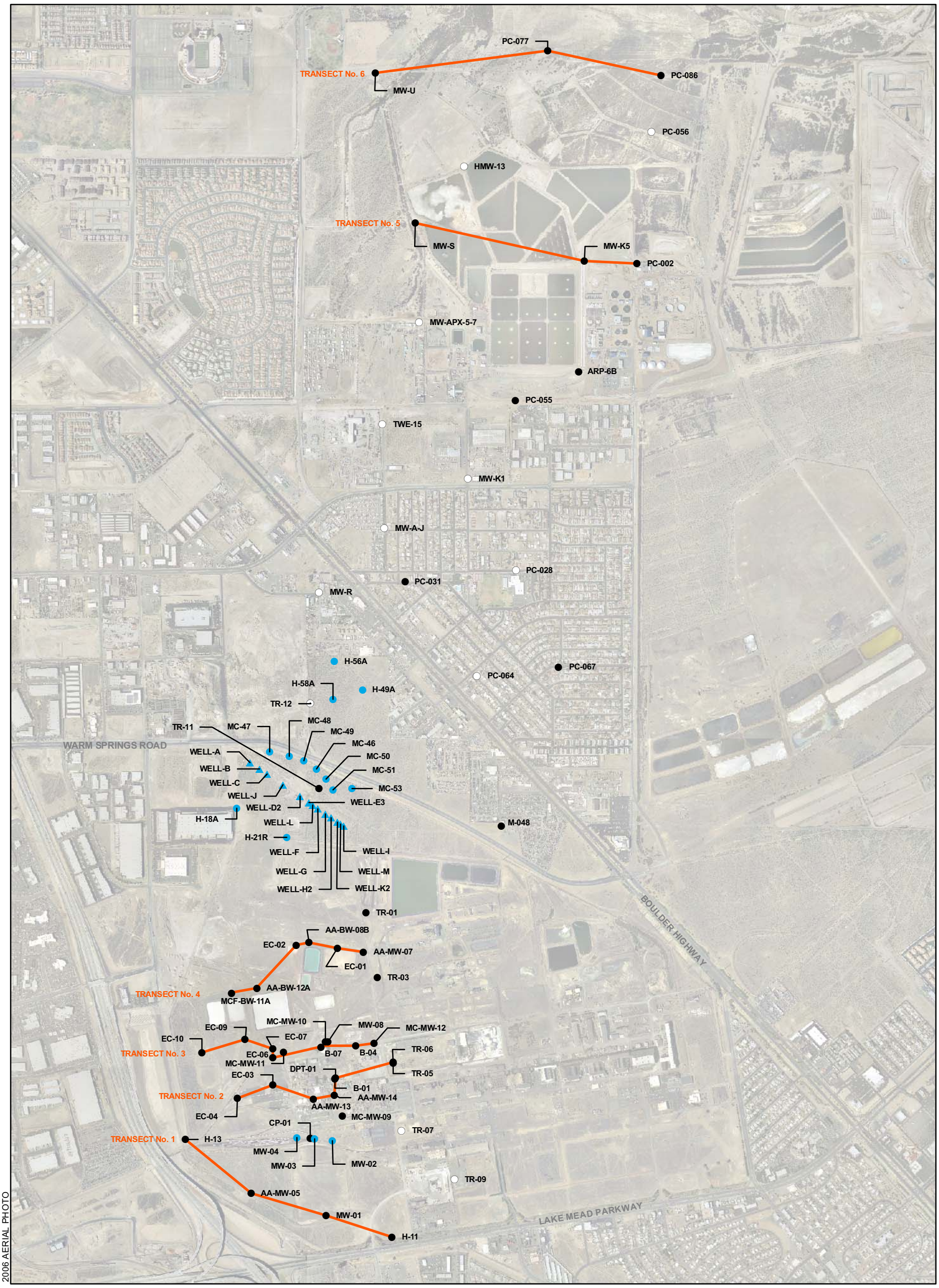


2006 AERIAL PHOTO

EXPLANATION

QUARTERLY GROUNDWATER MONITORING PROGRAM LOCATION

- ● **H-11** MONITOR WELL IDENTIFIER
  GROUNDWATER QUALITY AND WATER LEVEL MONITORING LOCATION
- ○ **MW-A-J** MONITOR WELL IDENTIFIER
  WATER LEVEL MONITORING LOCATION

ROUTINE GROUNDWATER MONITORING LOCATION

- ● **MC-47** MONITOR WELL IDENTIFIER
  CONSENT ORDER WELLS / TRANSECT WELLS / CLOSED POND WELLS
- ▲ **WELL-A** MONITOR WELL IDENTIFIER
  EXTRACTION WELL
- TRANSECT

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

QUARTERLY GROUNDWATER MONITORING PROGRAM STUDY AREA

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

06/30/2008

FIGURE 1

PREP BY RGW REV BY BRW RPT NO 1012.03 StudyArea.mxd

2006 AERIAL PHOTO

EXPLANATION

● H-11 1798.47 — MONITOR WELL IDENTIFIER; WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

1,790 — APPROXIMATE CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

NOTES:

UTM = Unable to measure; well was not accessable
MM = Suspected mis-measurement, value not used in contouring
NM = Not Measured

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

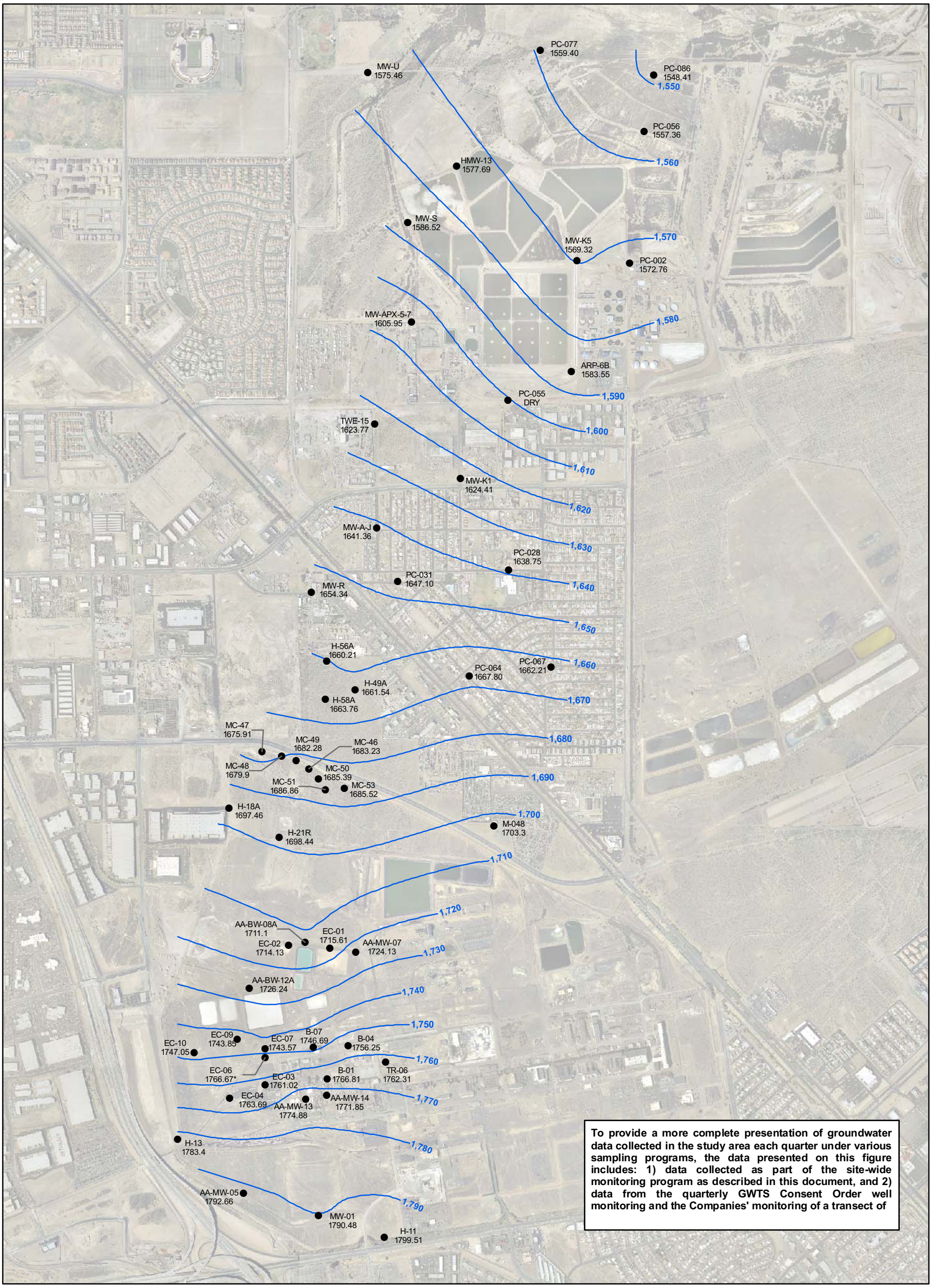
WATER LEVELS
ALLUVIAL AQUIFER
FIRST QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 2

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-Alluvial_jan08.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of

EXPLANATION

● **H-11** **1799.51** — MONITOR WELL IDENTIFIER; WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

1,790 — APPROXIMATE CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

*** Suspected 10 foot measuring/recording error; Value not used in contouring**

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

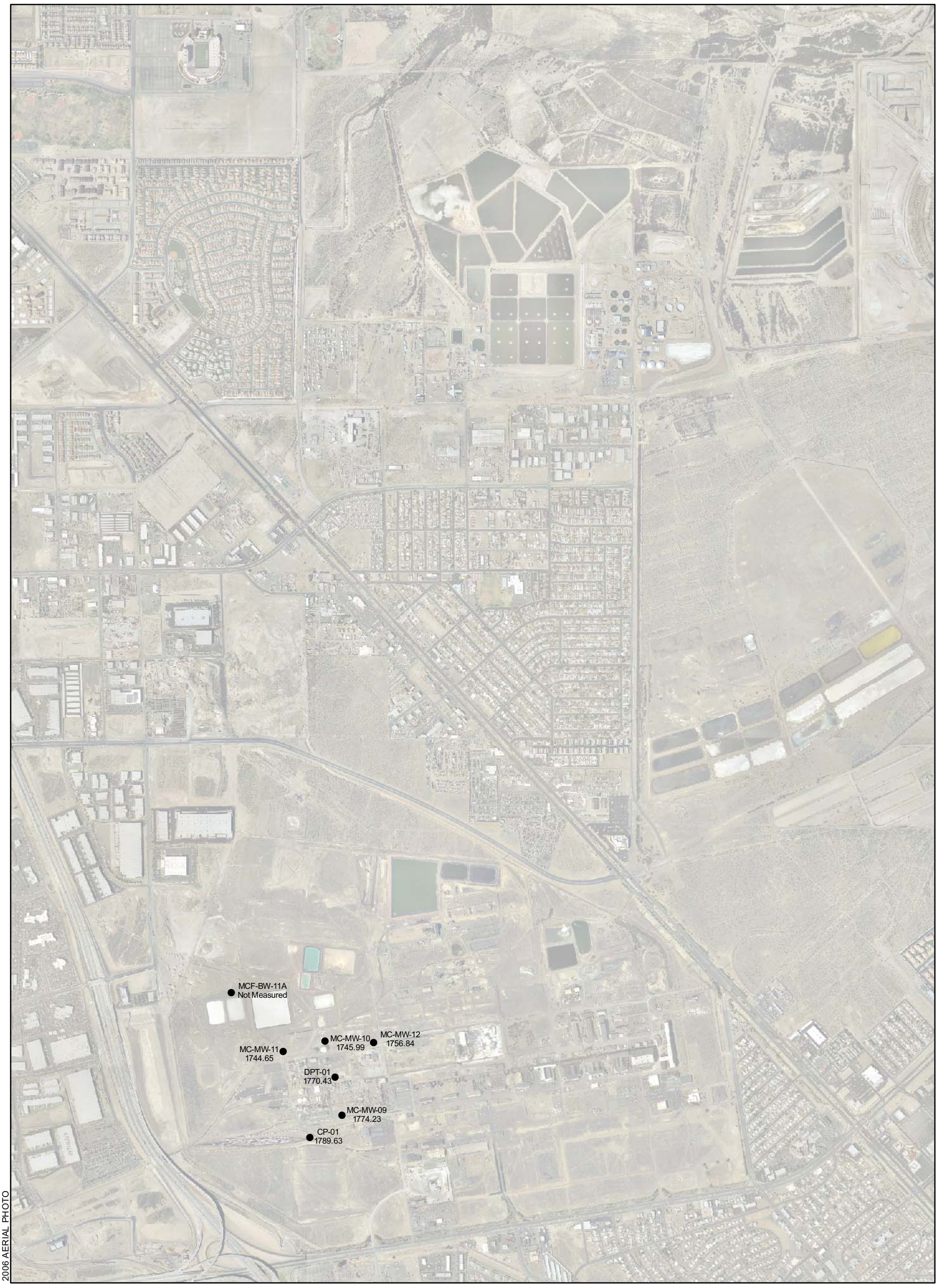
WATER LEVELS
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 3

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-Alluvial_jan08.mxd



EXPLANATION

● **CP-01** **1789.63** — MONITOR WELL IDENTIFIER; WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

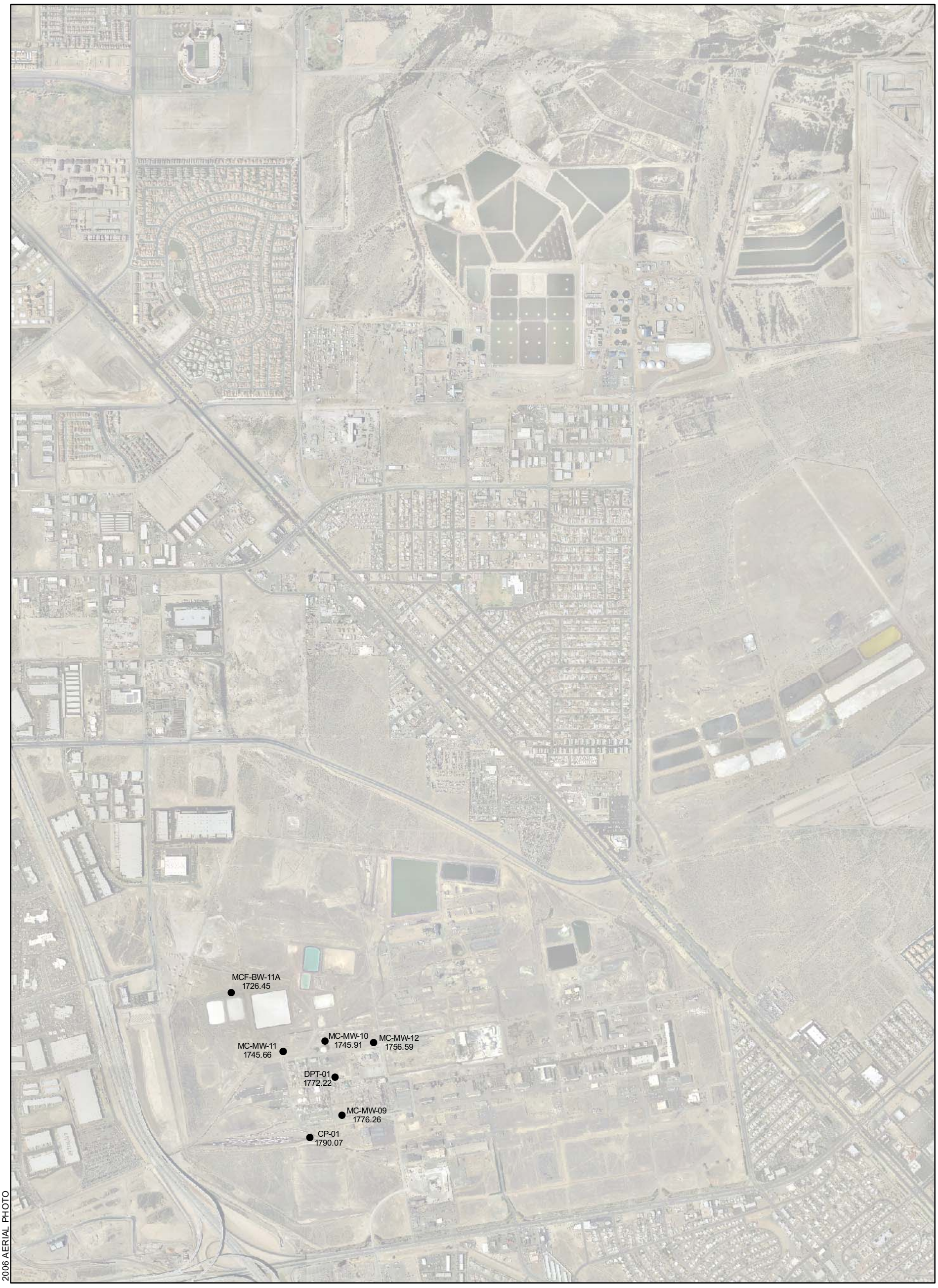
WATER LEVELS
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
FIRST QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 4

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-2ndWB_Jan08.mxd



EXPLANATION

● **CP-01** **1790.07** — MONITOR WELL IDENTIFIER; WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

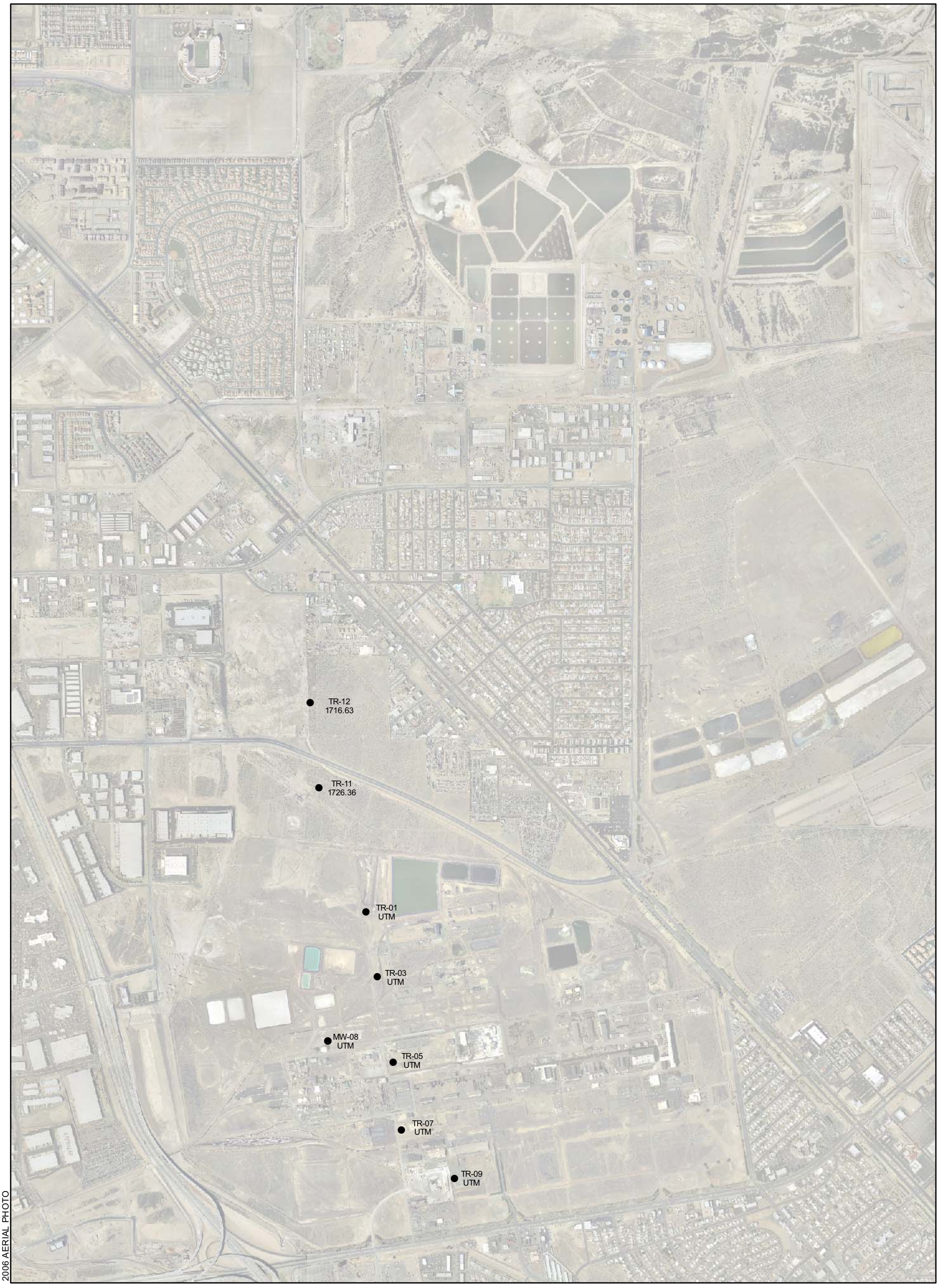
WATER LEVELS
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 5

