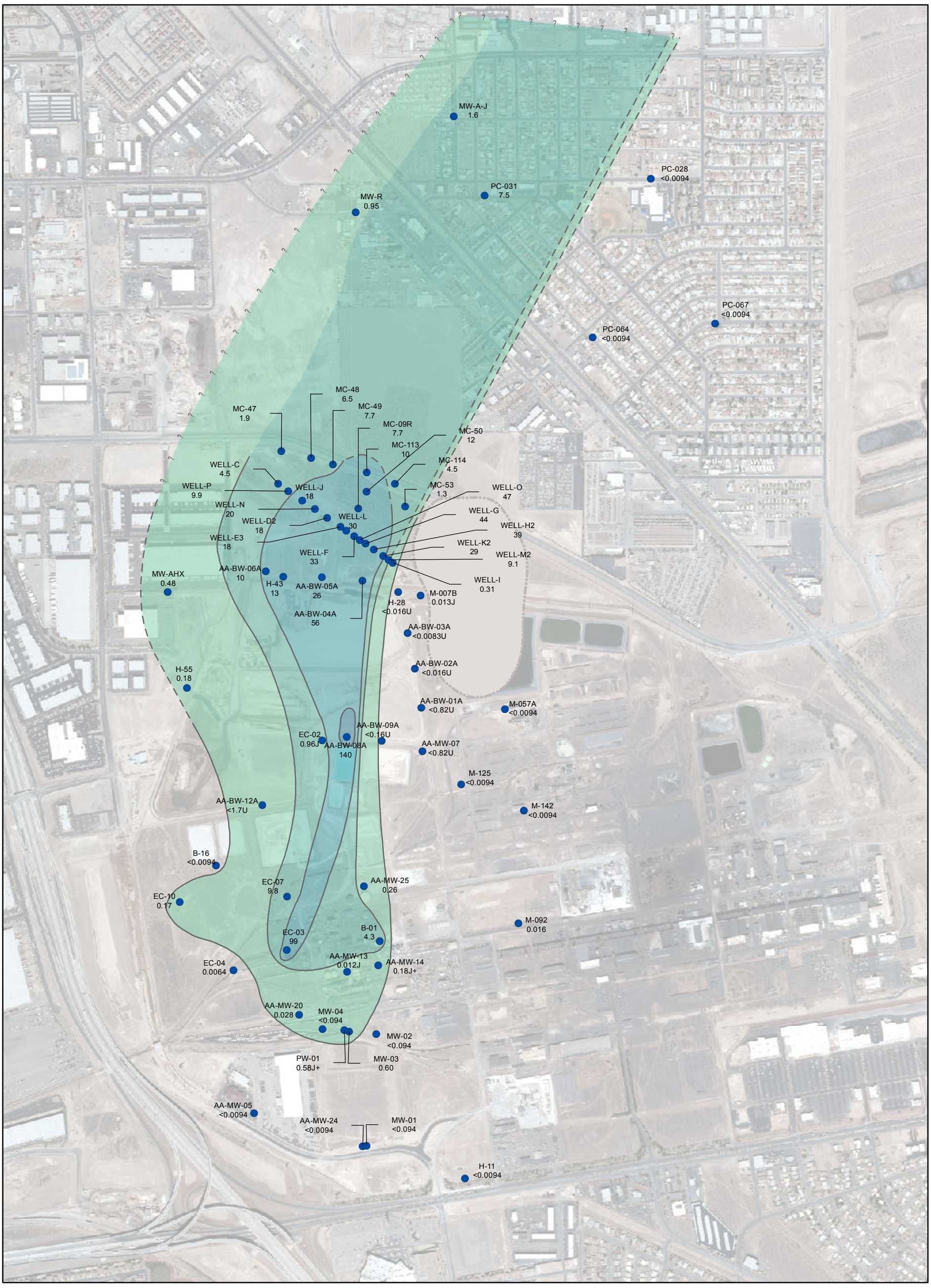
ALPHA-BHC
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 10

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

BETA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 0.0374 (BCL) - 0.9
- 1 - 9
- 10 - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
<0.0094 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
ug/L MICROGRAMS PER LITER
AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.
There is no EPA guidance level defined for beta BHC.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

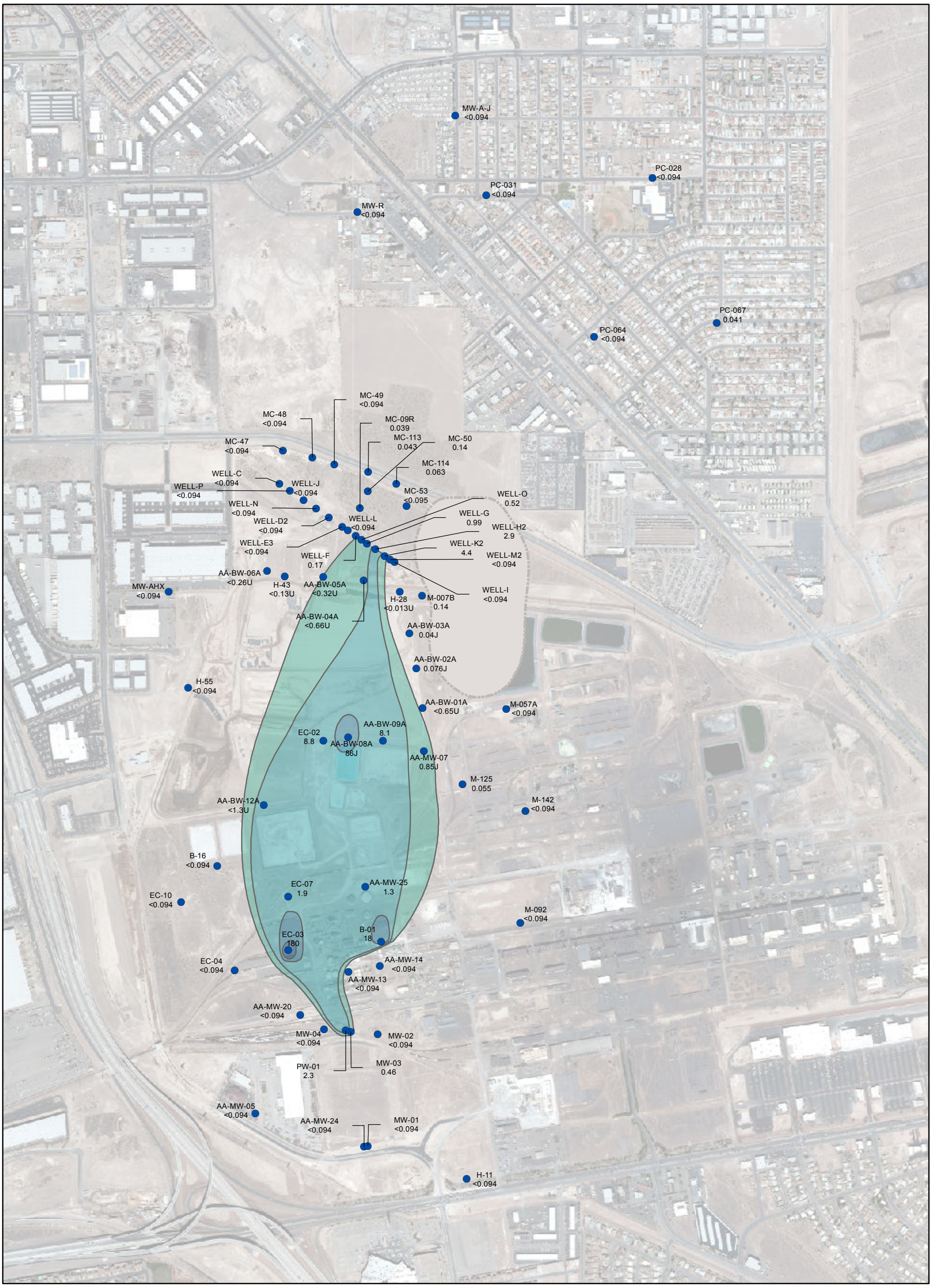
BETA-BHC
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 11