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-2ndWB_Apr08.mxd



EXPLANATION

● **TR-11 1726.36** MONITOR WELL IDENTIFIER
WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

NOTES: UTM = Unable to Measure

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

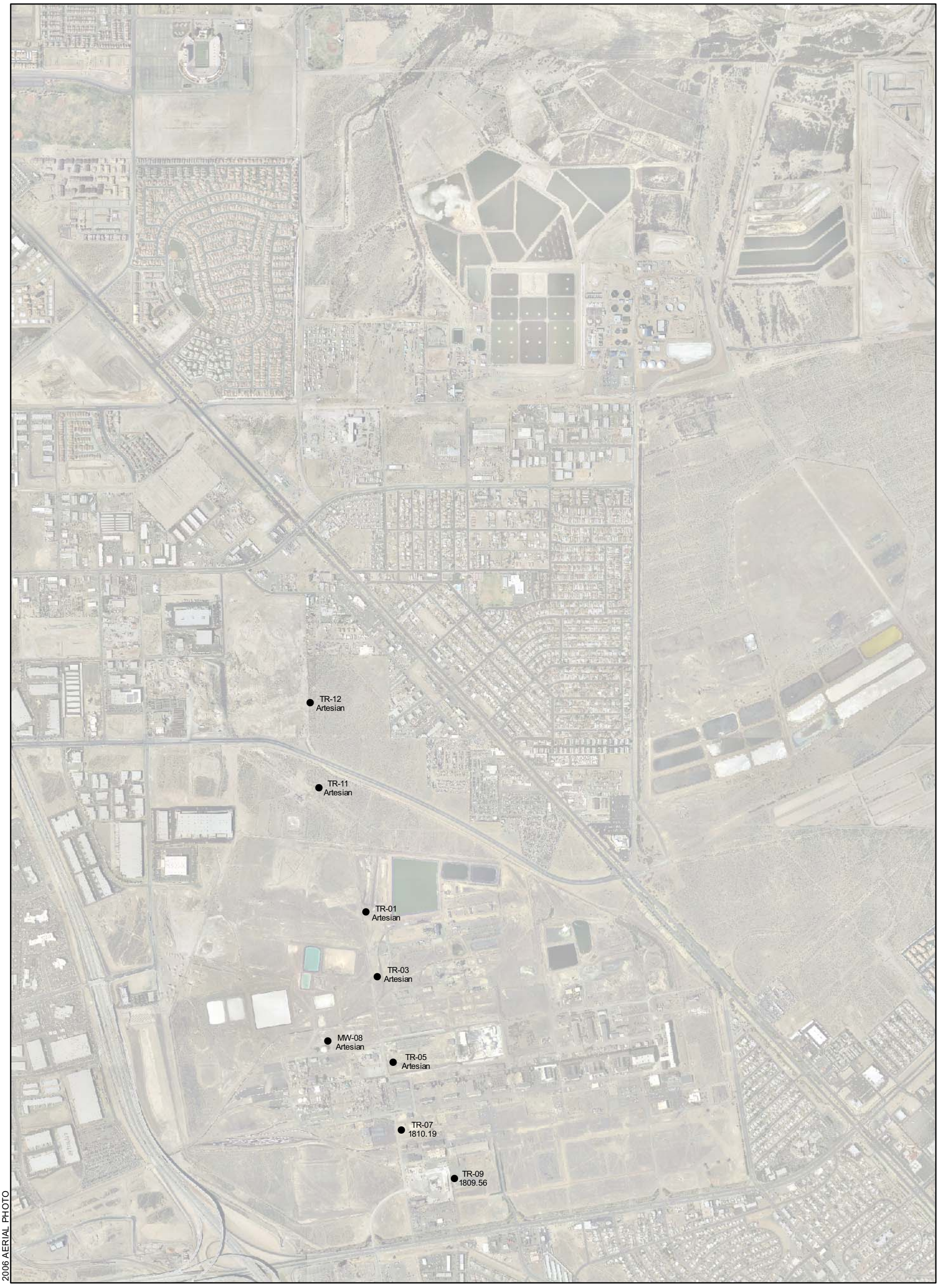
WATER LEVELS
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
FIRST QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 6

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-3rdWB_Jan08.mxd



EXPLANATION

● **TR-09 1809.56** MONITOR WELL IDENTIFIER
WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

WATER LEVELS
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/02/2008

FIGURE 7

PREP BY RGW REV BY BRW RPT NO 1012.03 | WLs-3rdWB_Jan08.mxd

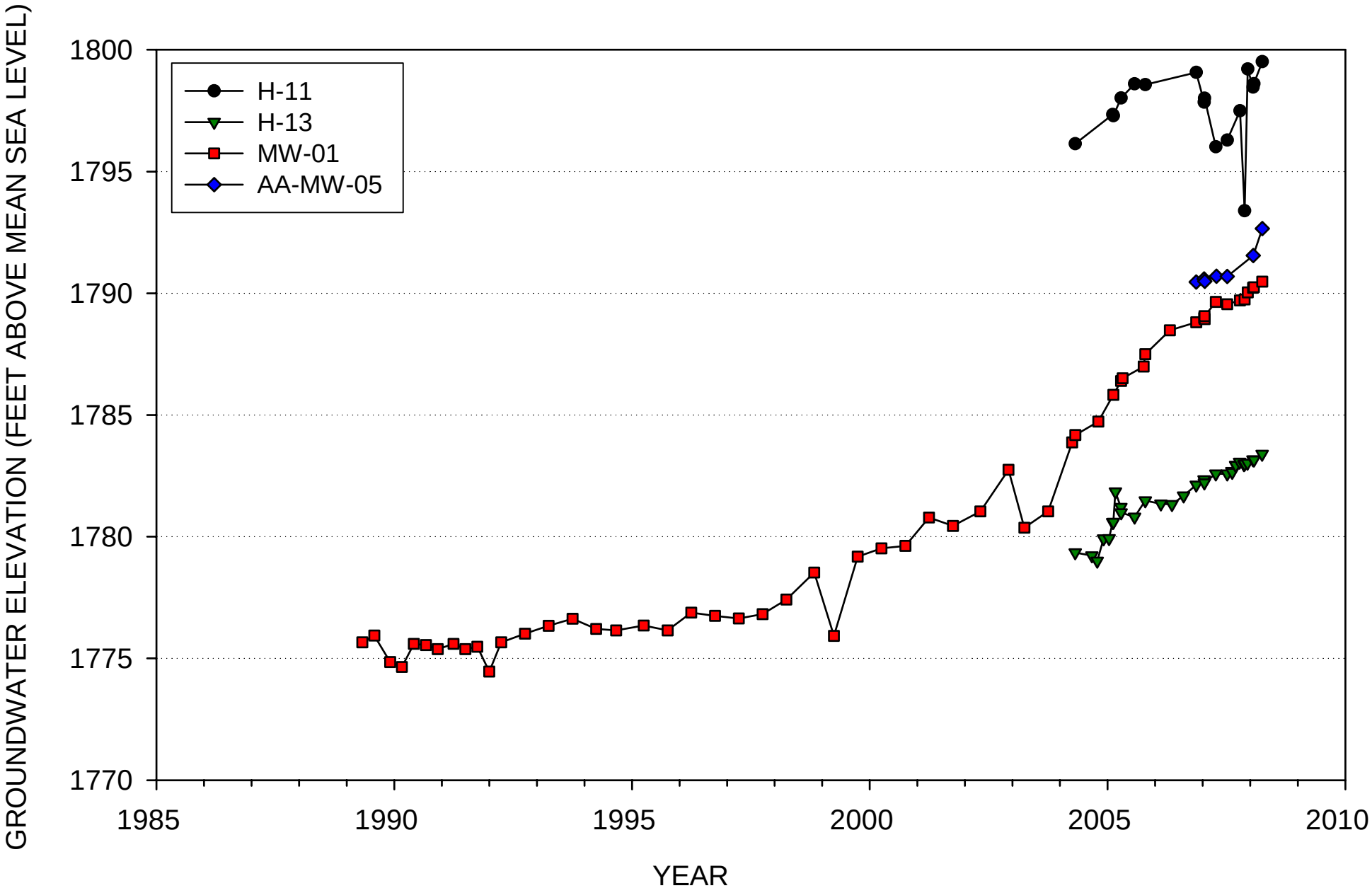


FIGURE 8. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 1

Note:
The 11/19/2007 water level measurement
for H-11 is a suspected mis-measurement.

HARGIS + ASSOCIATES, INC.

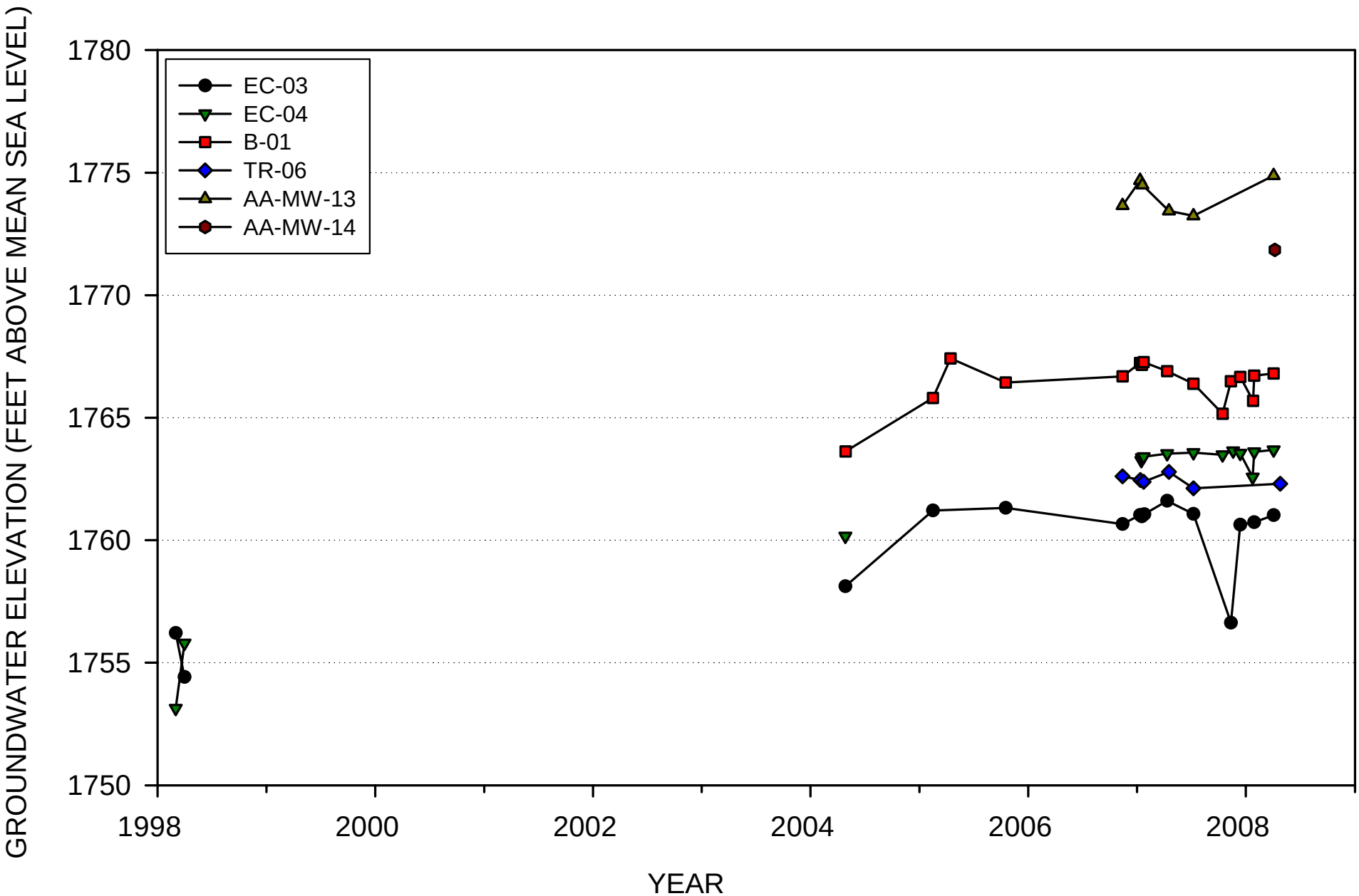


FIGURE 9. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 2

HARGIS + ASSOCIATES, INC.

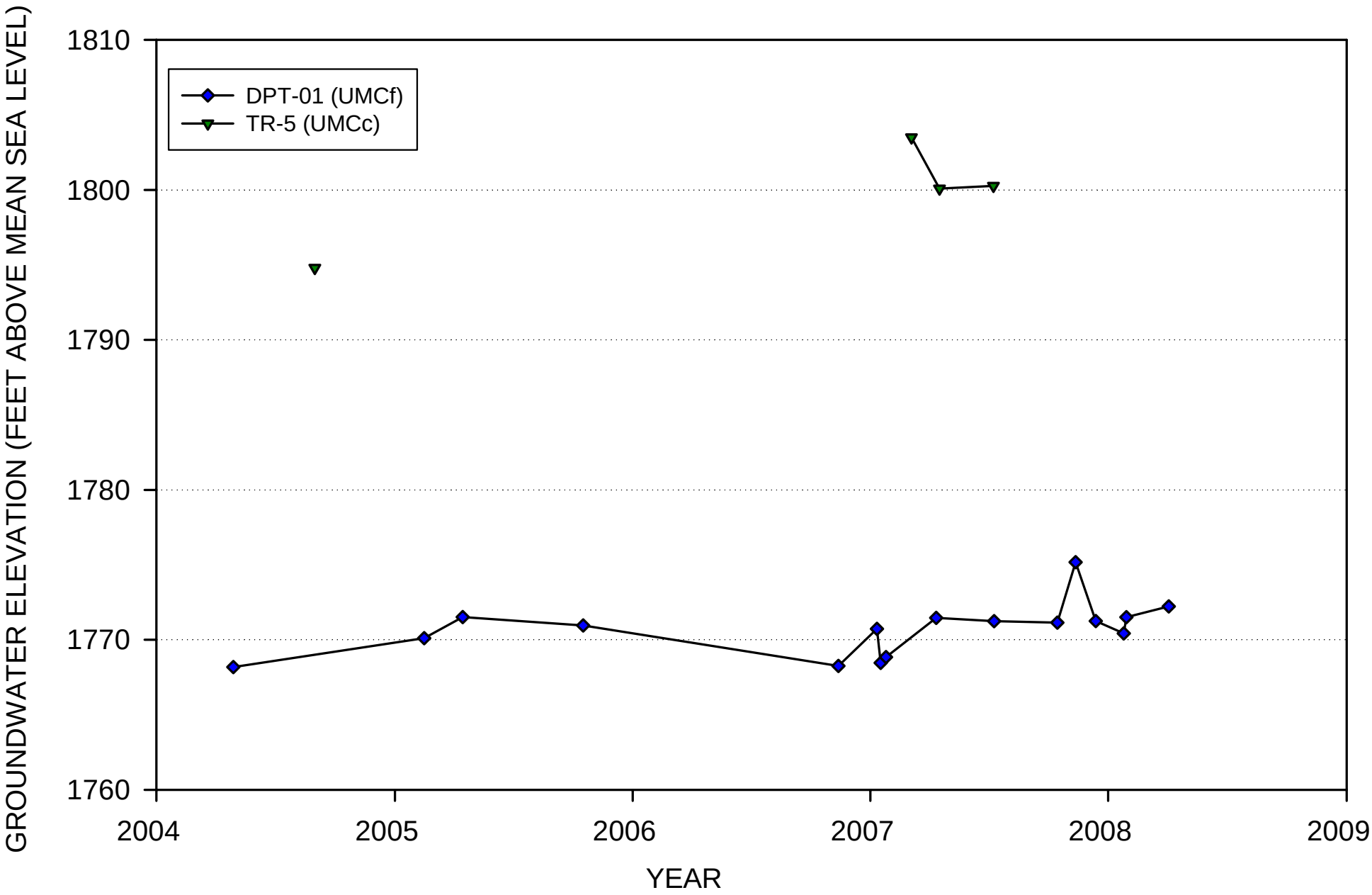


FIGURE 10. WATER LEVEL HYDROGRAPHS - UPPER MUDDY CREEK MONITOR WELLS - TRANSECT NO. 2

UMCf = fine grained Upper Muddy Creek formation
UMCc = coarse grained Upper Muddy Creek formation

HARGIS + ASSOCIATES, INC.

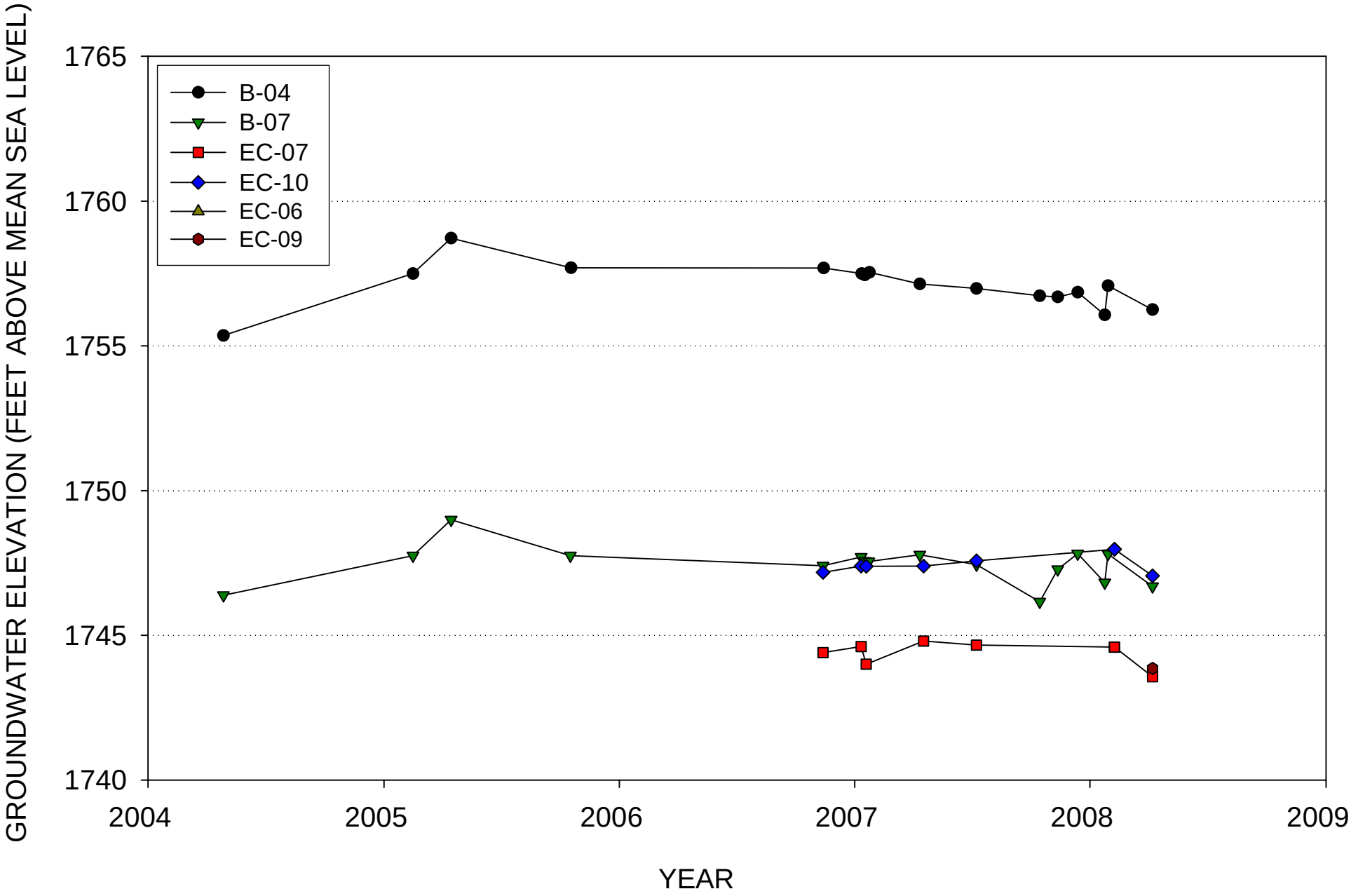


FIGURE 11. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 3

HARGIS + ASSOCIATES, INC.