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

GAMMA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 0.2 (BCL, MCL) - 0.9
- 1 - 9
- 10 - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <0.094 — MONITOR WELL IDENTIFIER; CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

< — LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/L — MICROGRAMS PER LITER

J+ — THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

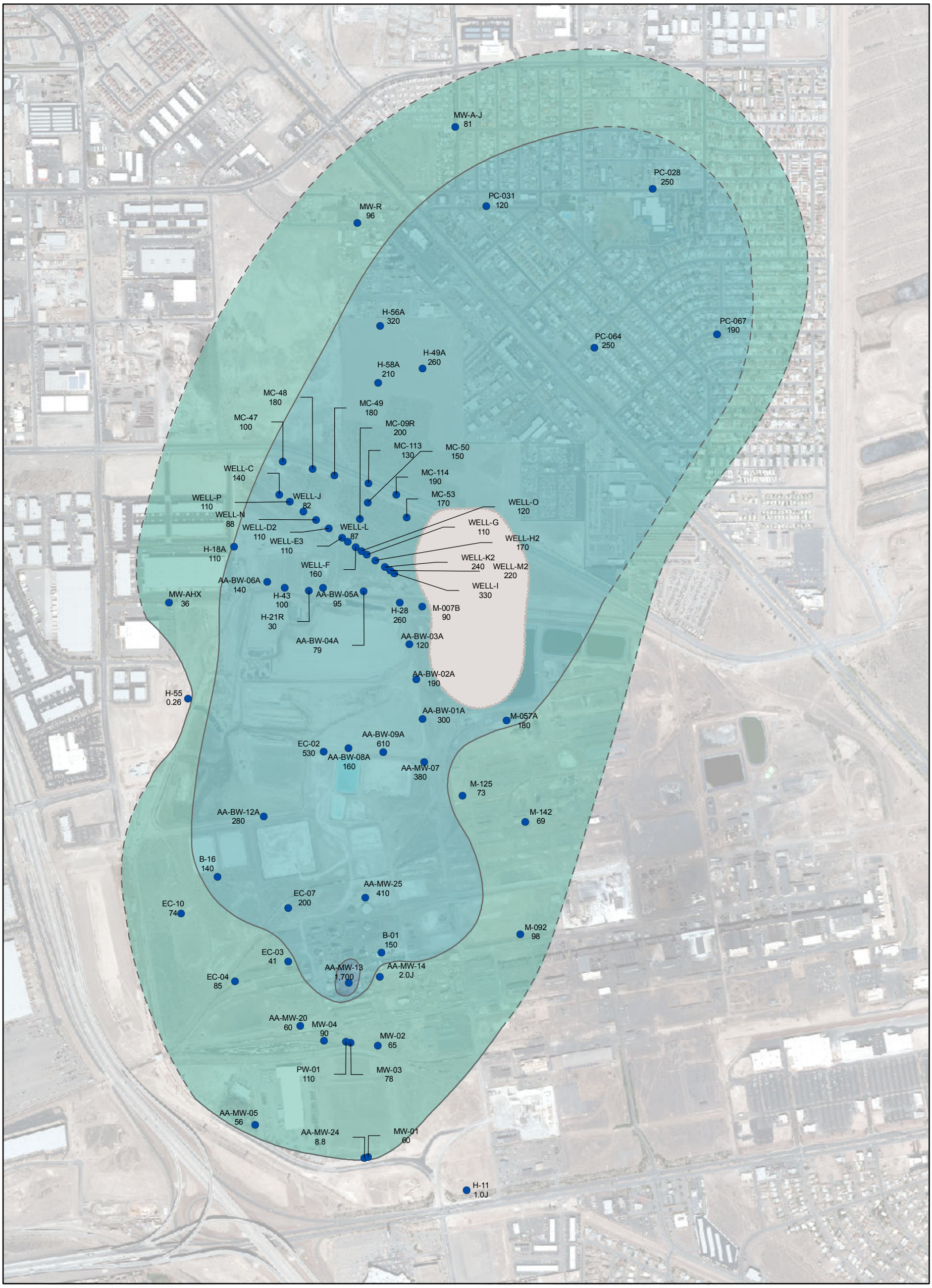
GAMMA-BHC
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 12

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

ARSENIC CONCENTRATION (ug/l)
EPA METHOD: 6020

- 10 (BCL, MCL) - 99
- 100 - 999
- 1,000 - 9,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 1.0J	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J+	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