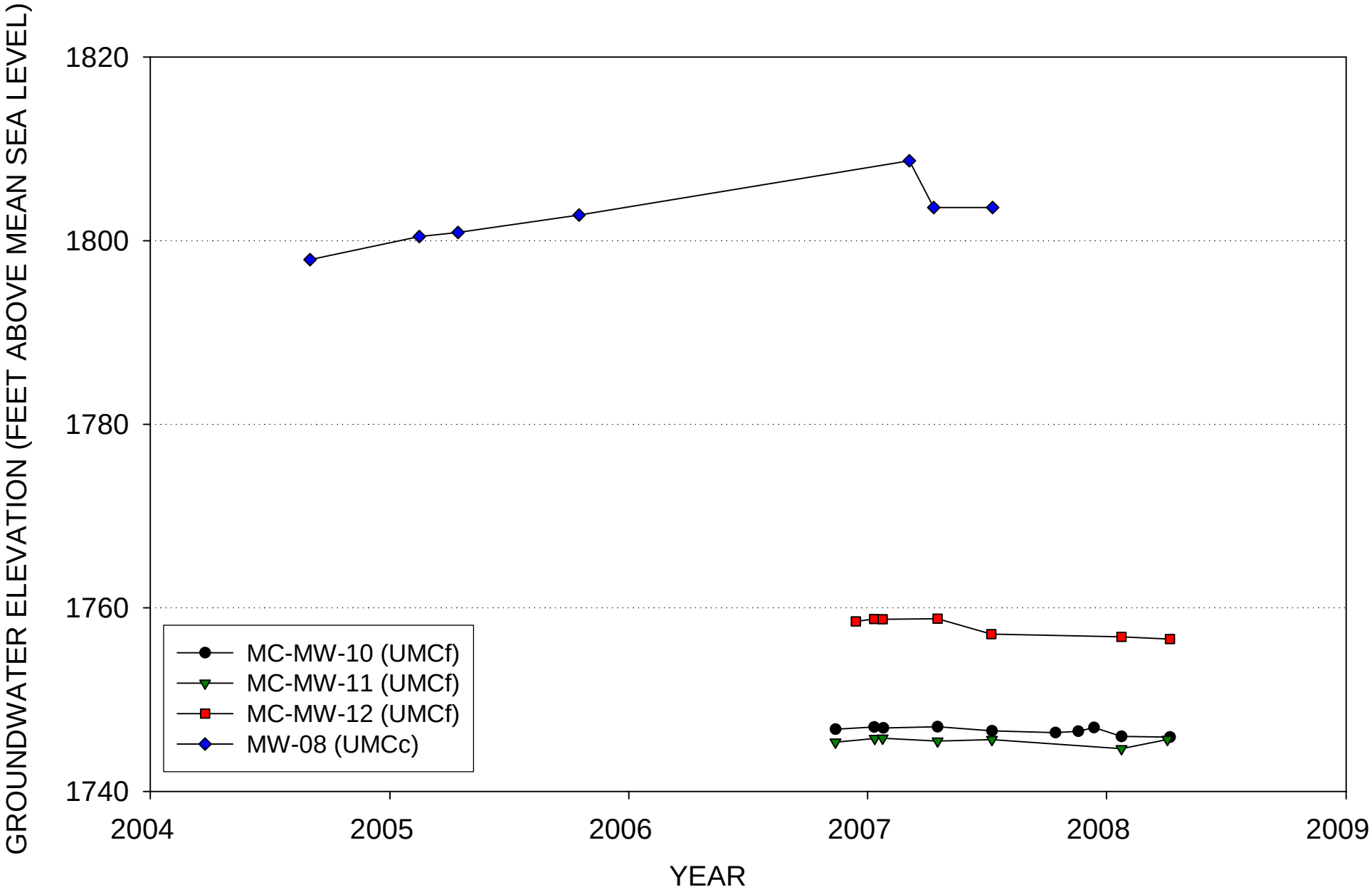


FIGURE 12. WATER LEVEL HYDROGRAPHS - UPPER MUDDY CREEK MONITOR WELLS - TRANSECT NO. 3

HARGIS + ASSOCIATES, INC.

UMCf = fine grained Upper Muddy Creek formation

UMCc = coarse grained Upper Muddy Creek formation

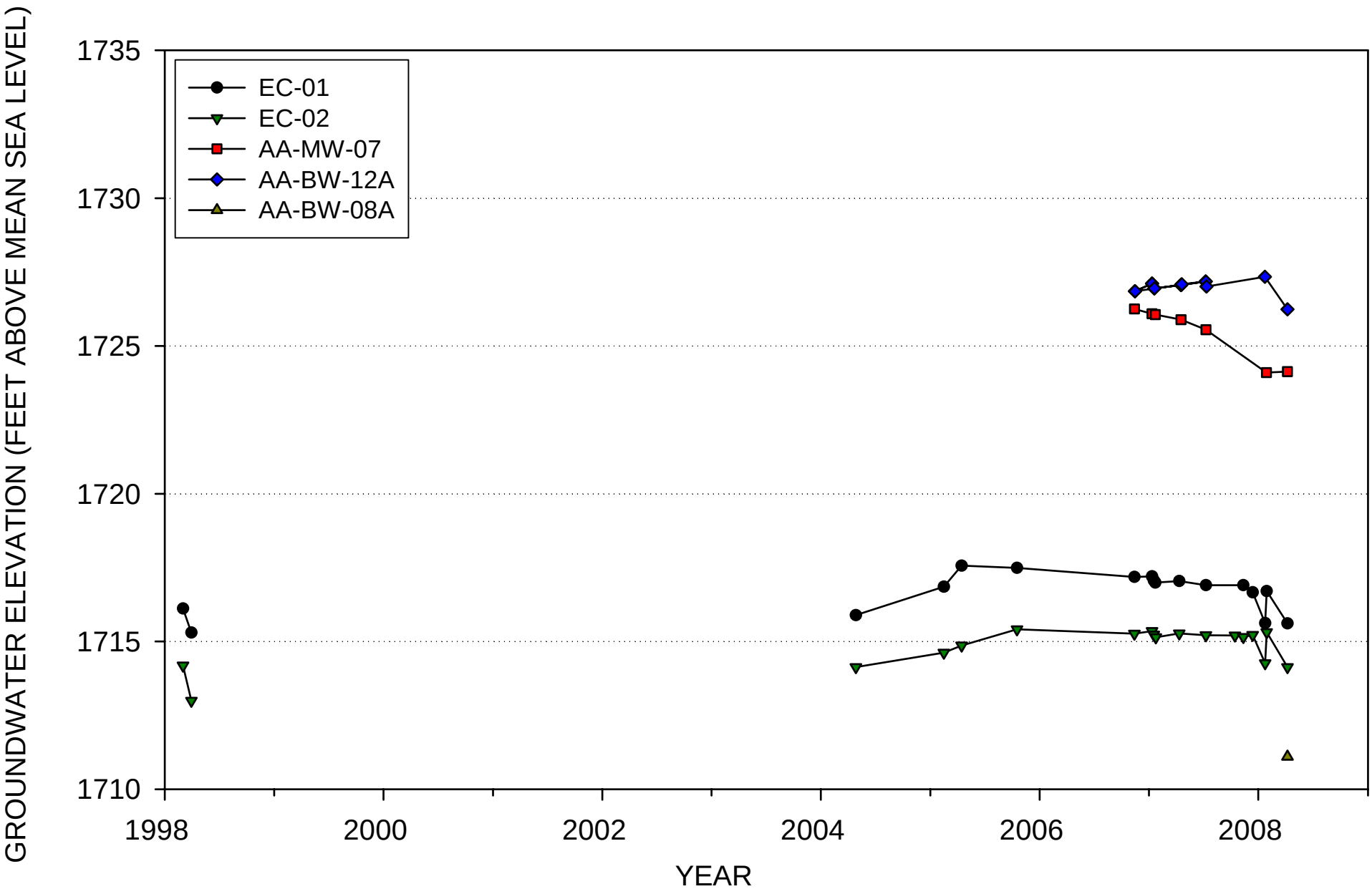


FIGURE 13. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 4

HARGIS + ASSOCIATES, INC.

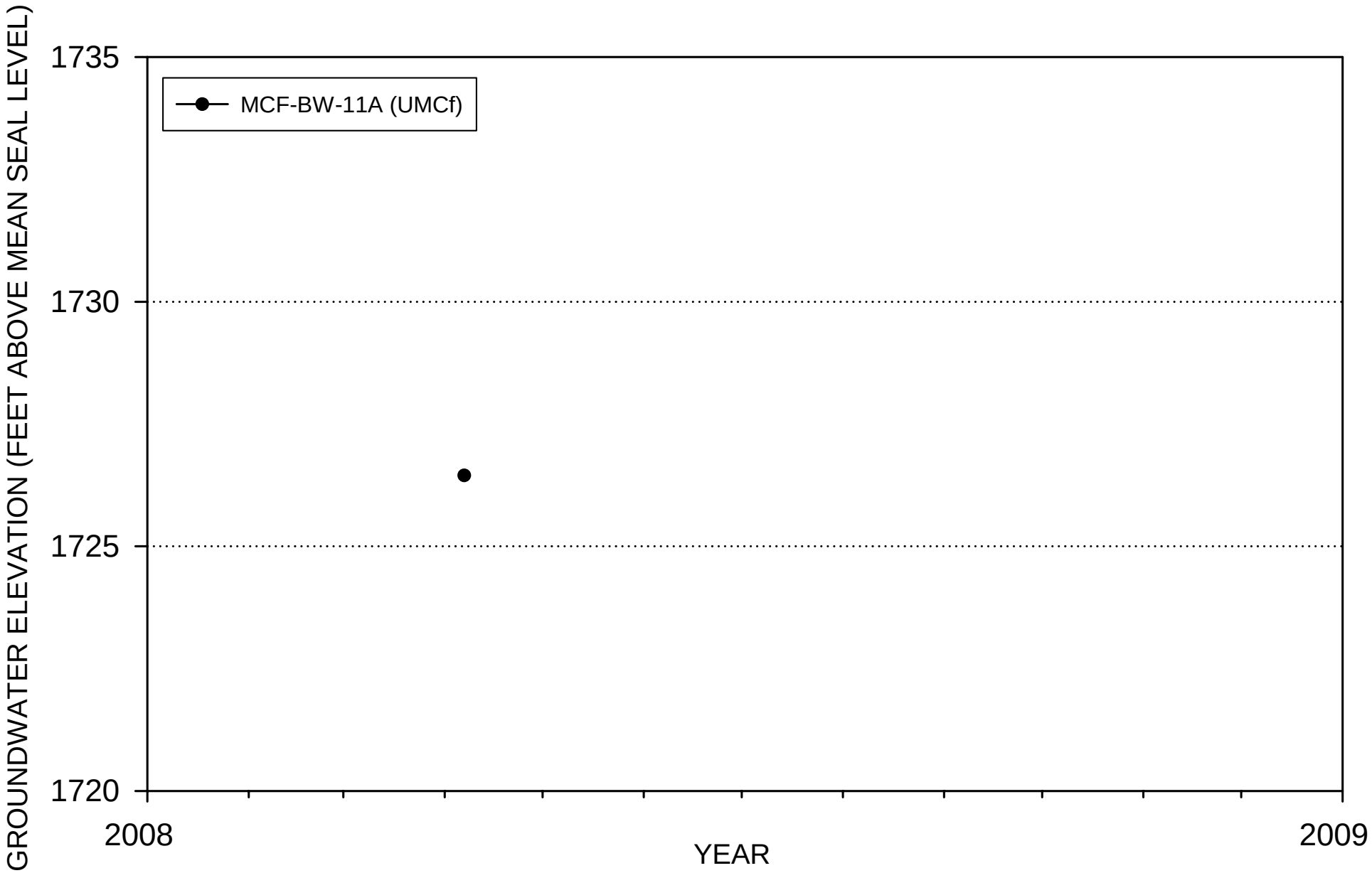


FIGURE 14. WATER LEVEL HYDROGRAPHS - UPPER MUDDY CREEK MONITOR WELLS - TRANSECT NO. 4

HARGIS + ASSOCIATES, INC.

UMCf = fine grained Upper Muddy Creek formation

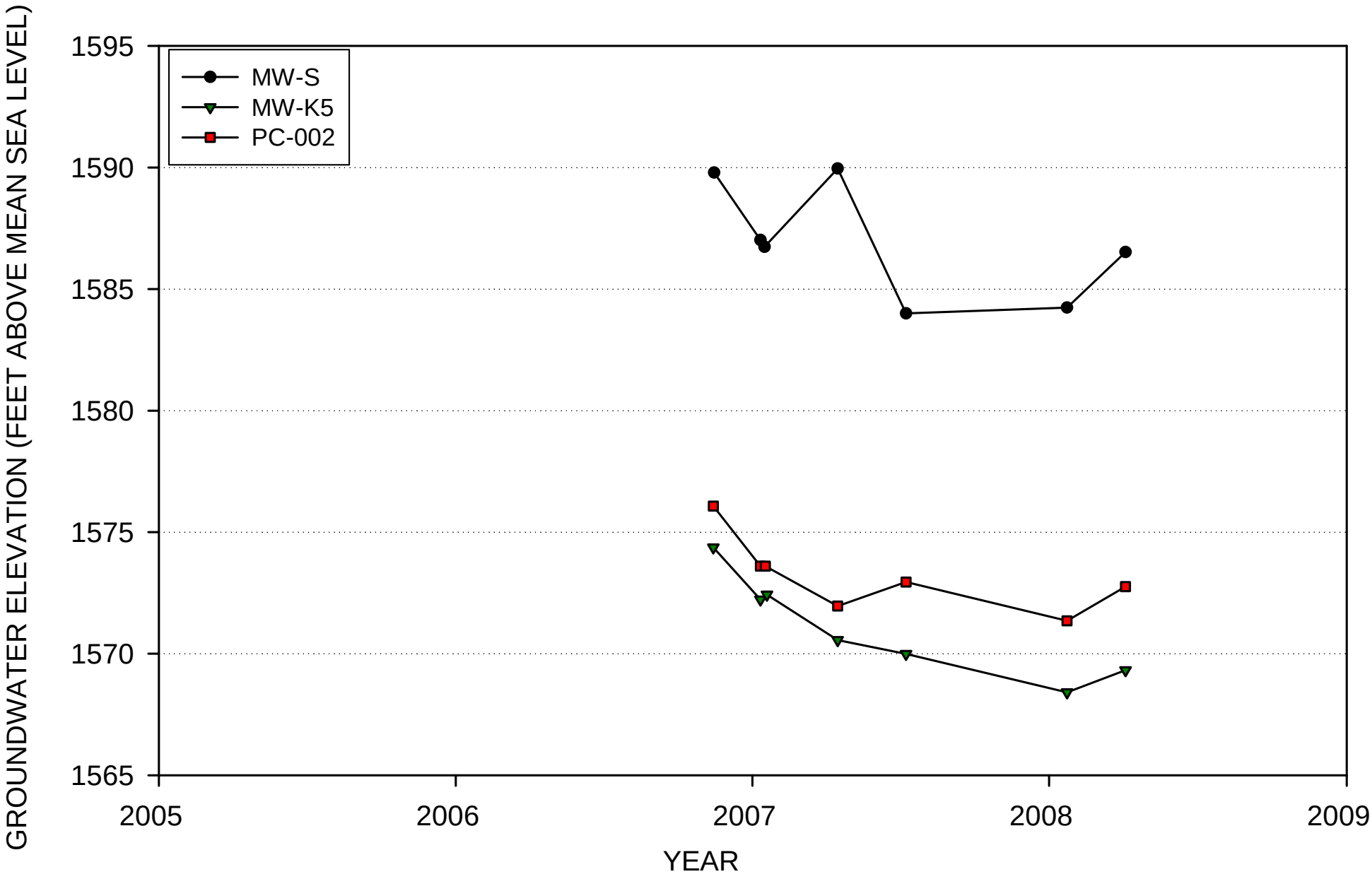


FIGURE 15. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 5

HARGIS + ASSOCIATES, INC.

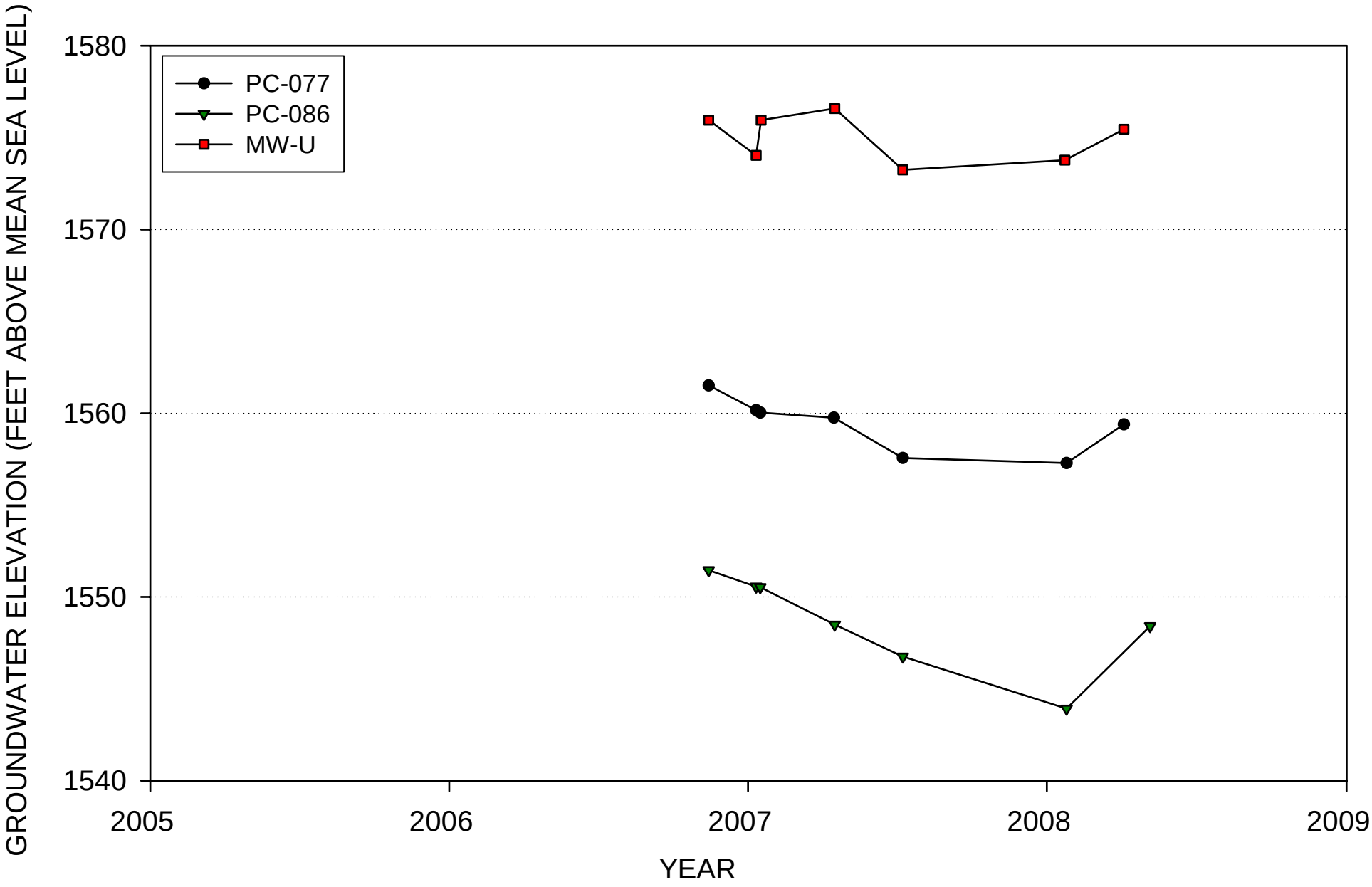
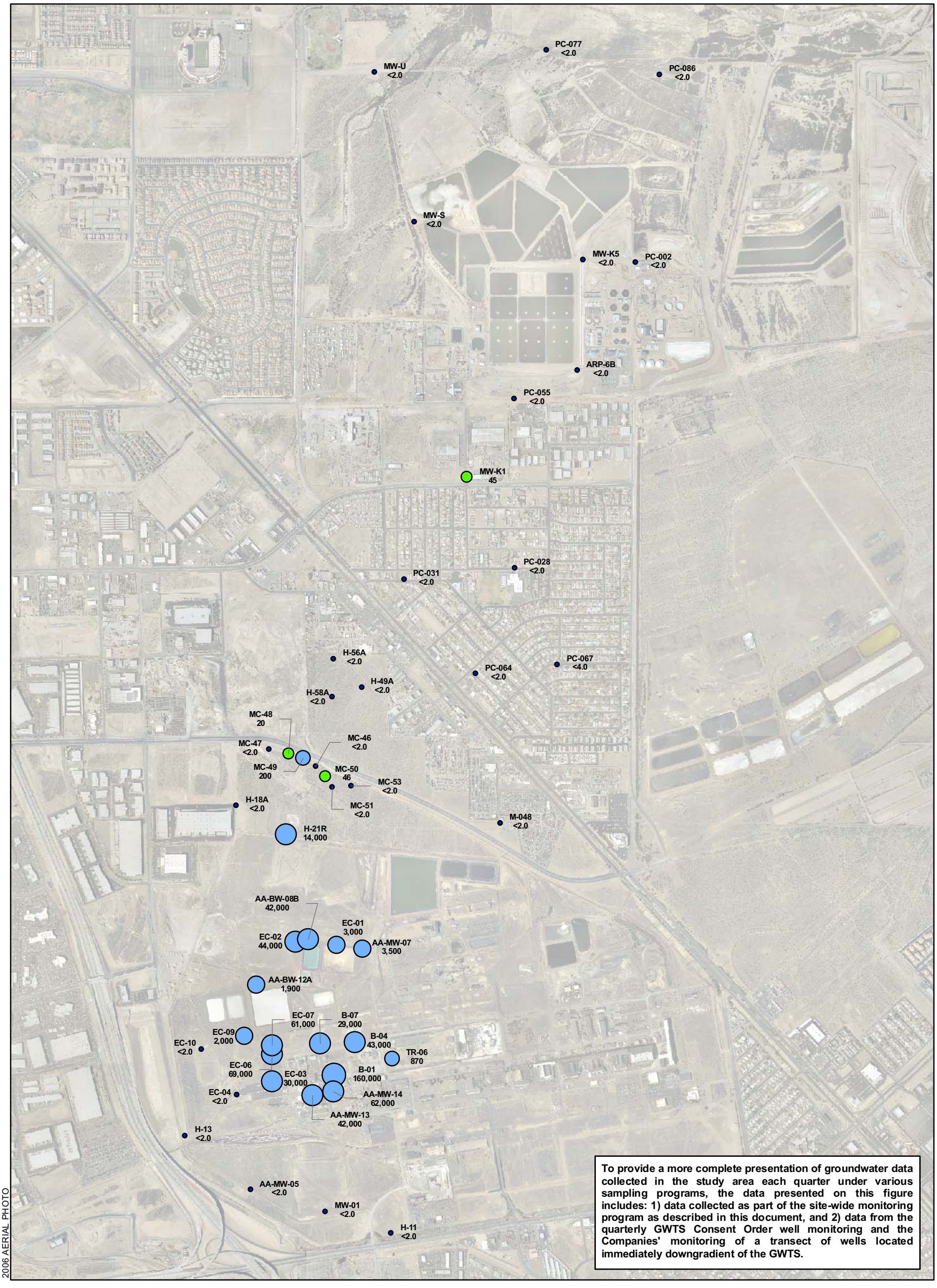