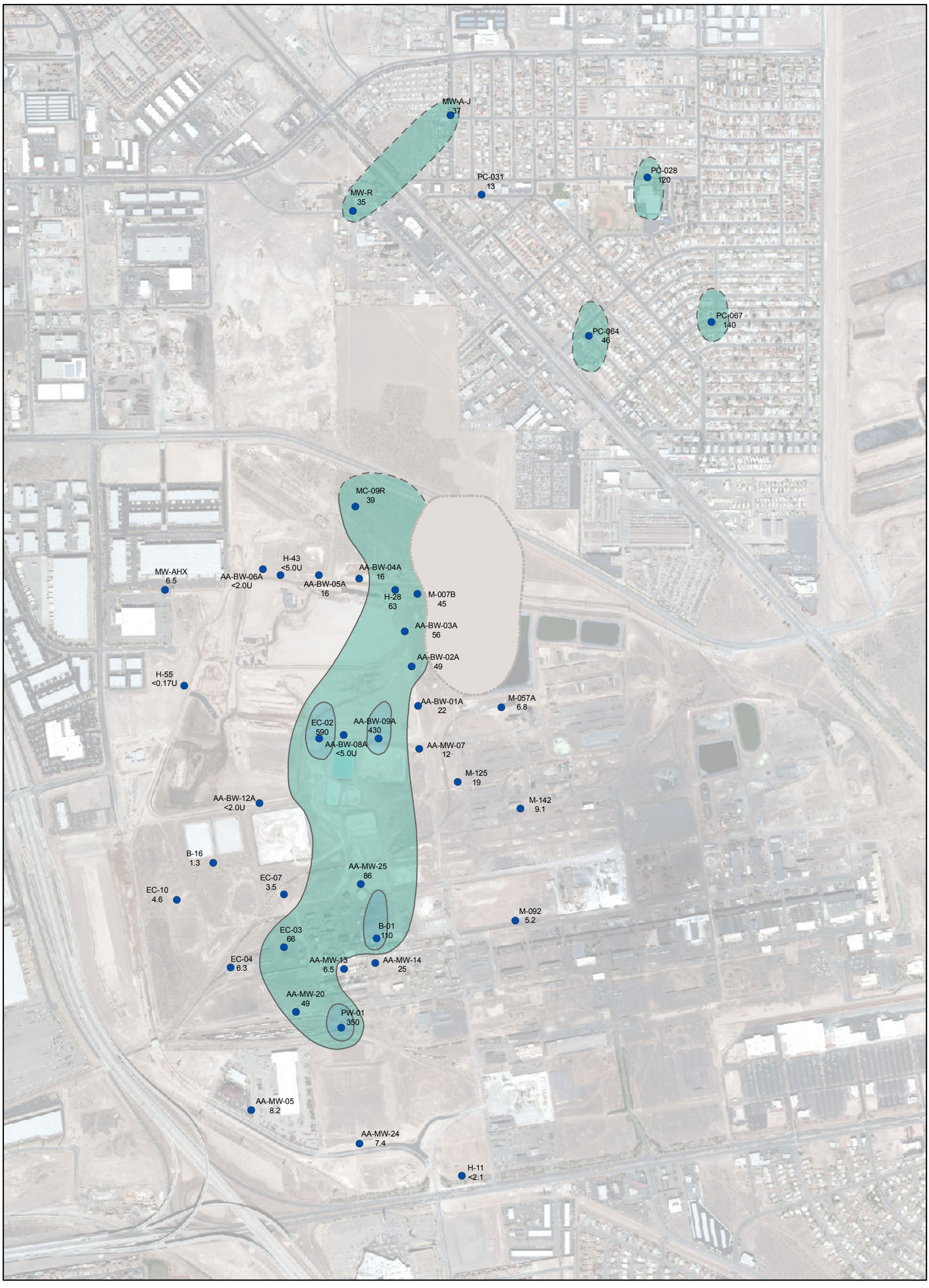
ARSENIC
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 13

PREP BY DAT REV BY BRW RPT NO 754.81



Name: Uranium-Shallow

EXPLANATION

URANIUM CONCENTRATION (ug/l)
EPA METHOD: 6020

30 (BCL, MCL) - 99

100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
<2.1 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/l MICROGRAMS PER LITER

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

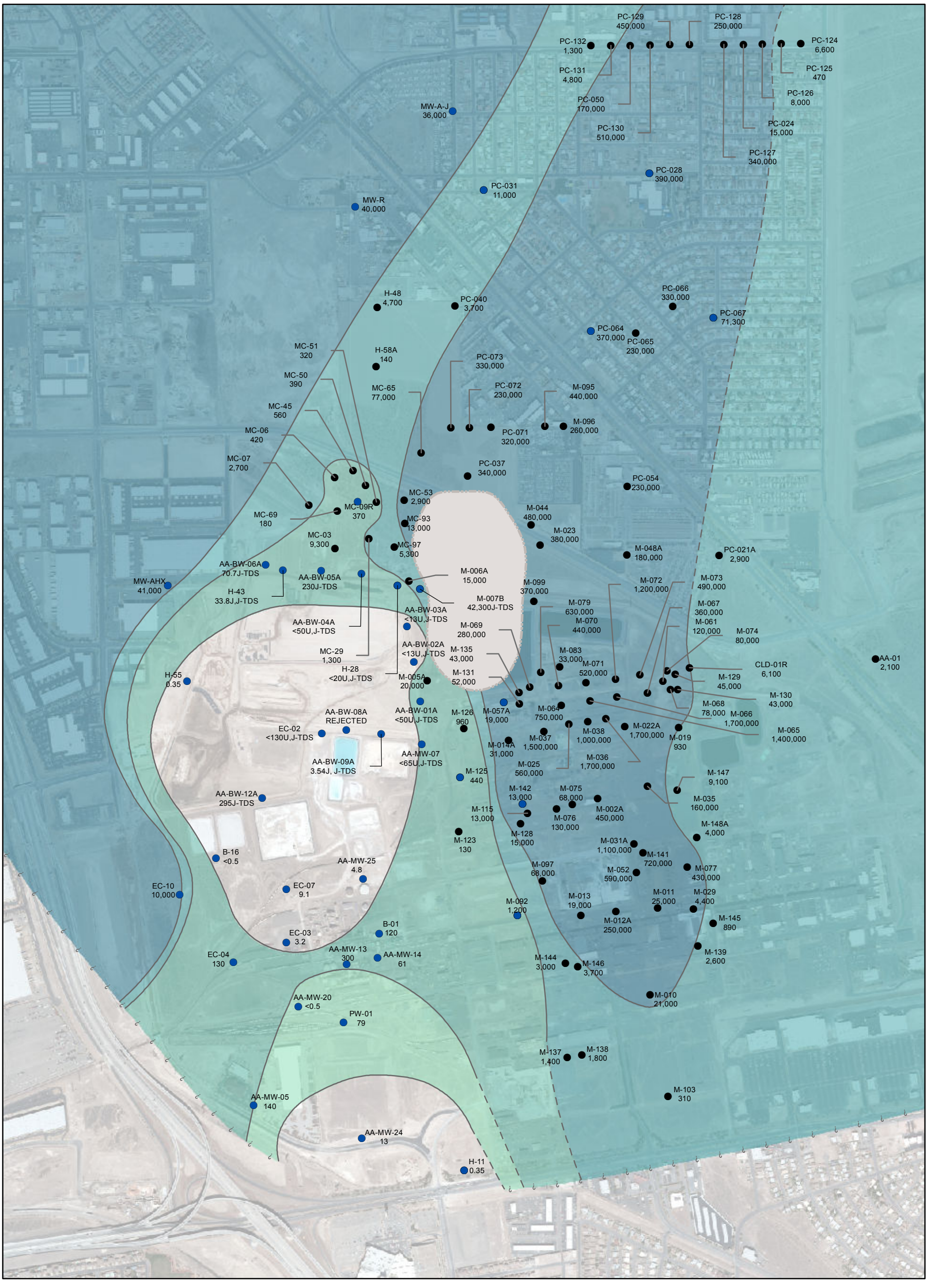
URANIUM
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 14

PREP BY DAT REV BY BRW RPT NO 754.81



Name: Perc-Shallow WBZ

EXPLANATION

PERCHLORATE CONCENTRATION (ug/l)
EPA METHOD: 6850

- 18 (BCL) - 99
- 100 - 999
- 1,000 - 9,999
- >10,000

Boundary of concentration zone is dashed where inferred, queried where uncertain.

● **H-11** MONITOR WELL IDENTIFIER
0.35 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011

● TRONOX DATA SAMPLED SECOND QUARTER 2011

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/L MICROGRAMS PER LITER

REJECTED INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS UNRELIABLE BASED ON FAILURE OF CATION-ANION BALANCE AND TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

J-TDS INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESTIMATED BASED ON TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the Tronox and the OSSM companies in 2011.

N

0 500 1,000
Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

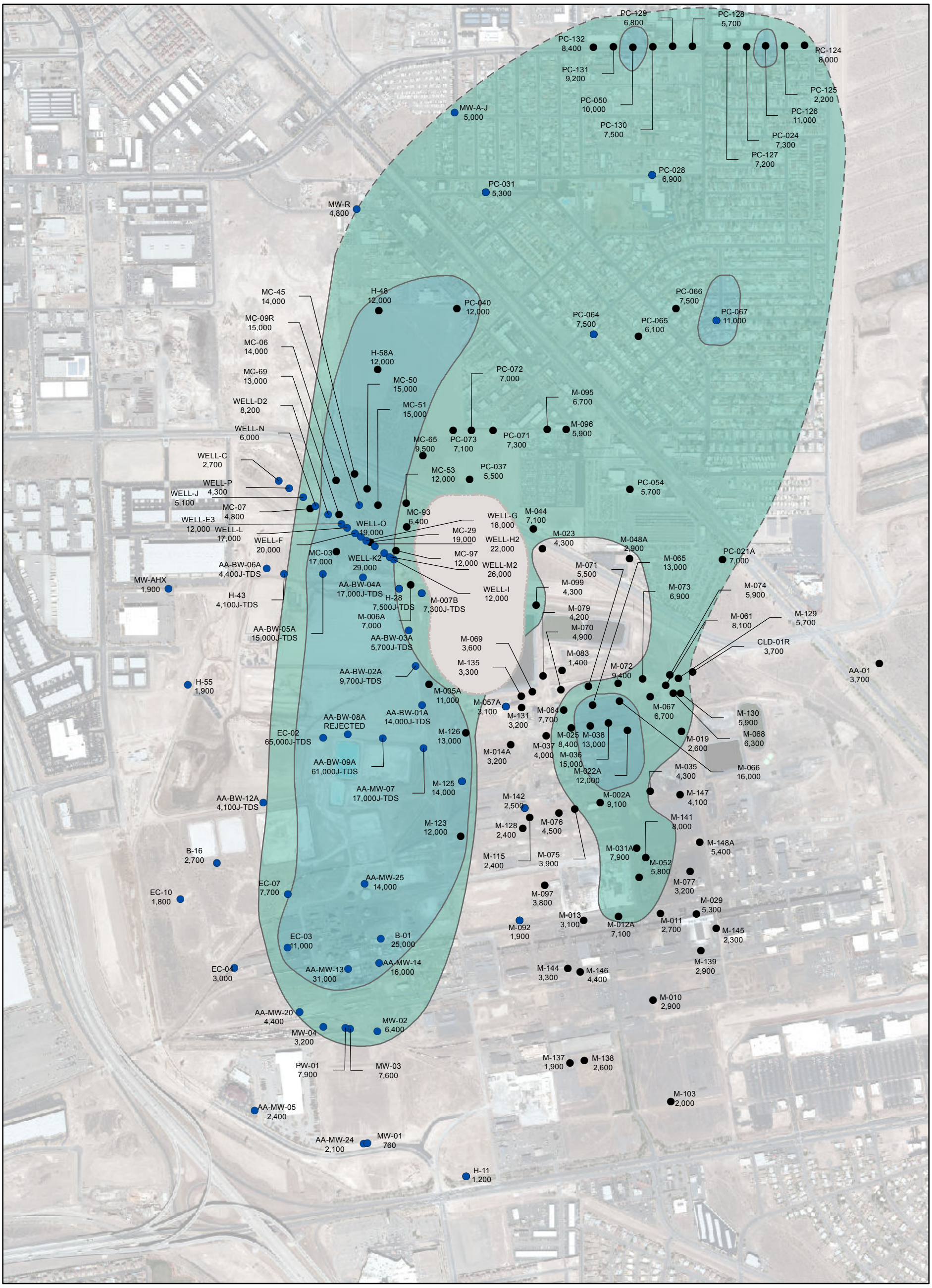
PERCHLORATE
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 15