FIGURE 16. WATER LEVEL HYDROGRAPHS - ALLUVIAL AQUIFER MONITOR WELLS - TRANSECT NO. 6

HARGIS + ASSOCIATES, INC.



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

CHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 100 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

H-11 MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008
< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

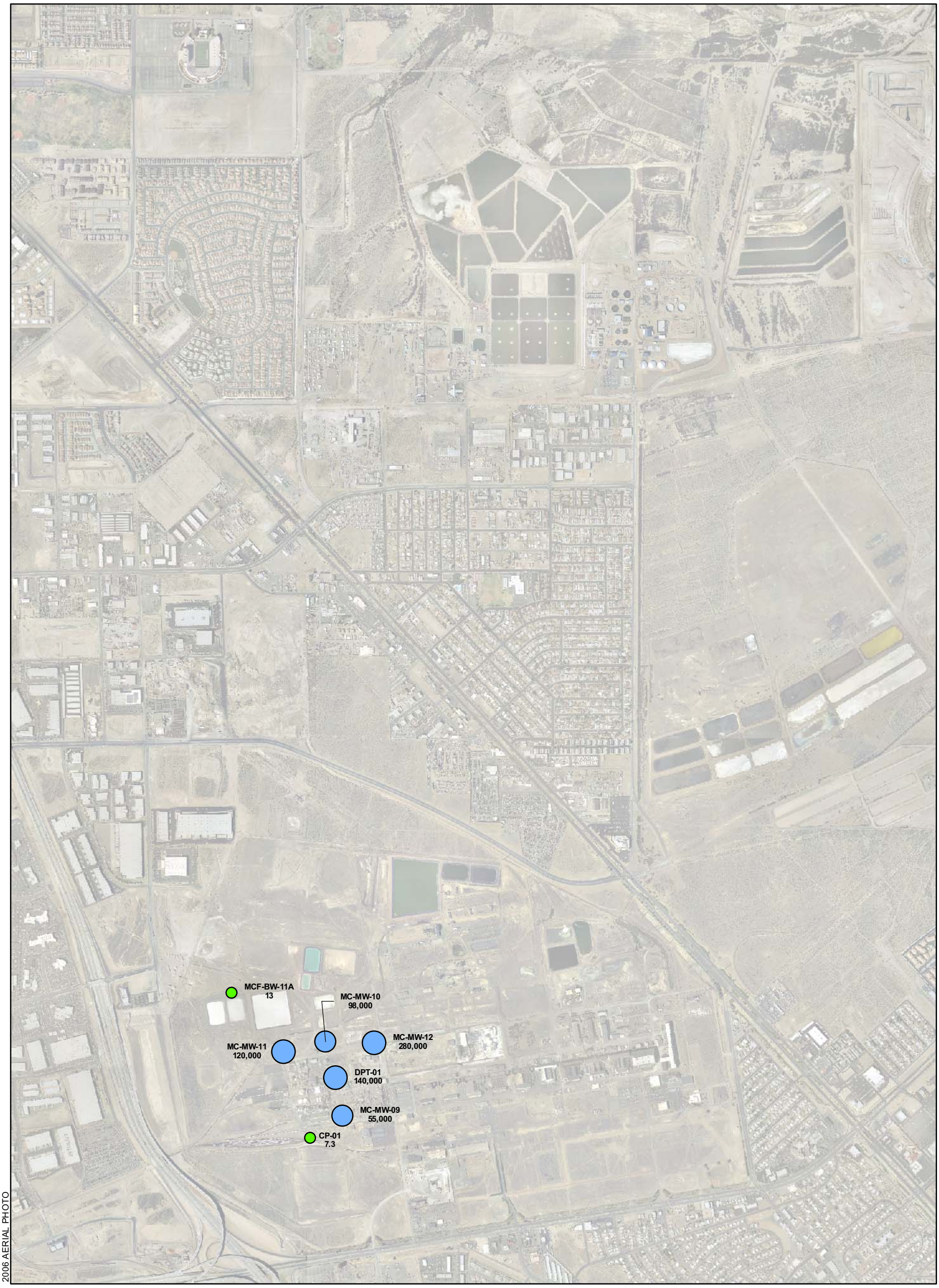
CHLOROBENZENE
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 17

PREP BY RGW REV BY BRW RPT NO 1012.03 MCB-Alluvial.mxd



EXPLANATION

CHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 100 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

CP-01 MONITOR WELL IDENTIFIER
7.3 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

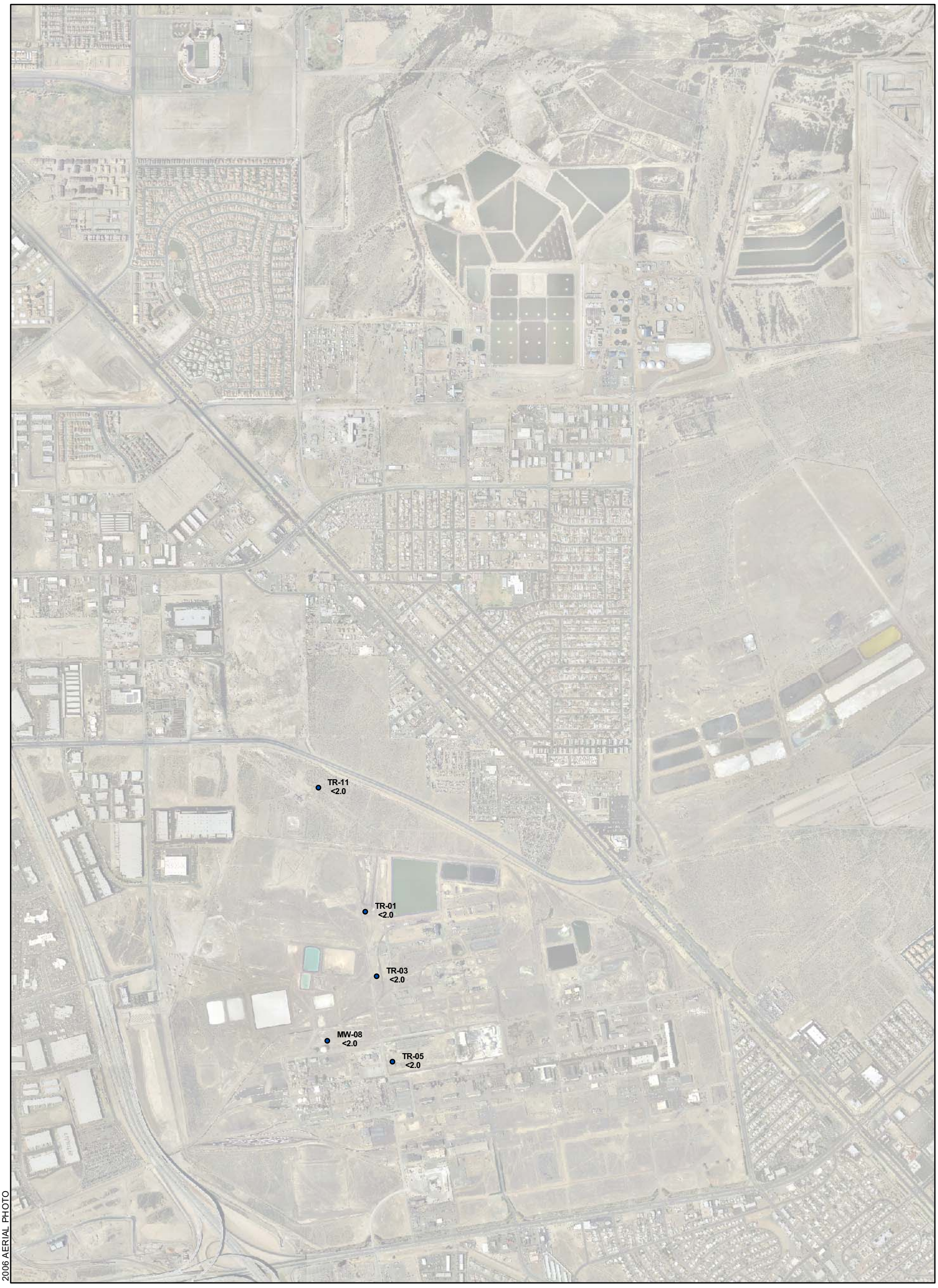
CHLOROBENZENE
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 18

PREP BY RGW REV BY BRW RPT NO 1012.03 MCB-2ndWB.mxd



EXPLANATION

CHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 100 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

TR-05 <2.0 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

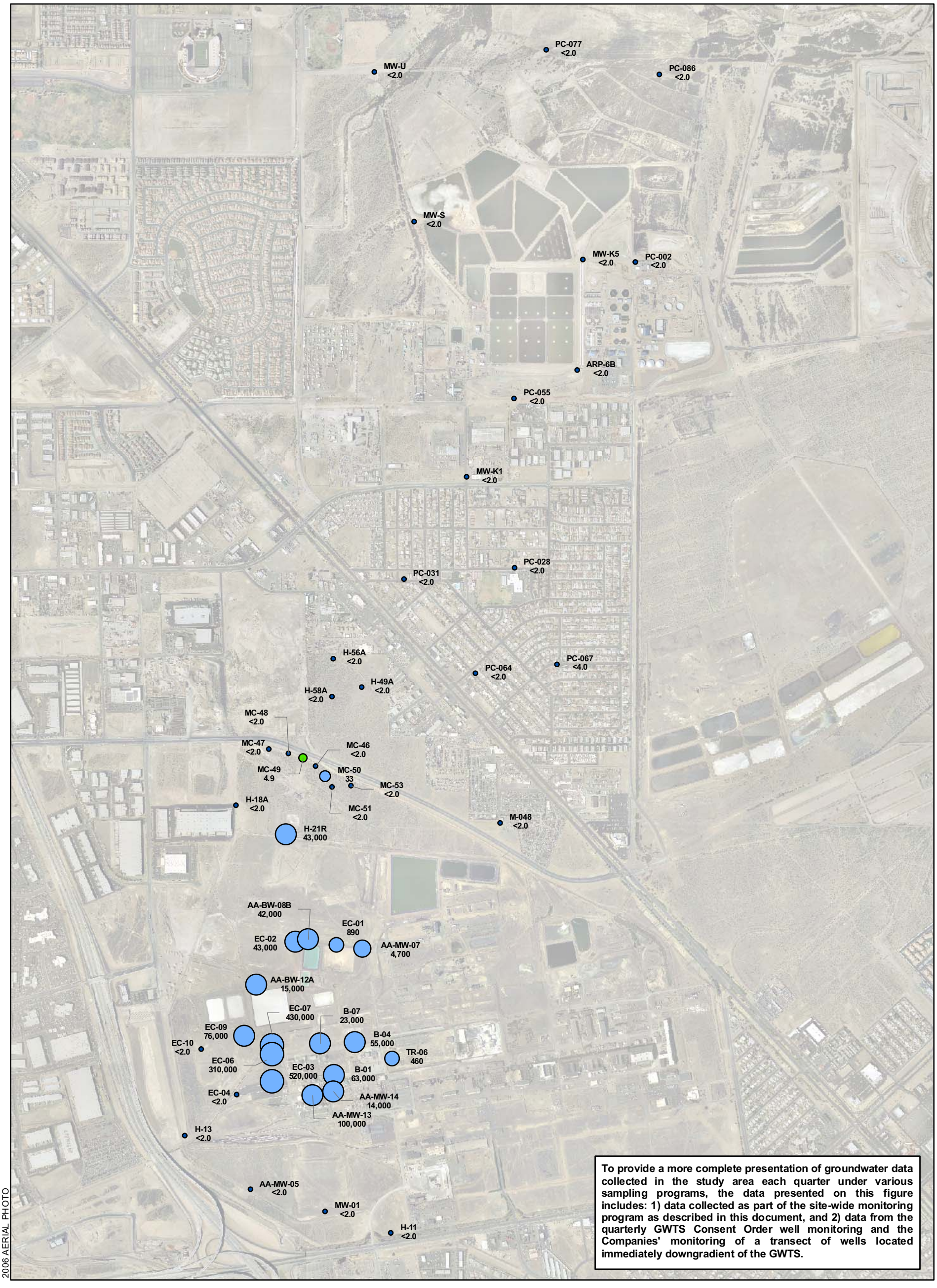
CHLOROBENZENE
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 19

PREP BY RGW REV BY BRW RPT NO 1012.03 | MCB-3rdWB.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

BENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- <5 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 5.0 - 10 ug/l
- 10 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

H-11 <2.0 — MONITOR WELL
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

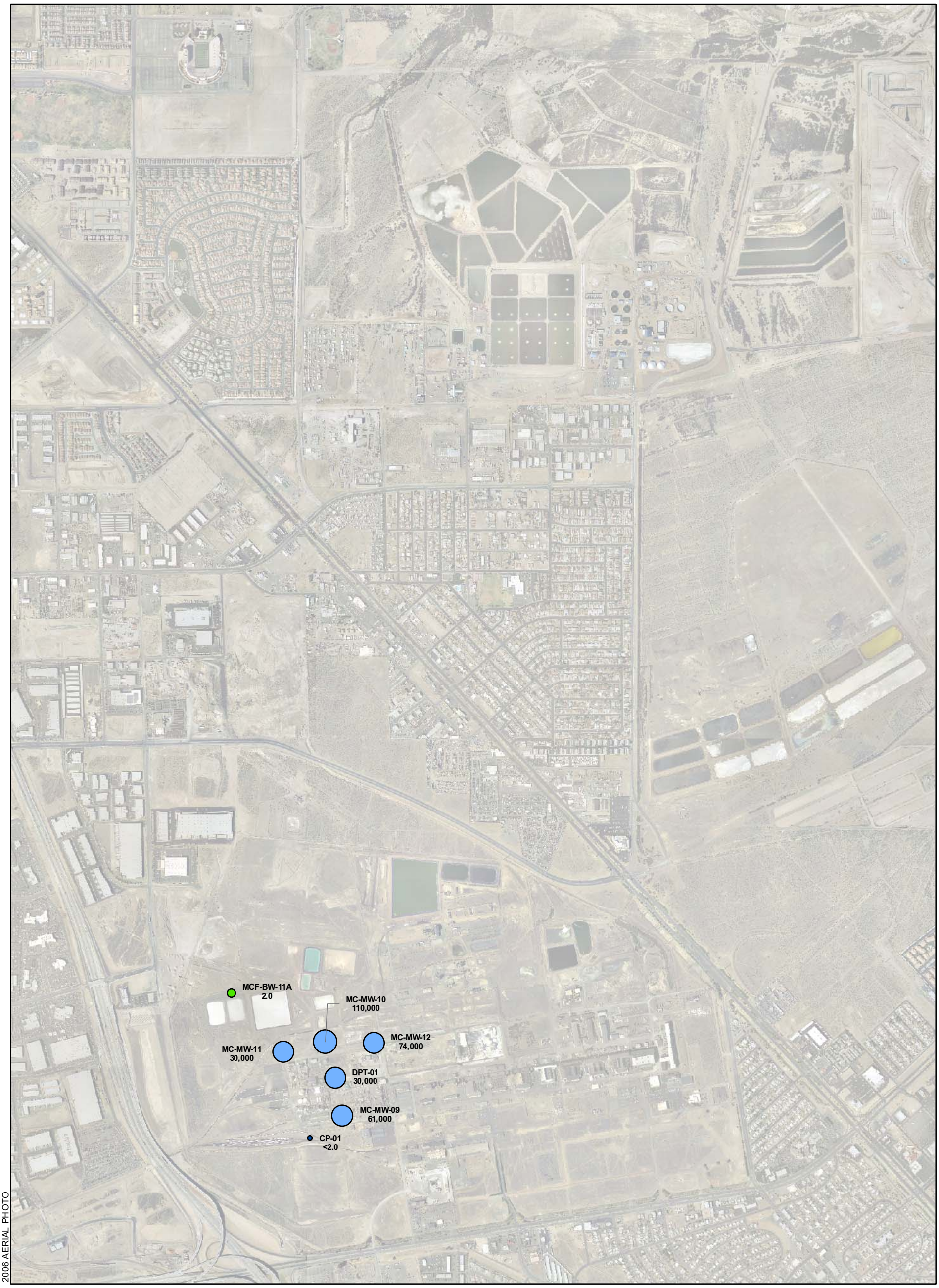
BENZENE
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 20

PREP BY RGW REV BY BRW RPT NO 1012.03 Benzene-Alluvial.mxd



EXPLANATION

BENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- <5 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 5.0 - 10 ug/l
- 10 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