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION (mg/l)
STANDARD METHOD: 2540C

- 5,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

- **H-11 1200** MONITOR WELL IDENTIFIER CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2011
- TRONOX DATA SAMPLED SECOND QUARTER 2011

mg/L — MILLIGRAMS PER LITER

REJECTED — INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS UNRELIABLE BASED ON FAILURE OF CATION-ANION BALANCE AND TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

J-TDS — INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESTIMATED BASED ON TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the Tronox and the OSSM companies in 2011.
There are no EPA or NDEP guidance levels defined for TDS

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TOTAL DISSOLVED SOLIDS
SHALLOW ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 16

PREP BY DAT REV BY BRW RPT NO 754.81

Name: Benzene-Middle

2009 AERIAL PHOTO

EXPLANATION

BENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **<2.0**	MONITOR WELL CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY WITH A NEGATIVE BIAS.
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 5 ug/l
BCL	= 5 ug/l

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

BENZENE
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 17

PREP BY DAT REV BY BRW RPT NO 754.81

Name: CBz-Middle

EXPLANATION

CHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

CP-01 1.2	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
ug/l	MICROGRAMS PER LITER
MCL	= 100 ug/l
BCL	= 100 ug/l

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

CHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 18

PREP BY DAT REV BY BRW RPT NO 754.81

Name: Chloroform-Middle

2009 AERIAL PHOTO

EXPLANATION

CHLOROFORM CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **5.0**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 80 TTHM ug/l
BCL	= 1.62 ug/l
TTHM	TOTAL TRIHALOMETHANES (BROMODICHLOROMETHANE + BROMOFORM + CHLOROFORM + DIBROMOCHLOROMETHANE)

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

CHLOROFORM
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 19

PREP BY DAT REV BY BRW RPT NO 754.81

Name: 12DCB-Middle

EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

CP-01	MONITOR WELL IDENTIFIER
17	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 600 ug/l
BCL	= 600 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,2-DICHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 20

PREP BY DAT REV BY BRW RPT NO 754.81

Name: 14DCB-Middle

2009 AERIAL PHOTO

EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **6.3**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
MCL	= 75 ug/l
BCL	= 75 ug/l
ug/l	MICROGRAMS PER LITER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,4-DICHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 21

PREP BY DAT REV BY BRW RPT NO 754.81

Name: ABHC-Middle

EXPLANATION

ALPHA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

● **CP-01** **0.083**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
ug/l	MICROGRAMS PER LITER
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
MCL	= None established
BCL	= 0.0107 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.

Note:
These results may not be representative of the groundwater in this area. While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

N

0 400 800
Feet

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ALPHA-BHC
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

8/18/2011

FIGURE 22

PREP BY DAT REV BY BRW RPT NO 754.81

Name: BBHC-Middle

2009 AERIAL PHOTO

EXPLANATION

BETA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

CP-01	MONITOR WELL IDENTIFIER
0.056	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= None established
BCL	= 0.0374 ug/l

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

BETA-BHC
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 23

PREP BY DAT REV BY BRW RPT NO 754.81

Name: GBHC-Middle

EXPLANATION

GAMMA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

CP-01	MONITOR WELL IDENTIFIER
0.029	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 0.2 ug/l
BCL	= 0.2 ug/l
J+	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY WITH A POSITIVE BIAS.

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

GAMMA-BHC
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 24

PREP BY DAT REV BY BRW RPT NO 754.81

Name: AS-Middle

2009 AERIAL PHOTO

EXPLANATION

ARSENIC CONCENTRATION (ug/l)
EPA METHOD: 6020

CP-01 55	MONITOR WELL IDENTIFIER CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2011
NT	SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 10 ug/l
BCL	= 10 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J+	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ARSENIC
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 25

PREP BY DAT REV BY BRW RPT NO 754.81

Name: Uranium-Middle

EXPLANATION

URANIUM CONCENTRATION (ug/l)
EPA METHOD: 6020

● **CP-01**	MONITOR WELL IDENTIFIER
2.2	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2010
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 30 ug/l
BCL	= 30 ug/l

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

URANIUM
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 26

PREP BY DAT REV BY BRW RPT NO 754.81

Name: Perc-Middle WBZ

EXPLANATION

PERCHLORATE CONCENTRATION (ug/l)
EPA METHOD: 6850

● CP-01 2.6	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2011	J-TDS	INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESITMATED BASED ON TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.
●	TRONOX DATA SAMPLED SECOND QUARTER 2011		
ug/L	MICROGRAMS PER LITER		
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT		
MCL BCL	NOT ESTABLISHED = 18 ug/l	REJECTED	INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS UNRELIABLE BASED ON FAILURE OF CATION-ANION BALANCE AND TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the Tronox and the OSSM companies in 2010.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

PERCHLORATE
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 27

PREP BY DAT REV BY BRW RPT NO 754.81

Name: TDS-Middle

EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION (mg/l)
STANDARD METHOD: 2540C

CP-01 780 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MILLIGRAMS PER LITER
SECOND QUARTER 2011

TRONOX DATA SAMPLED
SECOND QUARTER 2011

mg/l — MILLIGRAMS PER LITER

REJECTED — INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS UNRELIABLE BASED ON FAILURE OF CATION-ANION BALANCE AND TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

J-TDS — INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESTIMATED BASED ON TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

MCL — NOT ESTABLISHED
BCL — NOT ESTABLISHED

N

0 400 800
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the Tronox and the OSSM companies in 2011.

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

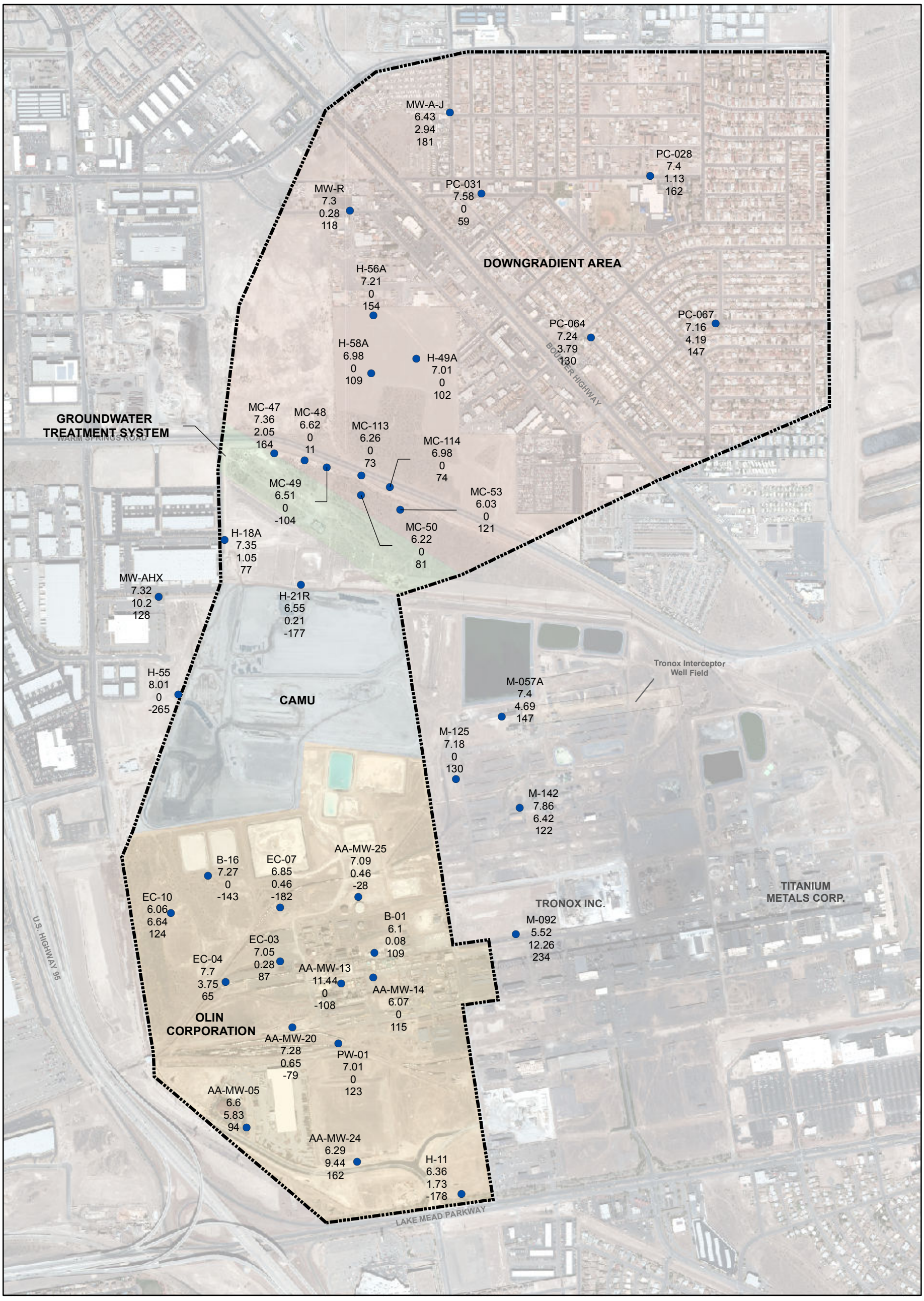
TOTAL DISSOLVED SOLIDS
MIDDLE ZONE
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/11/2011

FIGURE 28

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

AA-MW-05 Shallow Zone Location
6.6 pH
5.83 D.O. (mg/L)
94 ORP (mV)

Study Area Boundary

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

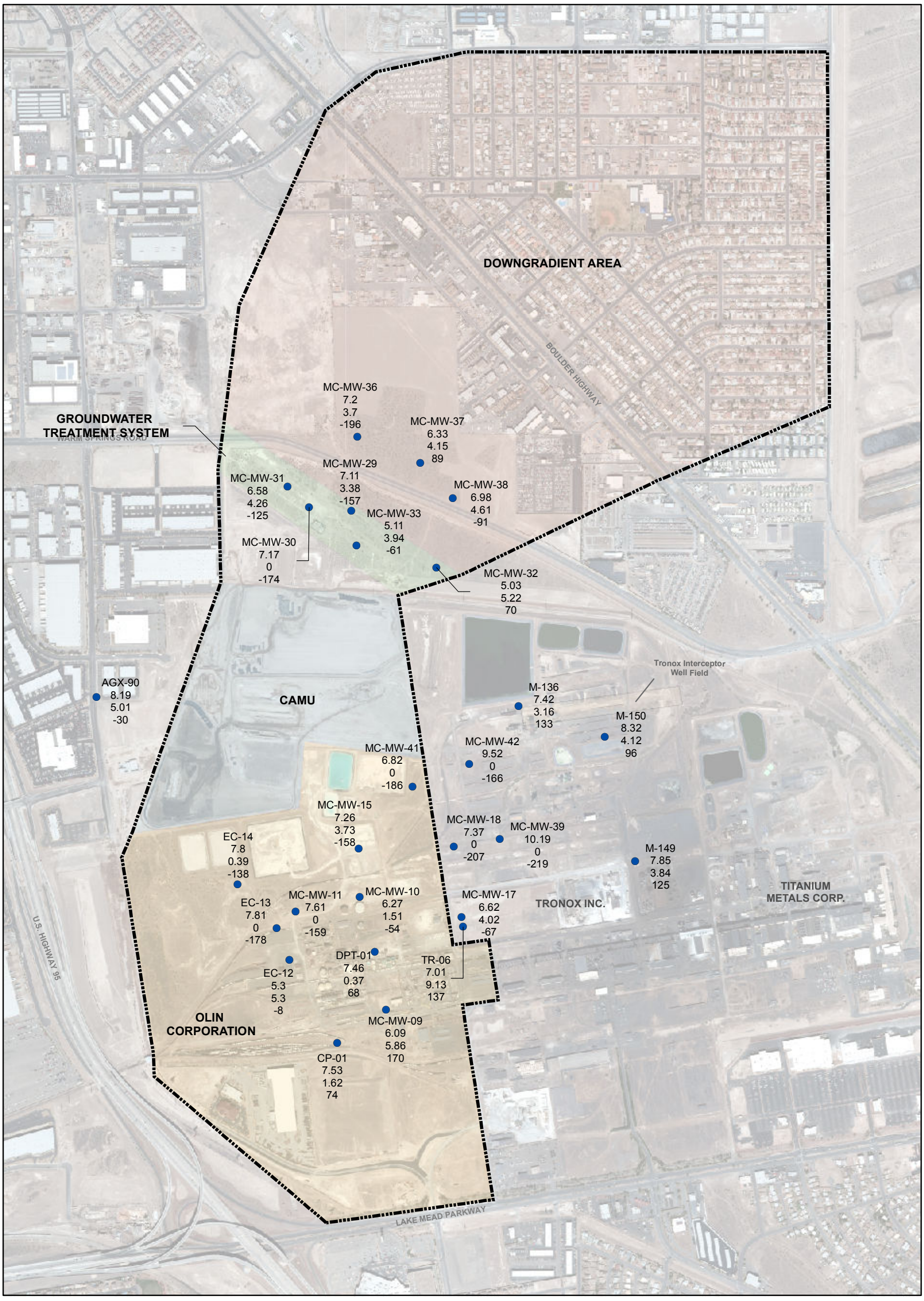
SHALLOW ZONE FIELD PARAMETERS
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 29