CP-01 MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

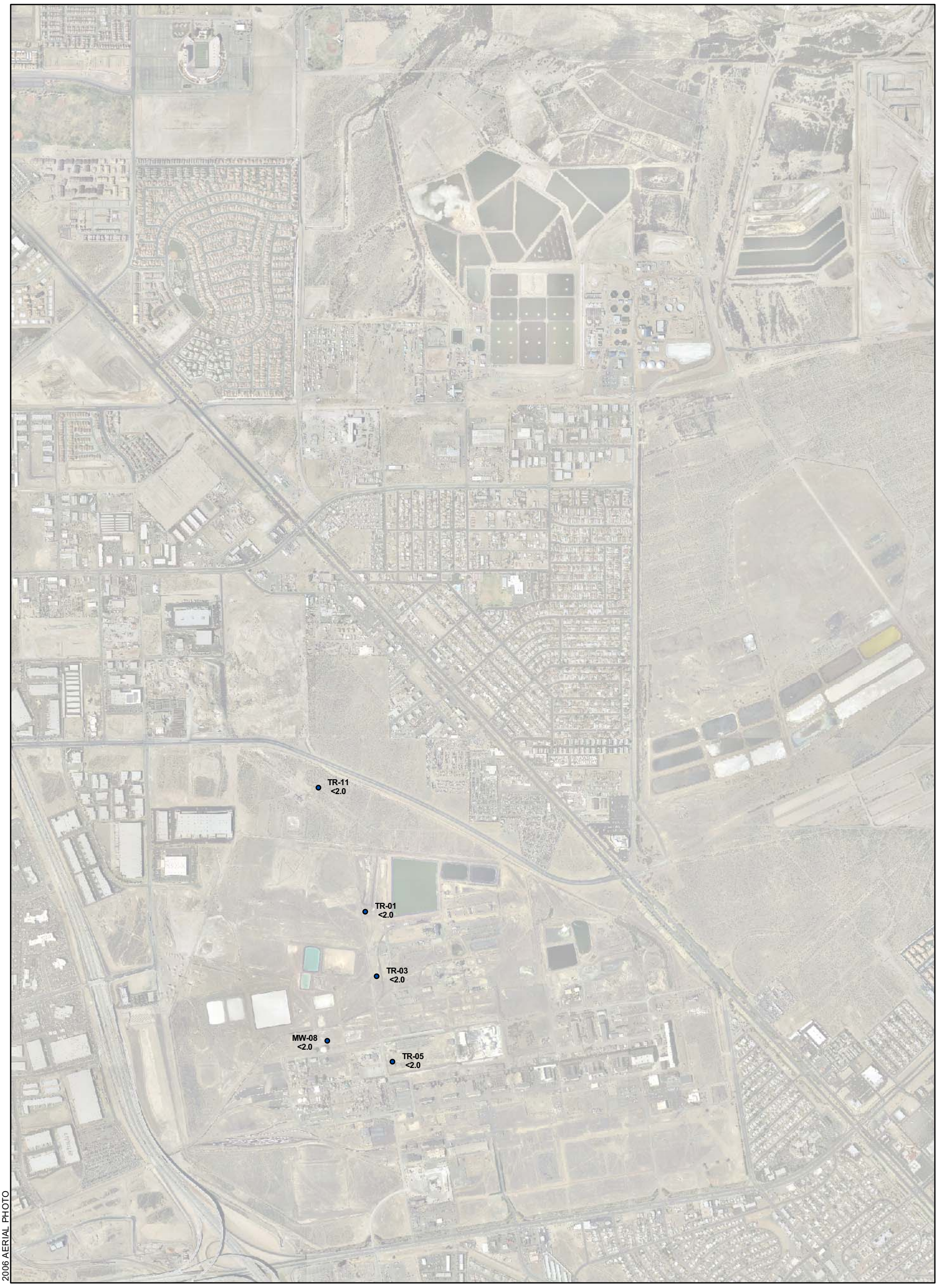
BENZENE
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 21

PREP BY RGW REV BY BRW RPT NO 1012.03 | Benzene-2ndWB.mxd



EXPLANATION

BENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- <5 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 5.0 - 10 ug/l
- 10 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

TR-05 <2.0 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

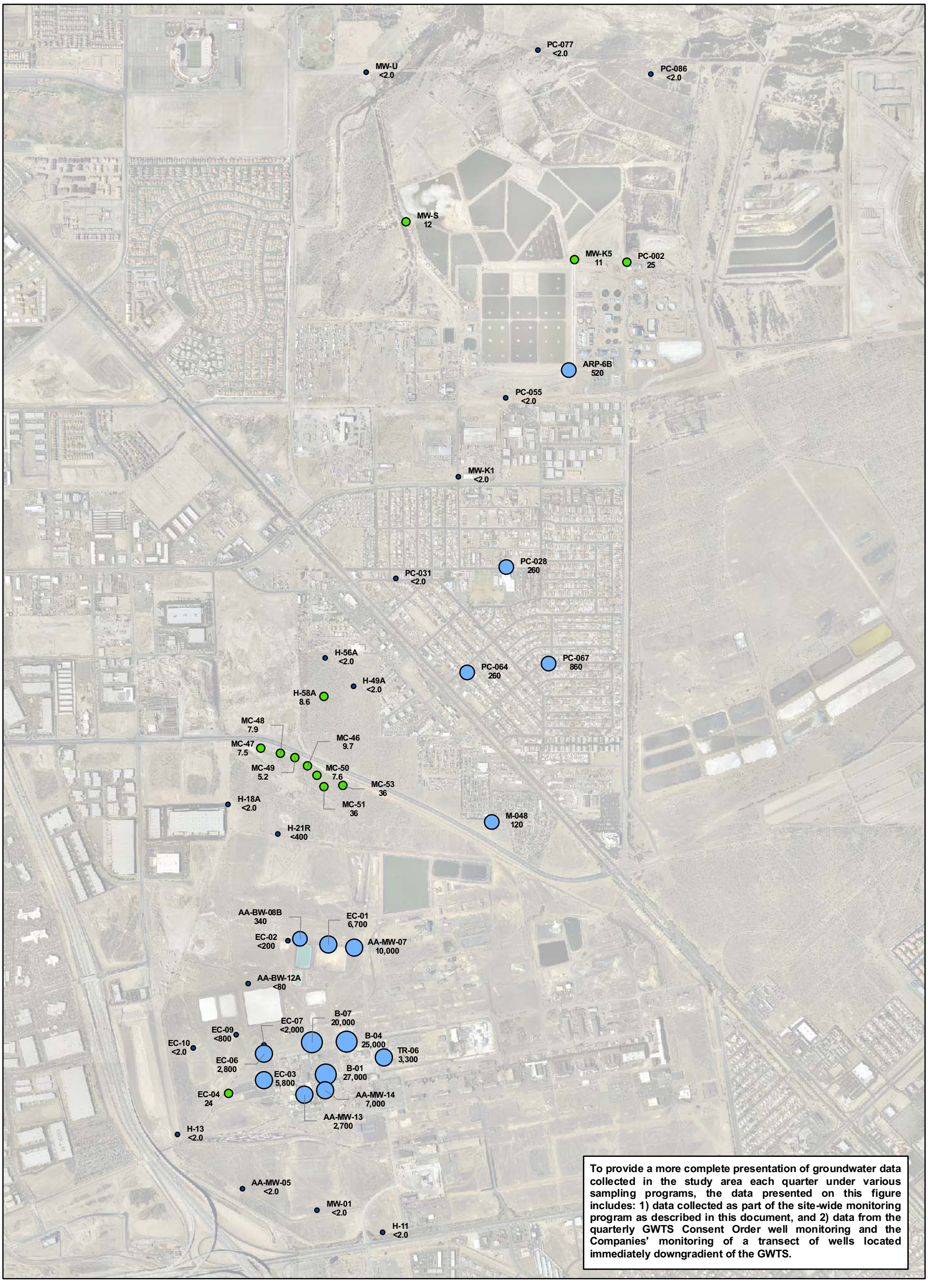
BENZENE
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 22

PREP BY RGW REV BY BRW RPT NO 1012.03 Benzene-3rdWB.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

CHLOROFORM CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 80 ug/l (MAXIMUM CONTAMINANT LEVEL FOR TTHM)
- 80 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

H-11 MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l MICROGRAMS PER LITER

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

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

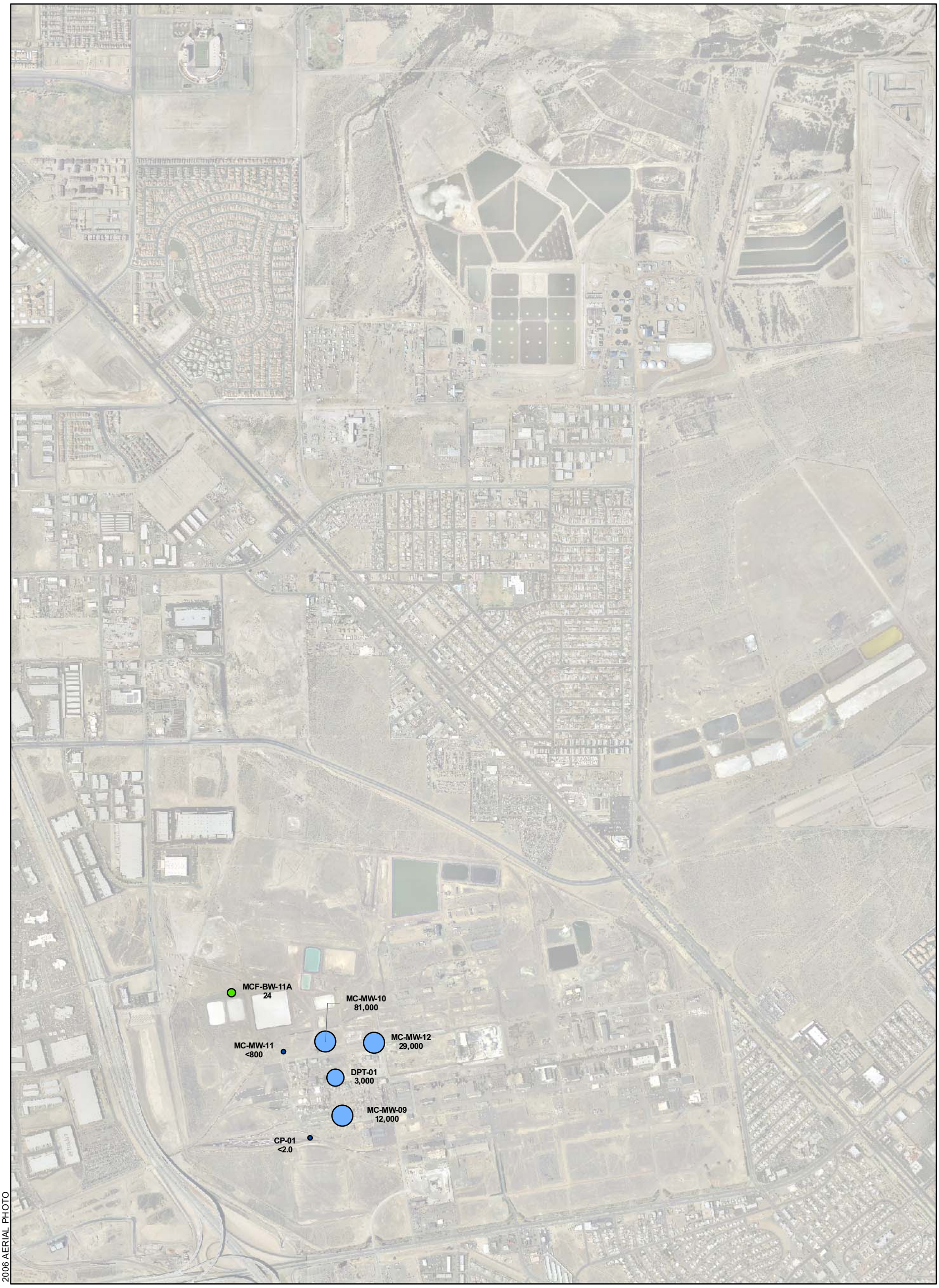
CHLOROFORM
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 23

PREP BY RGW REV BY BRW RPT NO 1012.03 Chloroform-Alluvial.mxd



EXPLANATION

CHLOROFORM CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 80 ug/l (MAXIMUM CONTAMINANT LEVEL FOR TTHM)
- 80 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

CP-01 MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l MICROGRAMS PER LITER

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

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

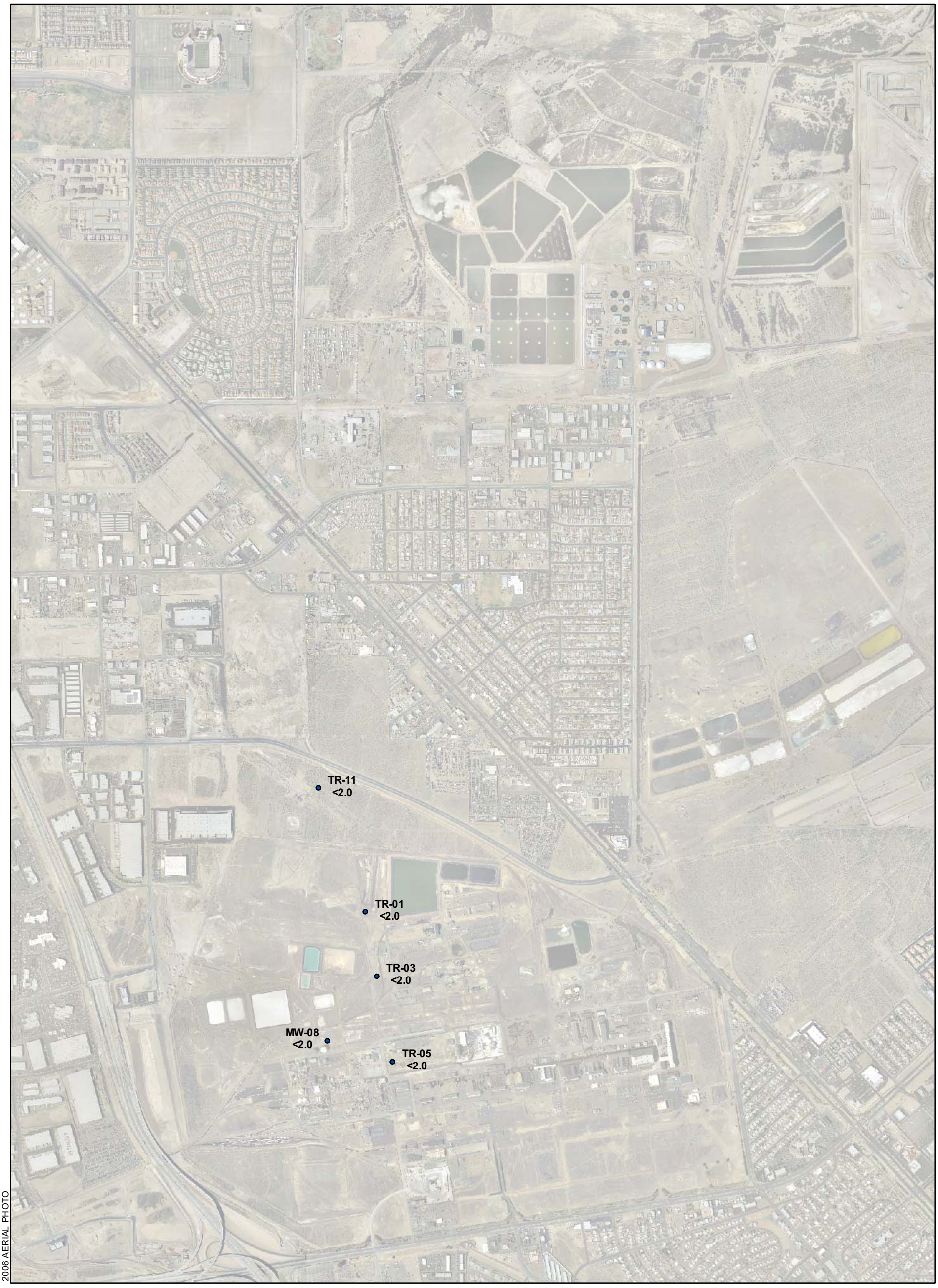
CHLOROFORM
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 24

PREP BY RGW REV BY BRW RPT NO 1012.03 chloroform-2ndWB.mxd



EXPLANATION

CHLOROFORM CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 80 ug/l (MAXIMUM CONTAMINANT LEVEL FOR TTHM)
- 80 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

TR-05 <2.0 — MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l — MICROGRAMS PER LITER

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

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

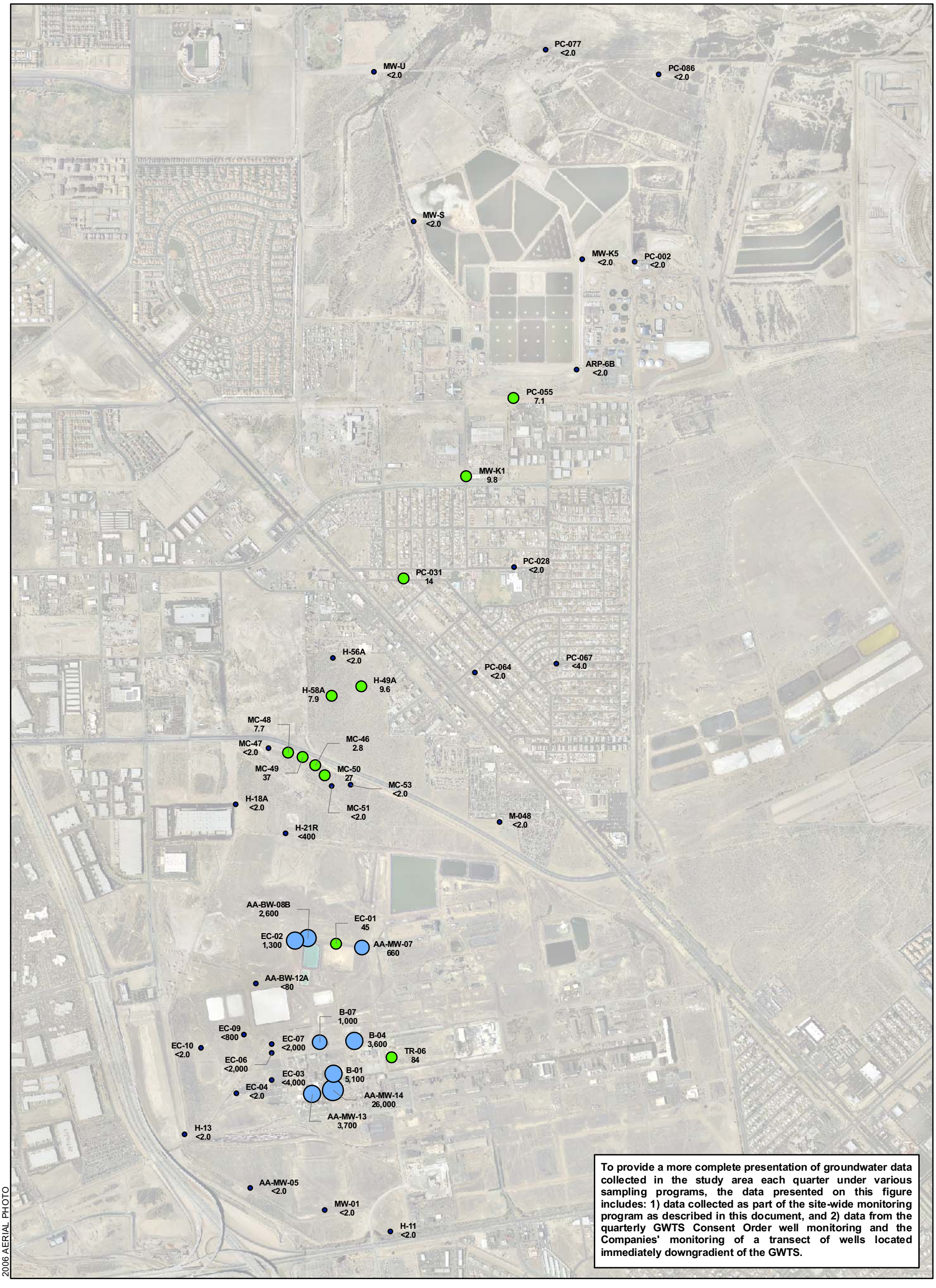
CHLOROFORM
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 25

PREP BY RGW REV BY BRW RPT NO 1012.03 Chloroform-3rdWB.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 600 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 600 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

H-11 <2.0 — MONITOR WELL IDENTIFIER; CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