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

CP-01	Shallow Zone Location
7.53	pH
1.62	D.O. (mg/L)
74	ORP (mV)
	Study Area Boundary

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

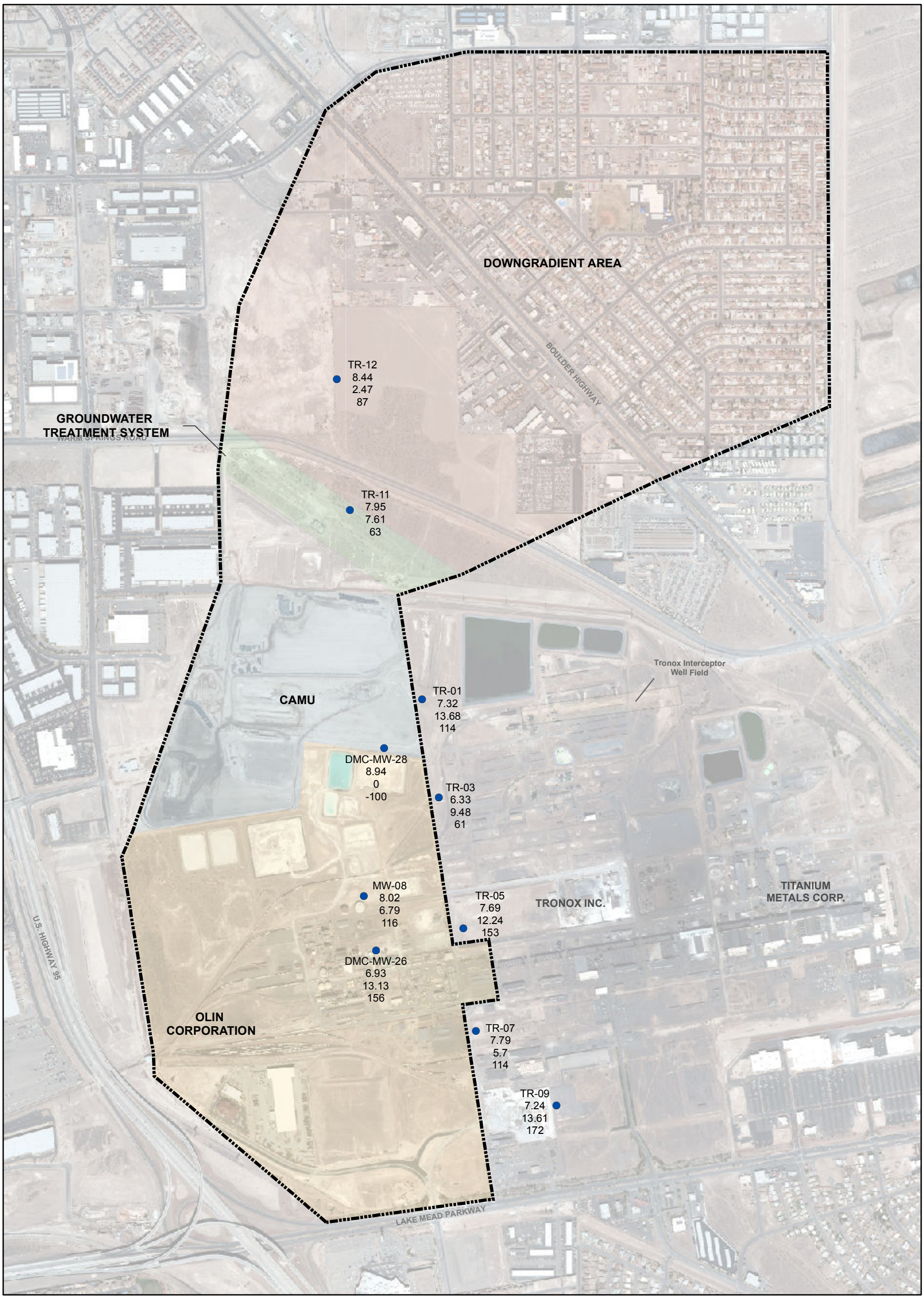
MIDDLE ZONE FIELD PARAMETERS
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 30

PREP BY DAT REV BY BRW RPT NO 754.81



EXPLANATION

TR-09	Shallow Zone Location
7.24	pH
13.61	D.O. (mg/L)
172	ORP (mV)
	Study Area Boundary

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2011 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

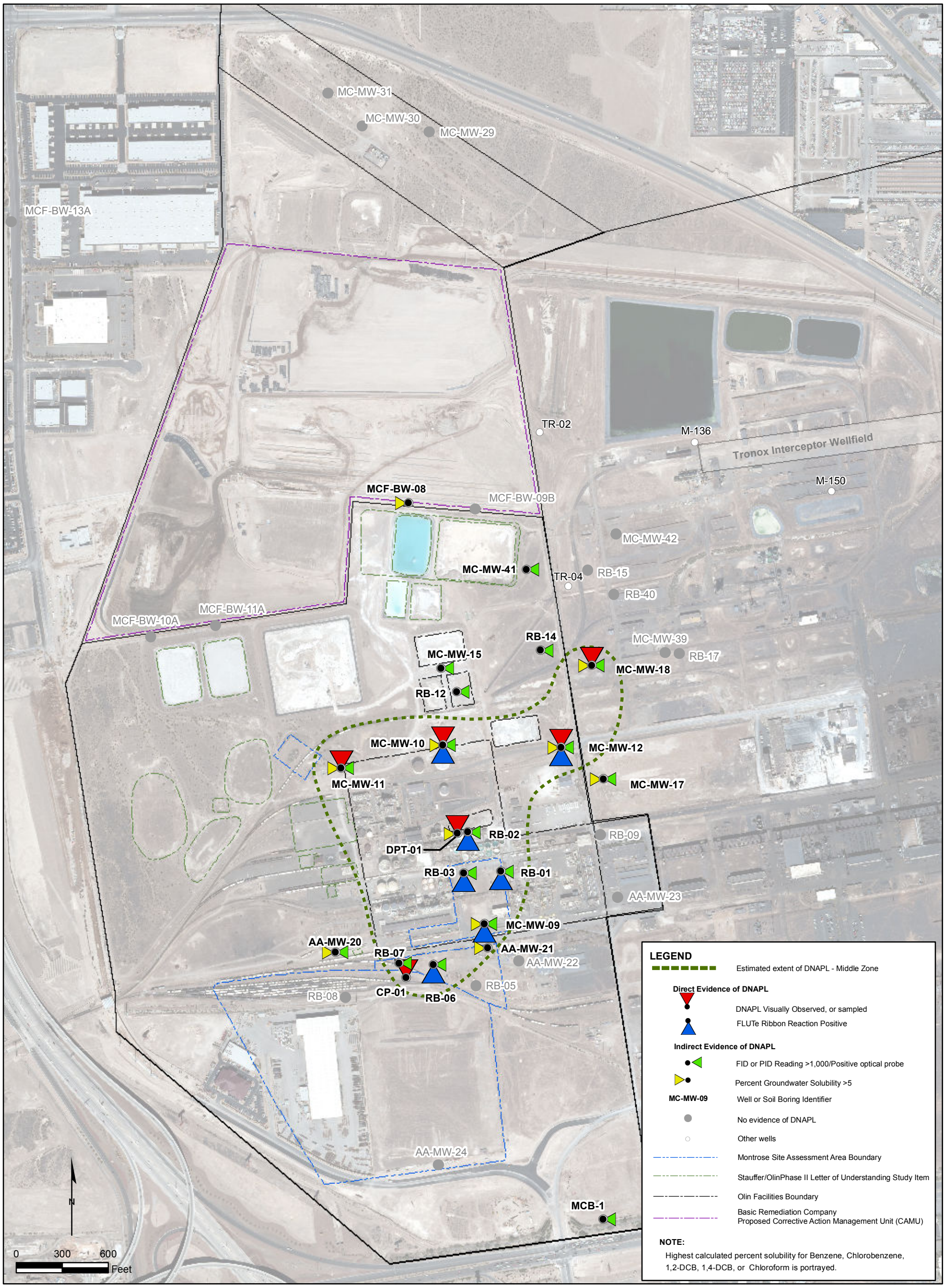
DEEP ZONE FIELD PARAMETERS
SECOND QUARTER 2011

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/18/2011

FIGURE 31

PREP BY DAT REV BY BRW RPT NO 754.81



Evaluating Evidence of DNAPL

Direct Evidence – proof positive that DNAPL exists at location of boring or well.

- Visual evidence and positive FLUTe® ribbon reaction provides evidence of the type of DNAPL present, i.e. residual or disseminated DNAPL in the soil or aquifer matrix.
- Samples of free phase NAPL indicate the presence of pooled NAPL.

Indirect Evidence – indicates that DNAPL may be present locally; used as corroborative evidence of DNAPL; should be evaluated carefully and qualified if direct evidence is not observed at sample location.

- Positive finding using a NAPL probe provides only evidence of the existence of fluids of different specific gravity, density or optical properties; does not provide indication of the chemical make up of the fluid.
- Elevated concentrations of organic chemicals detected in soil vapor or groundwater by chemical analysis or PID/FID measurements only indicate that potentially a DNAPL source exists nearby in the soil matrix or up-gradient in the groundwater, or may indicate the existence of residual elevated dissolved phase concentrations from a former DNAPL source.
- Calculated percent of water solubility data for dissolved phase groundwater samples (1% solubility rule of thumb) has the same limitation as concentration data, if the calculated percent water solubility is less than 100; the data are only an indicator that DNAPL is potentially present nearby or up gradient.
  - It is noted, however, that higher values of percent solubility provides stronger evidence of the presence of DNAPL.
  - It also must be noted that water solubility of potential NAPL forming organic compounds can vary in composite or mixed NAPLs such as those observed at this site. The presence of common solvents like benzene, PCE, TCE and TCA can complicate the use of calculated percent solubility of the other potential NAPL forming chemicals.
- Presence of organic odors does not provide sufficient evidence to determine if the odors are related to organic compounds as NAPL or as dissolved-phase in groundwater or soil moisture.

2011 COMPREHENSIVE DATA EVALUATION
FORMER MONTROSE AND STAUFFER FACILITIES
HENDERSON, NEVADA

EVIDENCE OF POTENTIAL DNAPL IN THE MIDDLE ZONE

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

FIGURE 32

PREP BY: RGW REV BY: BRW	DATE: 8/16/2011 FILE: DNAPL evidence	PROJECT: 754.81

APPENDIX A

LABORATORY REPORT

SEE ENCLOSED CD