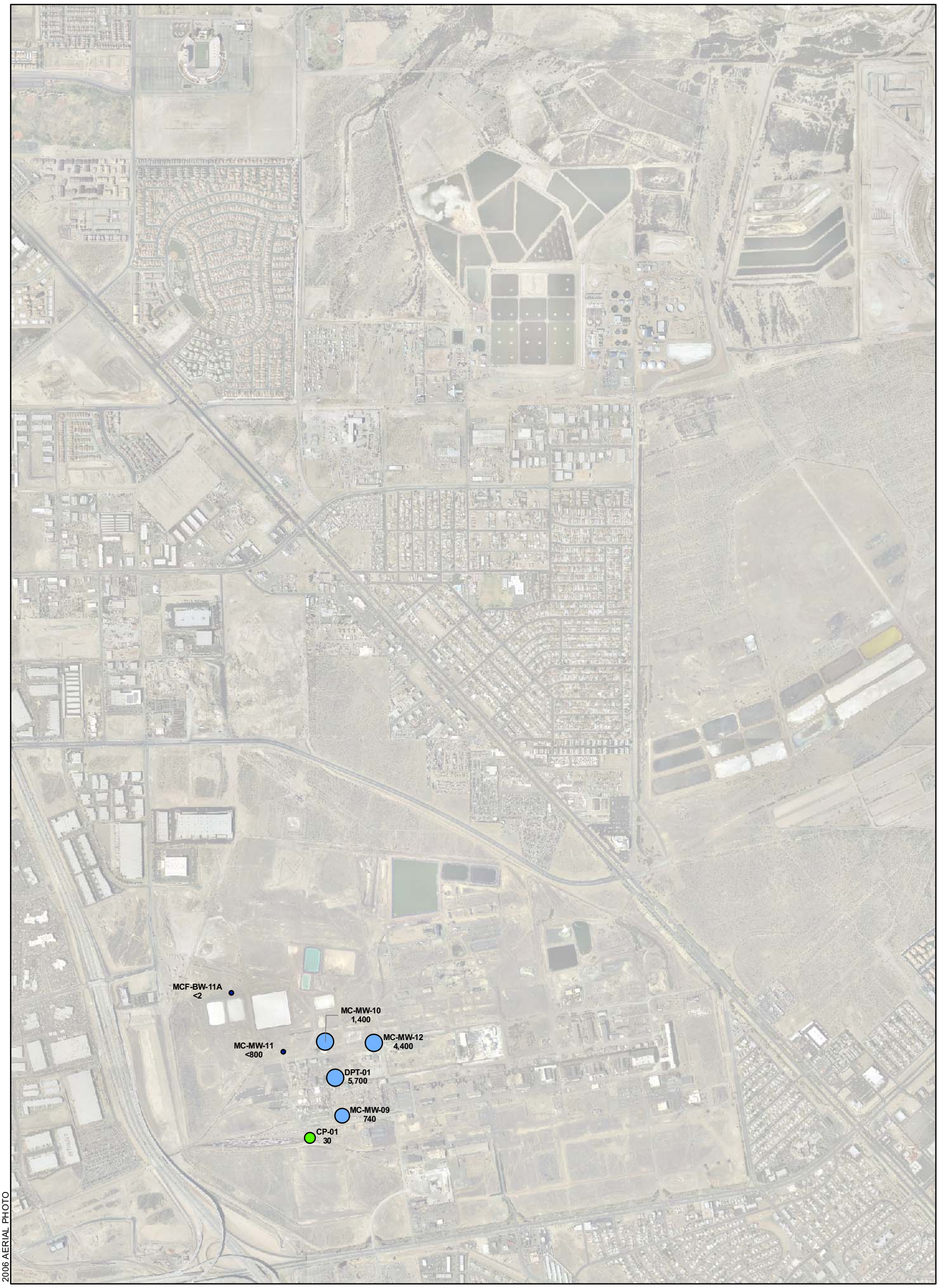
1,2-DICHLOROBENZENE
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 26

PREP BY RGW REV BY BRW RPT NO 1012.03 | 12DCB-Alluvial.mxd



EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 600 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 600 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

CP-01 30 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

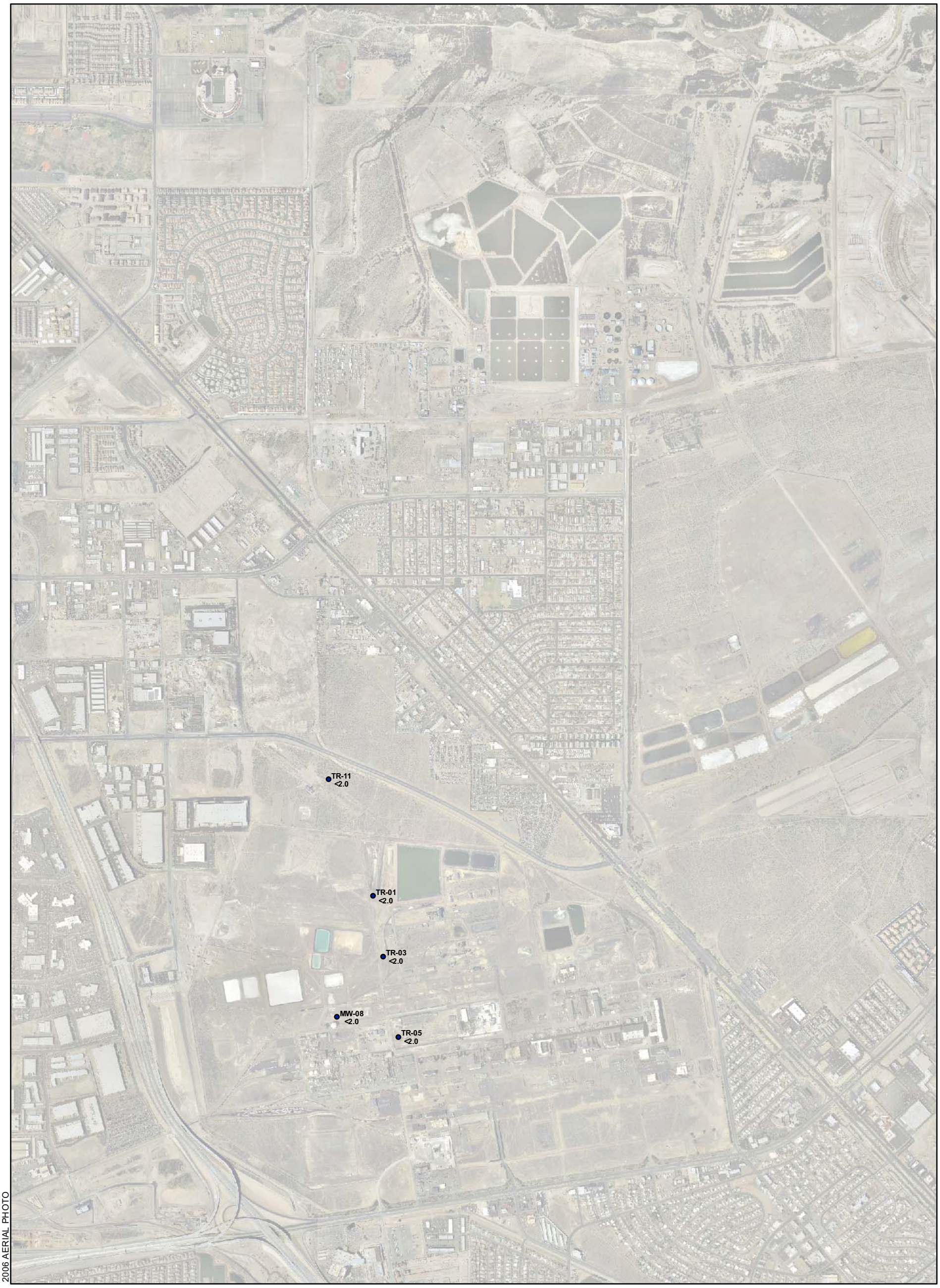
1,2-DICHLOROBENZENE
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 27

PREP BY RGW REV BY BRW RPT NO 1012.03 12DCB-2ndWB.mxd



EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 600 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 600 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

TR-05 <2.0 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

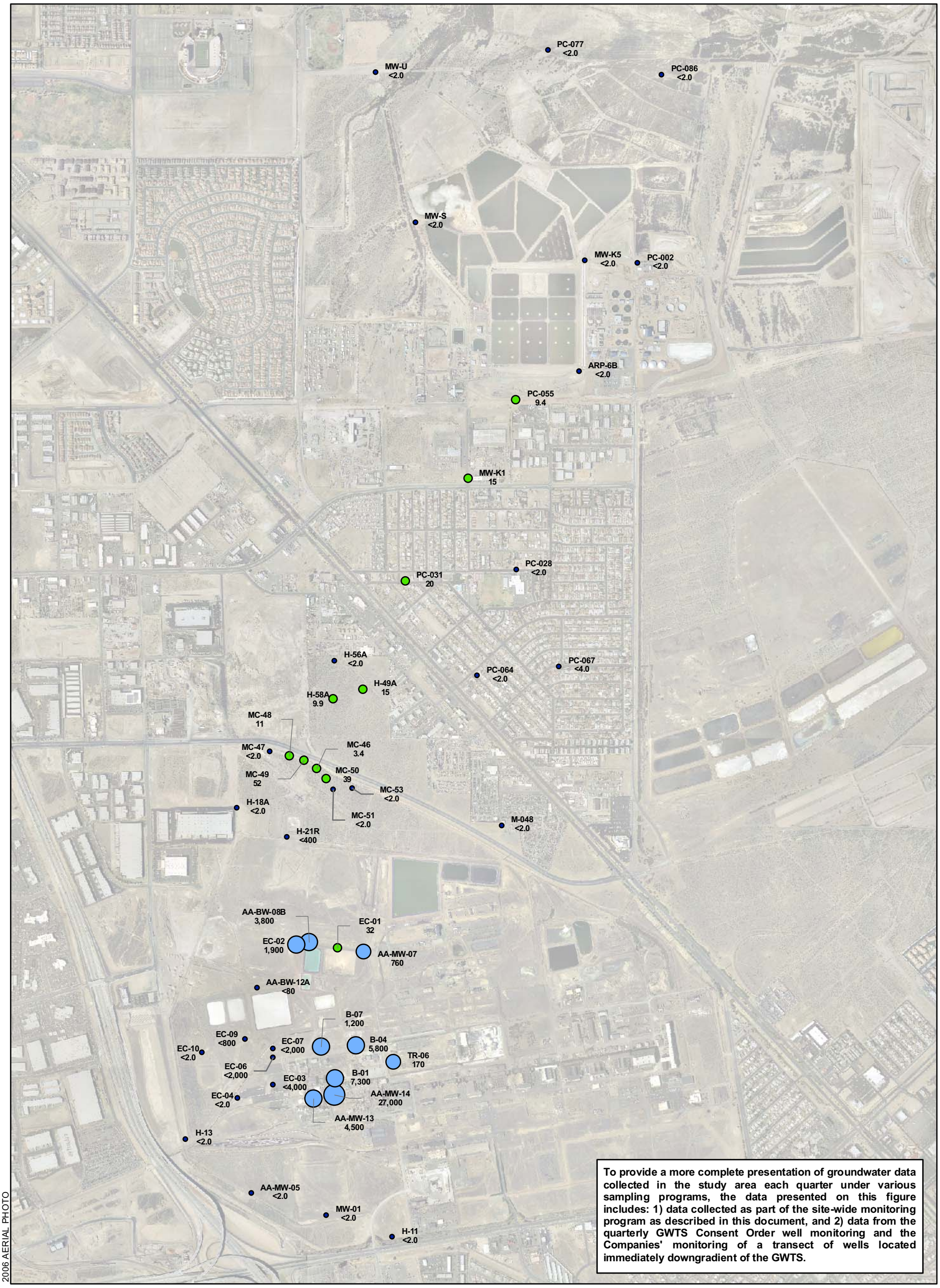
1,2-DICHLOROBENZENE
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 28

PREP BY RGW REV BY BRW RPT NO 1012.03 | 12DCB-3rdWB.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 75 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 75 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

H-11 <2.0 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,4-DICHLOROBENZENE
ALLUVIAL AQUIFER
SECOND QUARTER 2008

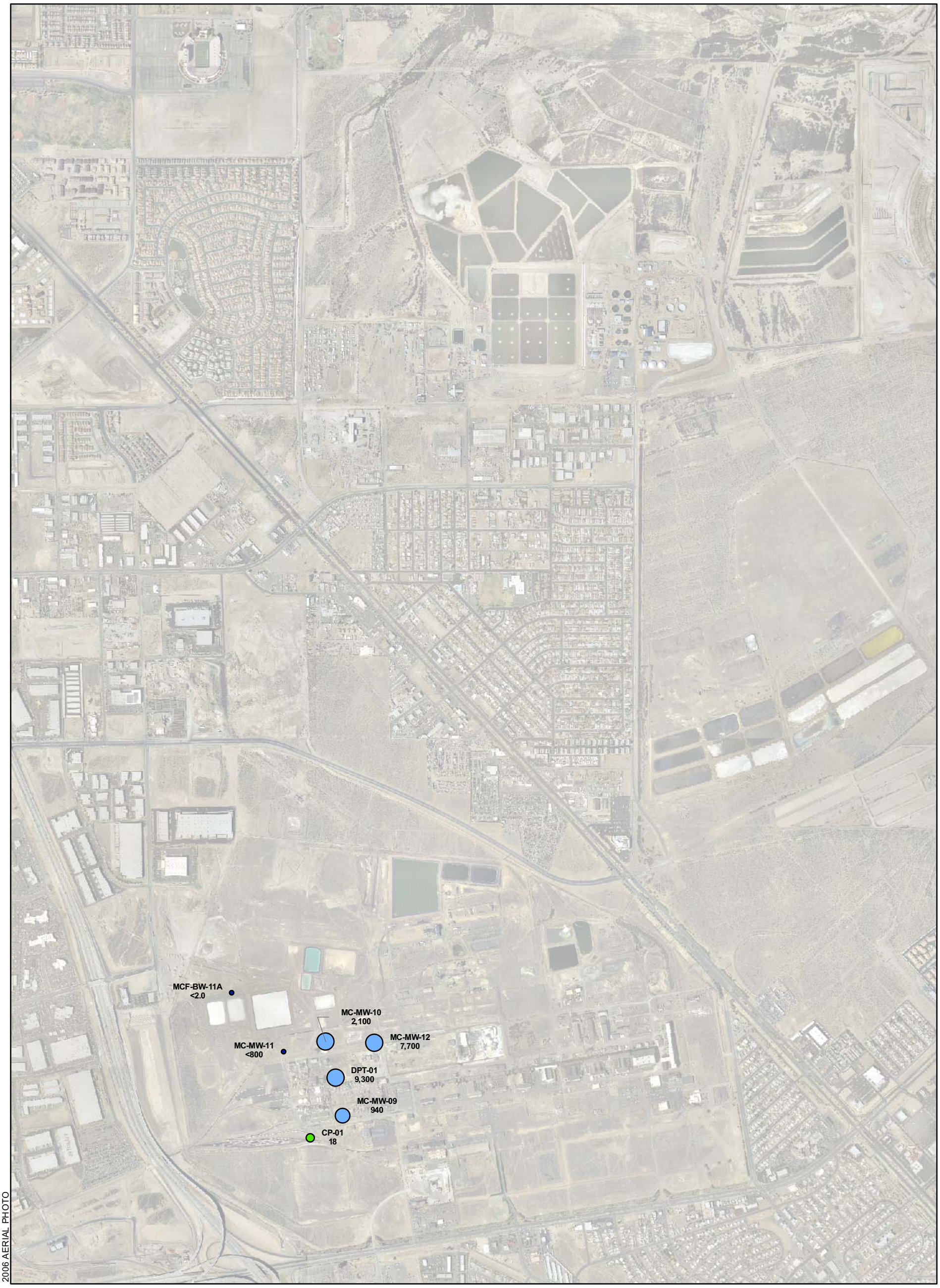
HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 29

PREP BY RGW REV BY BRW RPT NO 1012.03

14DCB-Alluvial.mxd



EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 75 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 75 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

CP-01 18 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

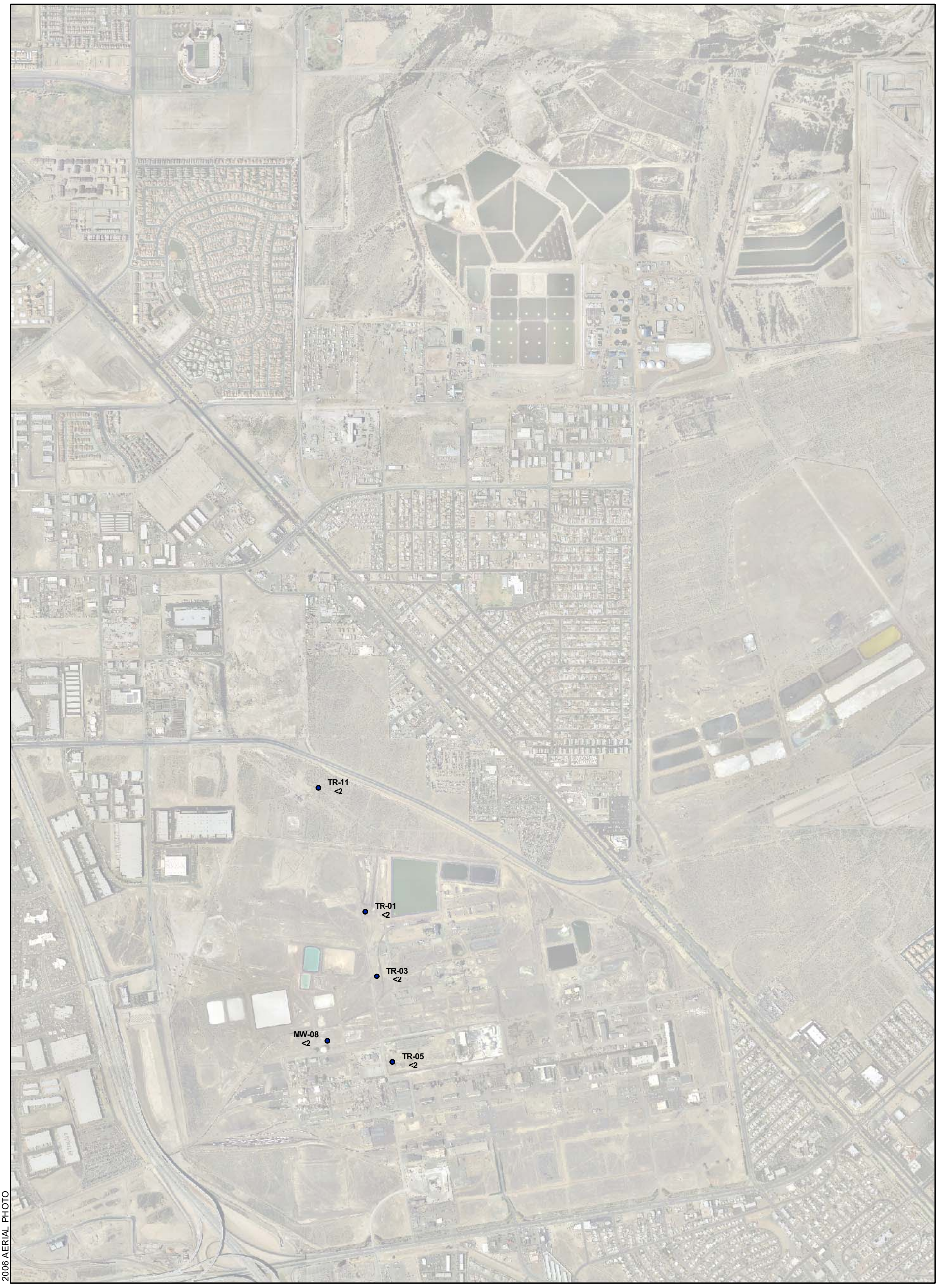
1,4-DICHLOROBENZENE
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 30

PREP BY RGW REV BY BRW RPT NO 1012.03 | 14DCB-2ndWB.mxd



EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION
EPA METHOD: 8260B

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 75 ug/l (MAXIMUM CONTAMINANT LEVEL)
- 75 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 100,000 ug/l
- > 100,000 ug/l

TR-05 <2.0 — MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

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

ug/l — MICROGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,4-DICHLOROBENZENE
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

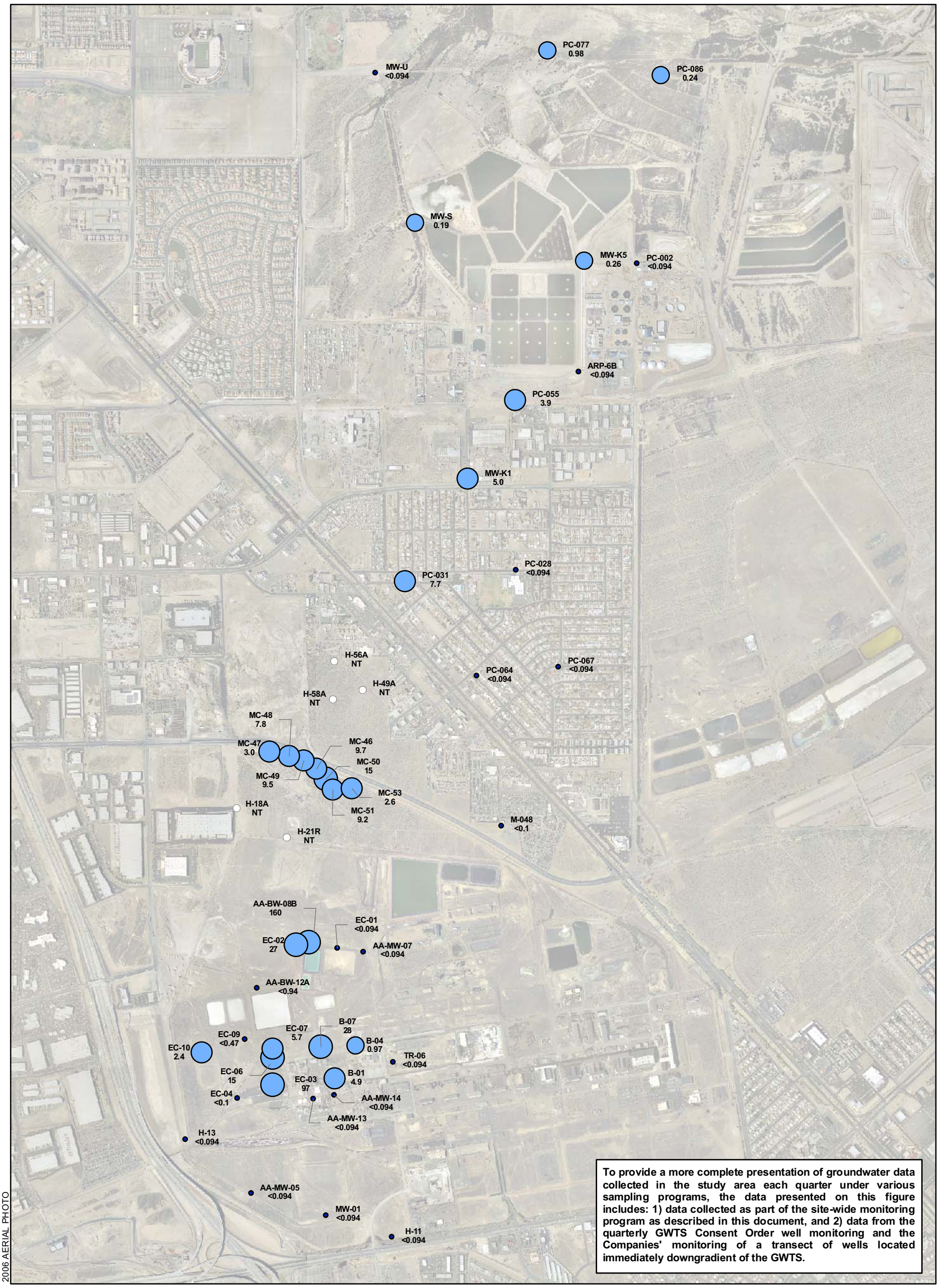
HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 31

PREP BY RGW REV BY BRW RPT NO 1012.03

14DCB-3rdWB.mxd



To provide a more complete presentation of groundwater data collected in the study area each quarter under various sampling programs, the data presented on this figure includes: 1) data collected as part of the site-wide monitoring program as described in this document, and 2) data from the quarterly GWTS Consent Order well monitoring and the Companies' monitoring of a transect of wells located immediately downgradient of the GWTS.

EXPLANATION

BETA-BHC CONCENTRATION
EPA METHOD: 8081A

- NOT TESTED
- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.037 ug/L (PRG)
- 0.037 - 0.1 ug/l
- 0.1 - 1.0 ug/l
- 1.0 - 10 ug/l
- > 10 ug/l

H-11 <0.094 — MONITOR WELL IDENTIFIER; CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

NT — SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER

ug/L — MICROGRAMS PER LITER

PRG — EPA REGION IX & REGION VI PRELIMINARY REMEDIATION GOAL FOR TAP WATER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

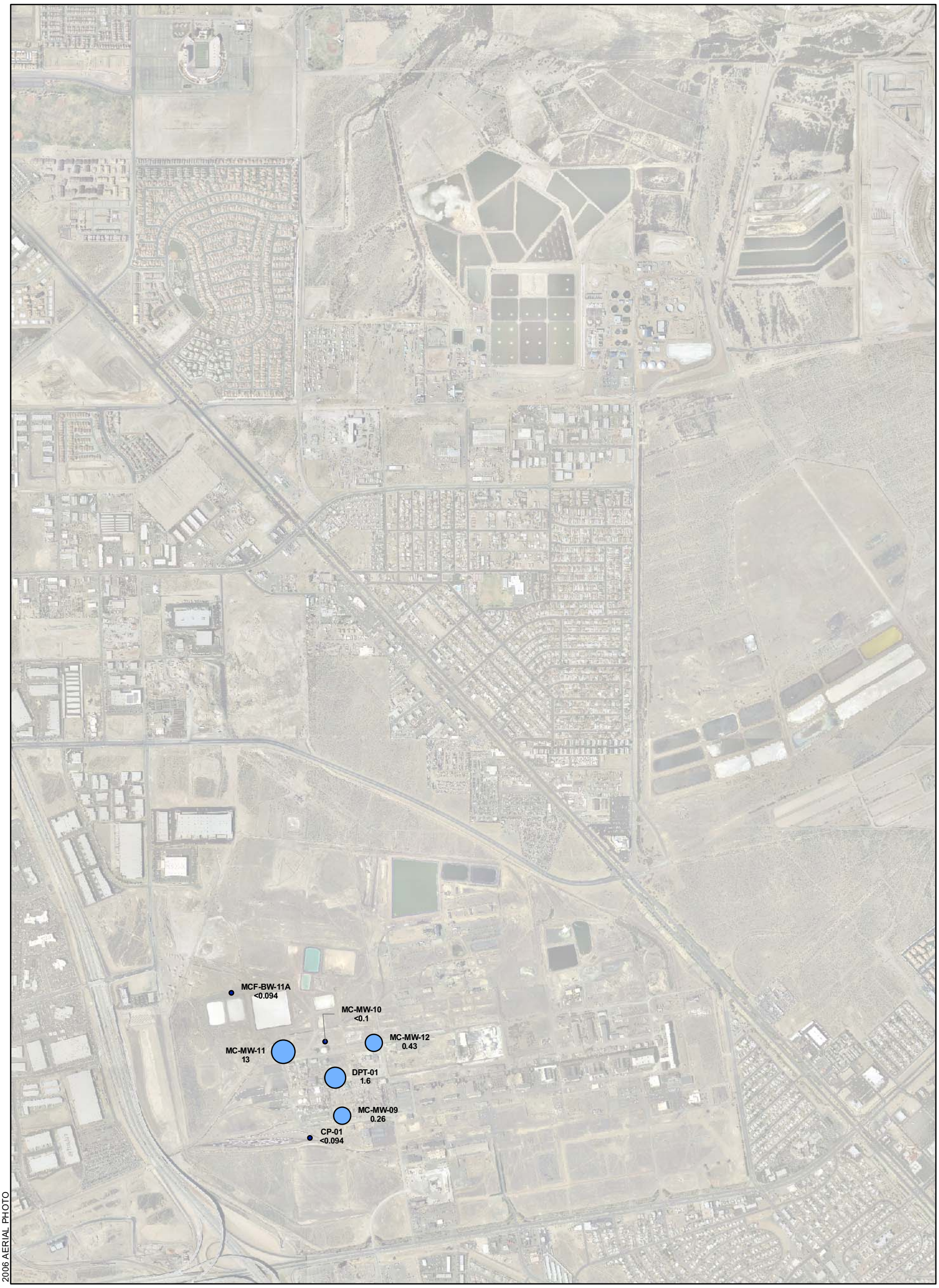
BETA-BHC
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 32

PREP BY RGW REV BY BRW RPT NO 1012.03 BBHC-Alluvial.mxd



EXPLANATION

BETA-BHC CONCENTRATION
EPA METHOD: 8081A

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.037 ug/L (PRG)
- 0.037 - 0.1 ug/l
- 0.1 - 1.0 ug/l
- 1.0 - 10 ug/l
- > 10 ug/l

CP-01 MONITOR WELL IDENTIFIER
<0.094 CONCENTRATION IN MICROGRAMS PER LITER
APRIL 2008

ug/L MICROGRAMS PER LITER

PRG EPA REGION IX & REGION VI PRELIMINARY REMEDIATION GOAL FOR TAP WATER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

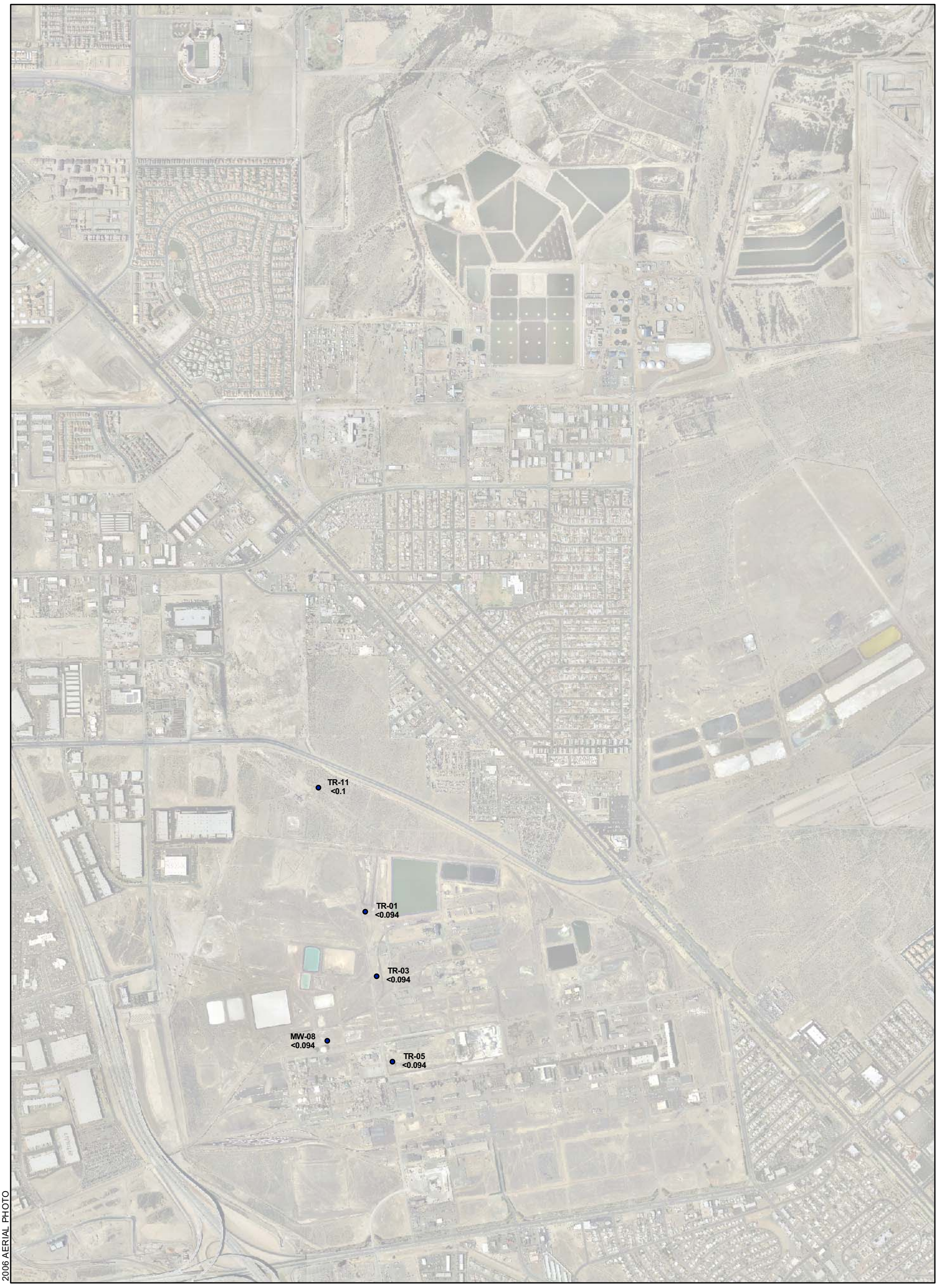
BETA-BHC
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 33

PREP BY RGW REV BY BRW RPT NO 1012.03 BBHC-Second WBZ.mxd



EXPLANATION

BETA-BHC CONCENTRATION
EPA METHOD: 8081A

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.037 ug/L (PRG)
- 0.037 - 0.1 ug/l
- 0.1 - 1.0 ug/l
- 1.0 - 10 ug/l
- > 10 ug/l

TR-05 MONITOR WELL IDENTIFIER
<0.094 CONCENTRATION IN MICROGRAMS PER LITER APRIL 2008

ug/L MICROGRAMS PER LITER

PRG EPA REGION IX & REGION VI PRELIMINARY REMEDIATION GOAL FOR TAP WATER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

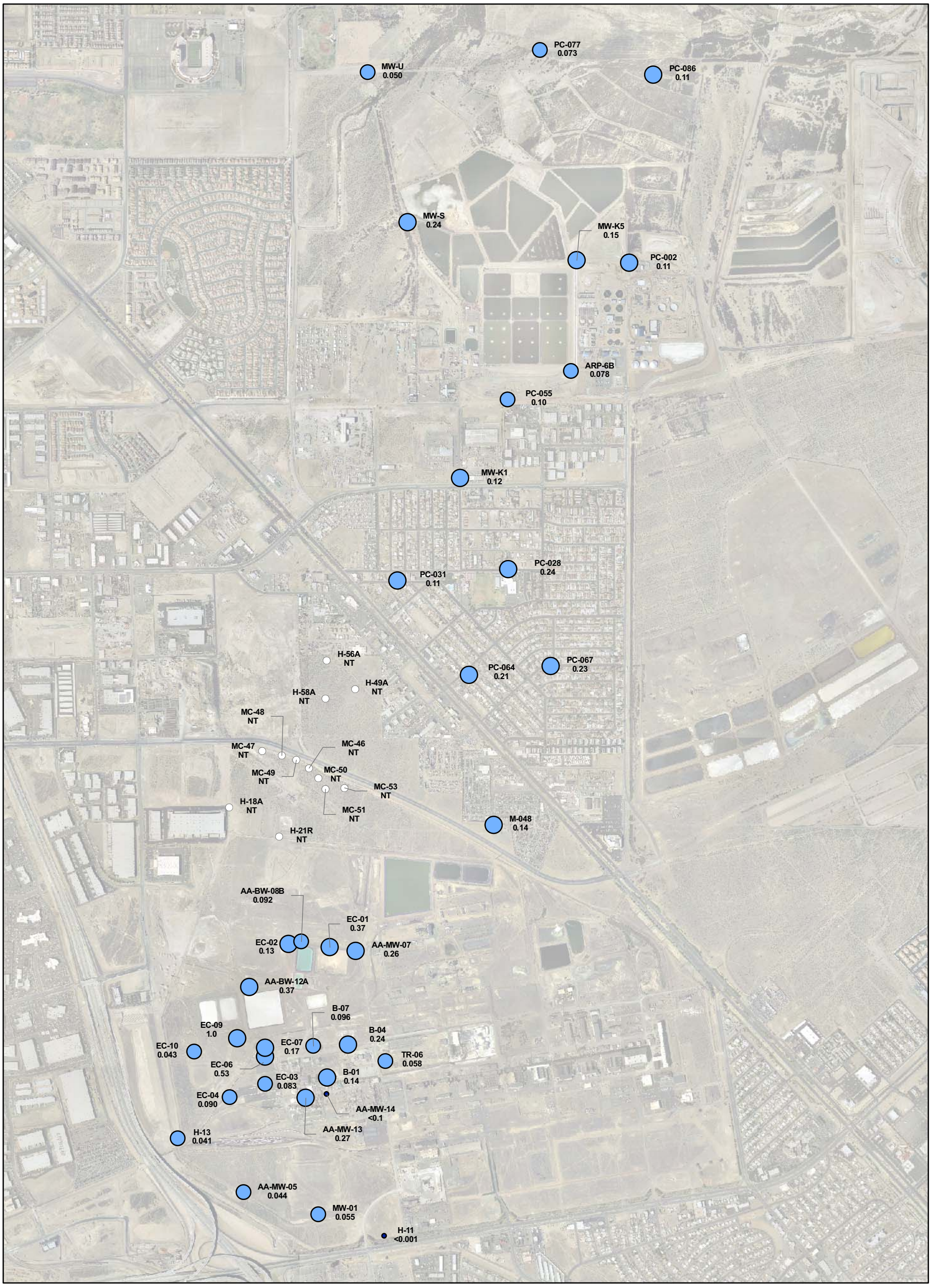
BETA-BHC
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 34

PREP BY RGW REV BY BRW RPT NO 1012.03 BBHC-third WBZ.mxd



2006 AERIAL PHOTO

EXPLANATION

ARSENIC CONCENTRATION
EPA METHOD: 6010 OR 6020

- NOT TESTED
- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.010 mg/l (MAXIMUM CONTAMINANT LEVEL)
- 0.010 - 0.1 mg/l
- 0.1 - 1.0 mg/l
- 1.0 - 10 mg/l
- > 10 mg/l

H-11 MONITOR WELL IDENTIFIER
<0.001 CONCENTRATION IN MILLIGRAMS PER LITER APRIL 2008

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

NT SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER

mg/L MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

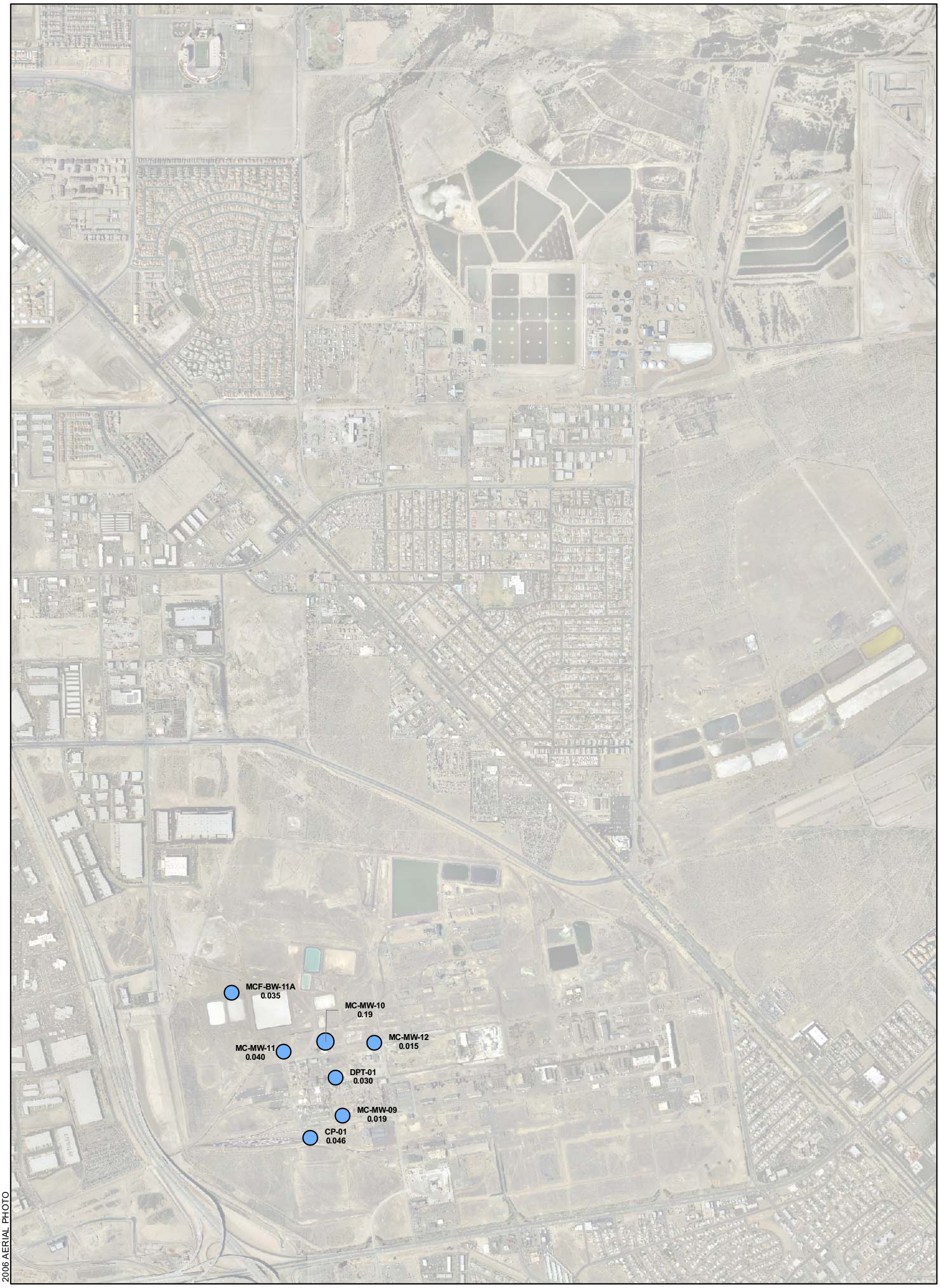
ARSENIC
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 35

PREP BY RGW REV BY BRW RPT NO 1012.03 MCB-Alluvial.mxd



EXPLANATION

ARSENIC CONCENTRATION
EPA METHOD: 6020 OR 6010

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.010 mg/l (MAXIMUM CONTAMINANT LEVEL)
- 0.010 - 0.1 mg/l
- 0.1 - 1.0 mg/l
- 1.0 - 10 mg/l
- > 10 mg/l

CP-01 MONITOR WELL IDENTIFIER
0.046 CONCENTRATION IN MILLIGRAMS PER LITER APRIL 2008

mg/L MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

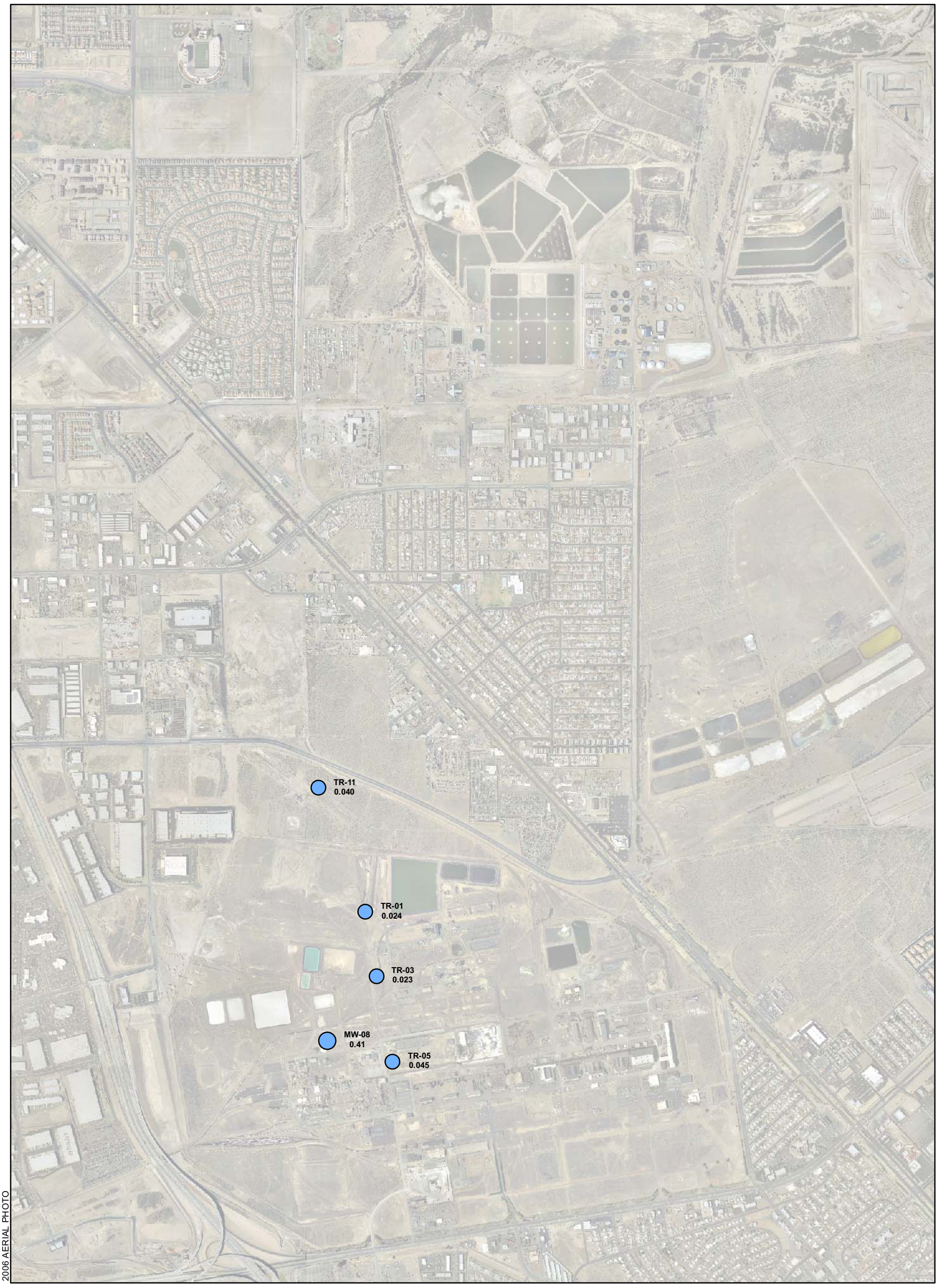
ARSENIC
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 36

PREP BY RGW REV BY BRW RPT NO 1012.03 AS-SecondWBZ.mxd



EXPLANATION

ARSENIC CONCENTRATION
EPA METHOD: 6020 OR 6010

- NON-DETECTABLE AT THE REPORTING LIMIT
- < 0.010 mg/l (MAXIMUM CONTAMINANT LEVEL)
- 0.010 - 0.1 mg/l
- 0.1 - 1.0 mg/l
- 1.0 - 10 mg/l
- > 10 mg/l

TR-05 MONITOR WELL IDENTIFIER
0.045 CONCENTRATION IN MILLIGRAMS PER LITER
APRIL 2008

mg/L MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

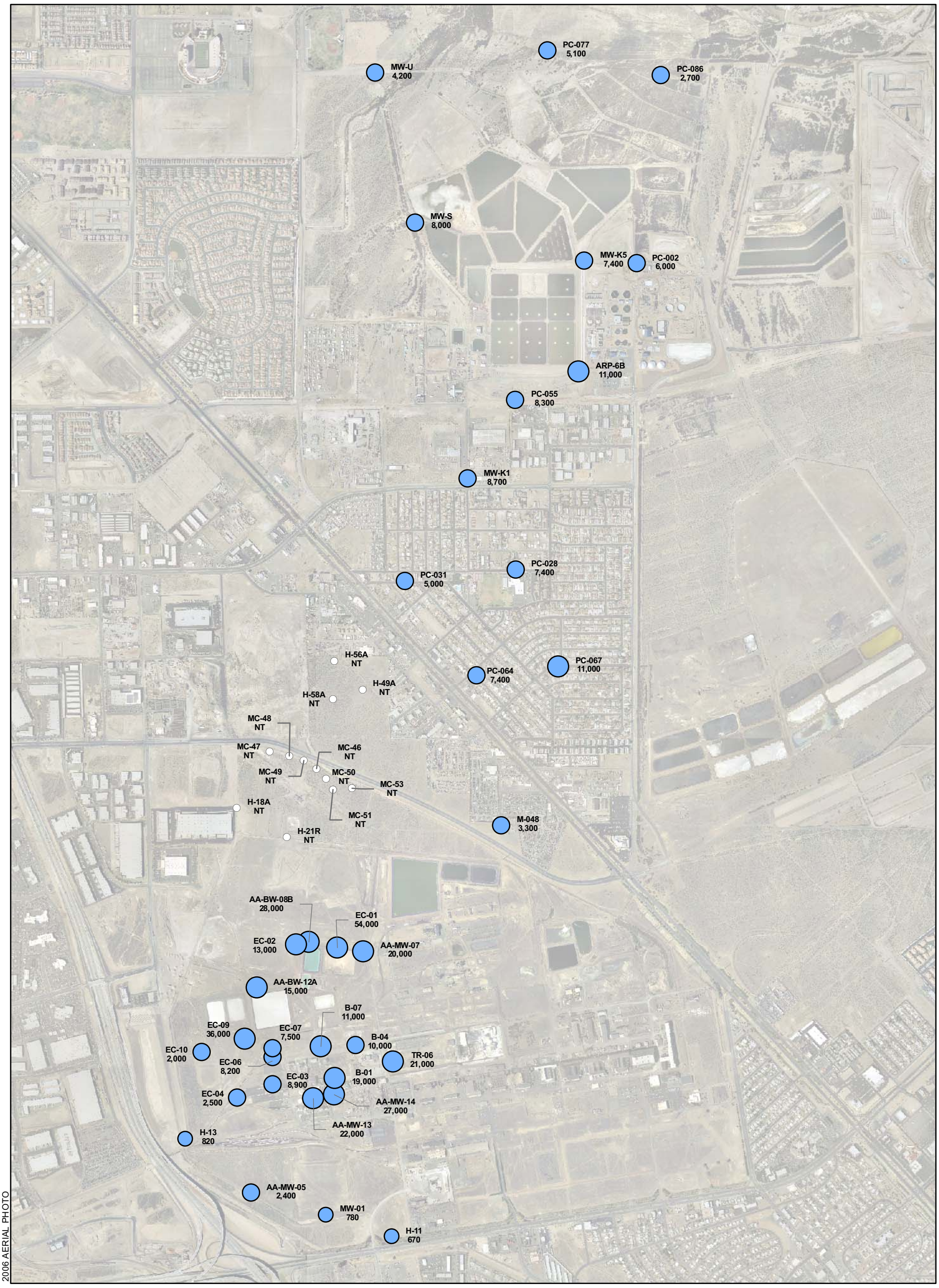
ARSENIC
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 37

PREP BY RGW REV BY BRW RPT NO 1012.03 AS-THIRDWBZ.mxd



2006 AERIAL PHOTO

EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION
EPA METHOD: 160.1

- NOT TESTED
- < 500 mg/l (SECONDARY MAXIMUM CONTAMINANT LEVEL)
- 500 - 1,000 mg/l
- 1,000 - 10,000 mg/l
- 10,000 - 100,000 mg/l
- > 100,000 mg/l

H-11 670 — MONITOR WELL IDENTIFIER; CONCENTRATION IN MILLIGRAMS PER LITER APRIL 2008

NT — SAMPLES COLLECTED FROM WELL NOT TESTED FOR THIS PARAMETER

mg/L — MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

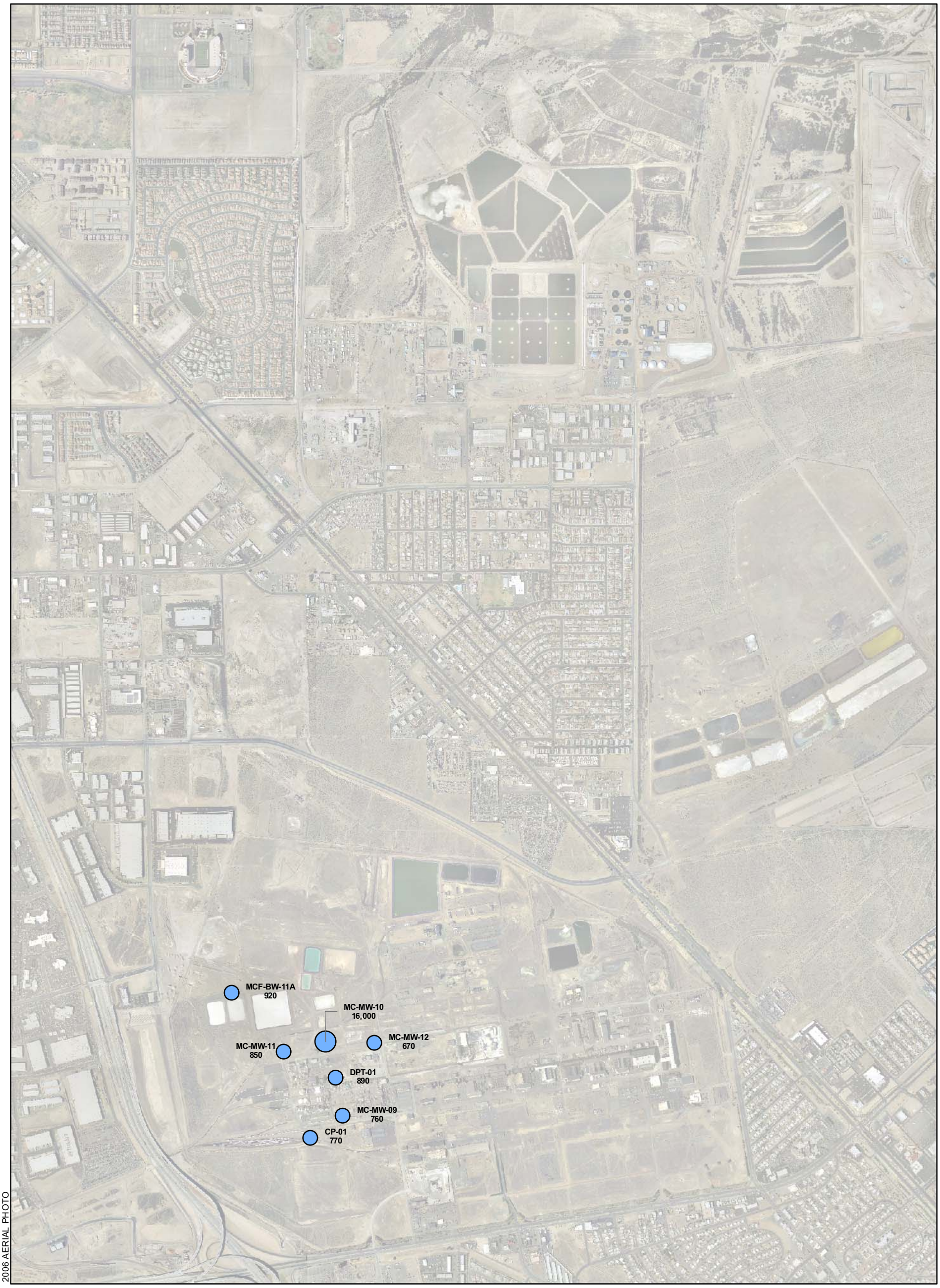
TOTAL DISSOLVED SOLIDS
ALLUVIAL AQUIFER
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 38

PREP BY RGW REV BY BRW RPT NO 1012.03 TDS-Alluvial.mxd



EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION
EPA METHOD: 160.1

- < 500 mg/l (SECONDARY MAXIMUM CONTAMINANT LEVEL)
- 500 - 1,000 mg/l
- 1,000 - 10,000 mg/l
- 10,000 - 100,000 mg/l
- > 100,000 mg/l

CP-01 770 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MILLIGRAMS PER LITER
APRIL 2008

mg/L — MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

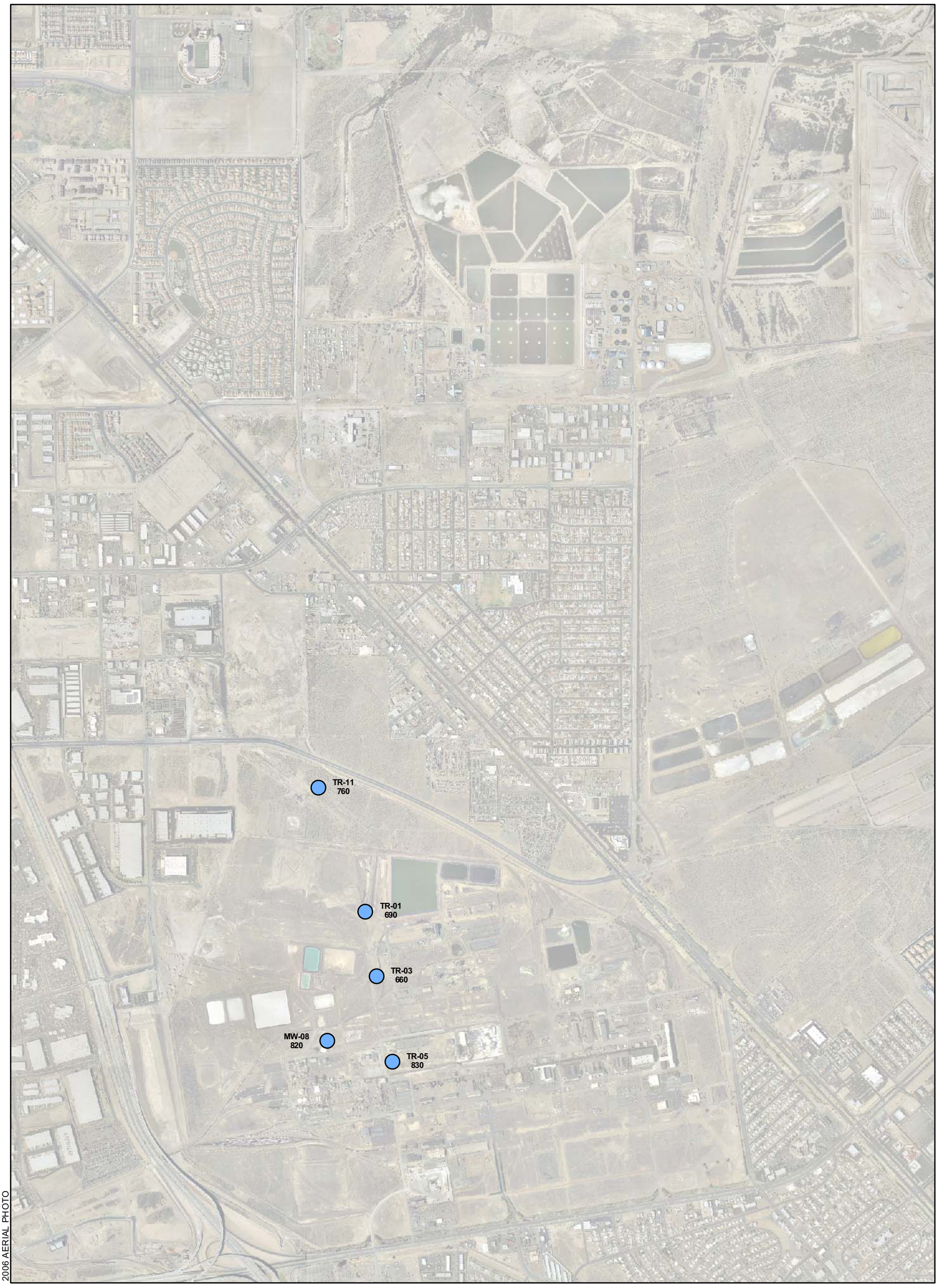
TOTAL DISSOLVED SOLIDS
FINE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 39

PREP BY RGW REV BY BRW RPT NO 1012.03 TDS-Second WBZ.mxd



EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION
EPA METHOD: 160.1

- < 500 mg/l (SECONDARY MAXIMUM CONTAMINANT LEVEL)
- 500 - 1,000 mg/l
- 1,000 - 10,000 mg/l
- 10,000 - 100,000 mg/l
- > 100,000 mg/l

TR-05 830 — MONITOR WELL IDENTIFIER
CONCENTRATION IN MILLIGRAMS PER LITER
APRIL 2008

mg/L — MILLIGRAMS PER LITER

N

0 750 1,500
Feet

SITE-WIDE GROUNDWATER MONITORING PROGRAM
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TOTAL DISSOLVED SOLIDS
COARSE-GRAINED
UPPER MUDDY CREEK FORMATION
SECOND QUARTER 2008

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

07/09/2008

FIGURE 40

PREP BY RGW REV BY BRW RPT NO 1012.03 TDS-THIRD WBZ.mxd