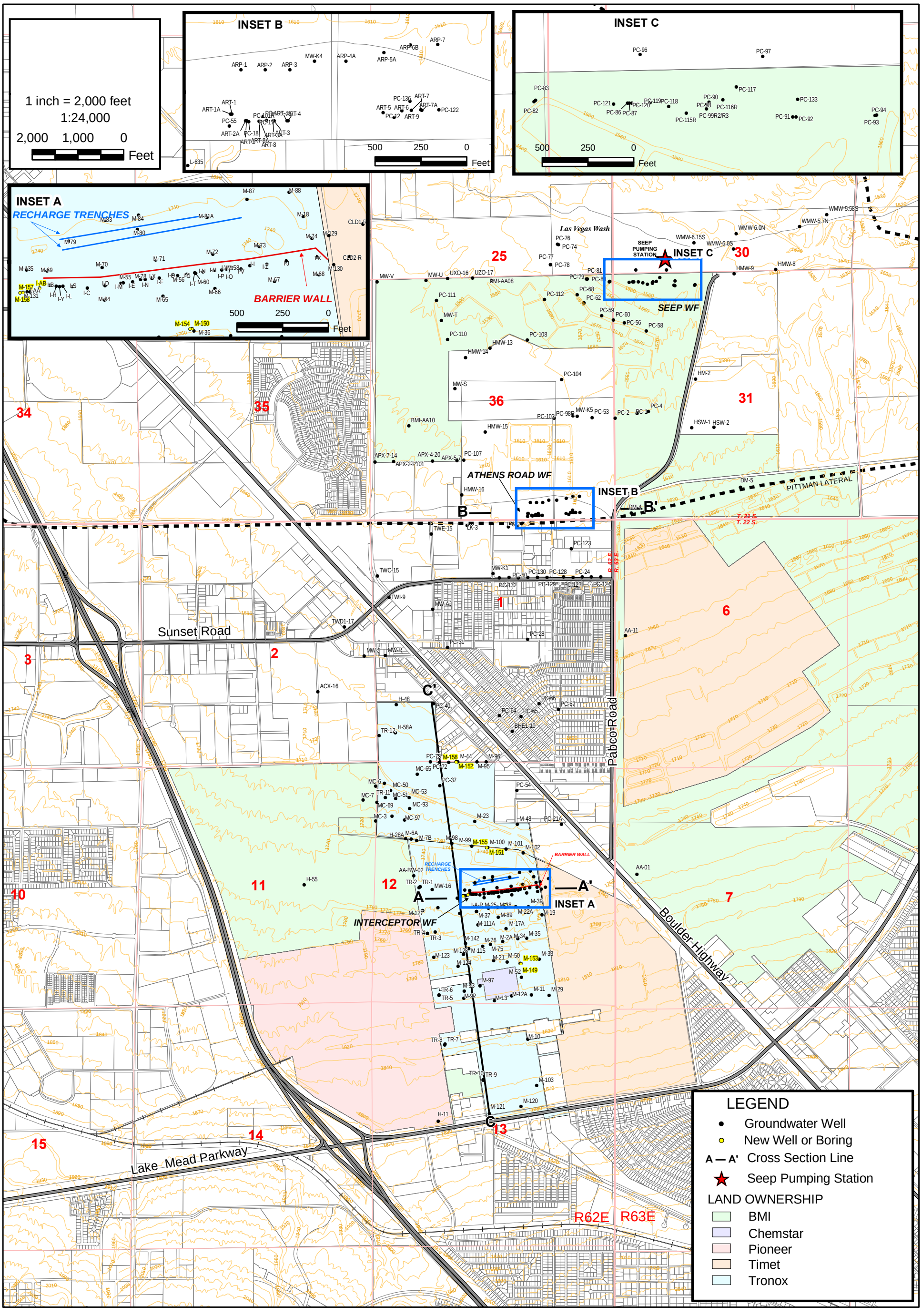

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LOCATION MAP

Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
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E. Krish	NO.:	DESCRIPTION:	DATE:	BY:
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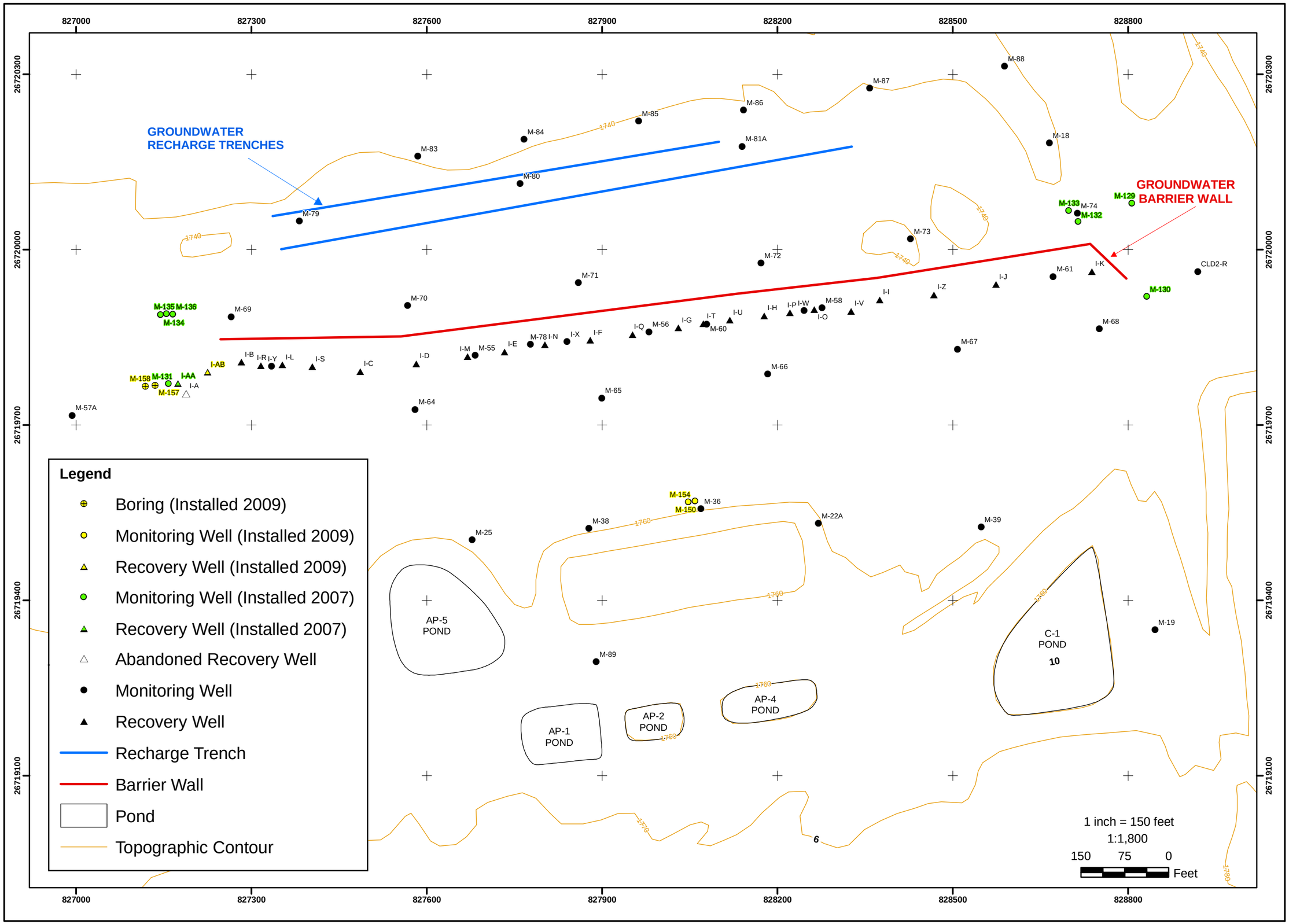

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INTERCEPTOR WELL FIELD
Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE: AS SHOWN
DATE: 12/22/09
PROJECT NUMBER: 2027.01

FIGURE NUMBER: 2

SHEET NUMBER: 1

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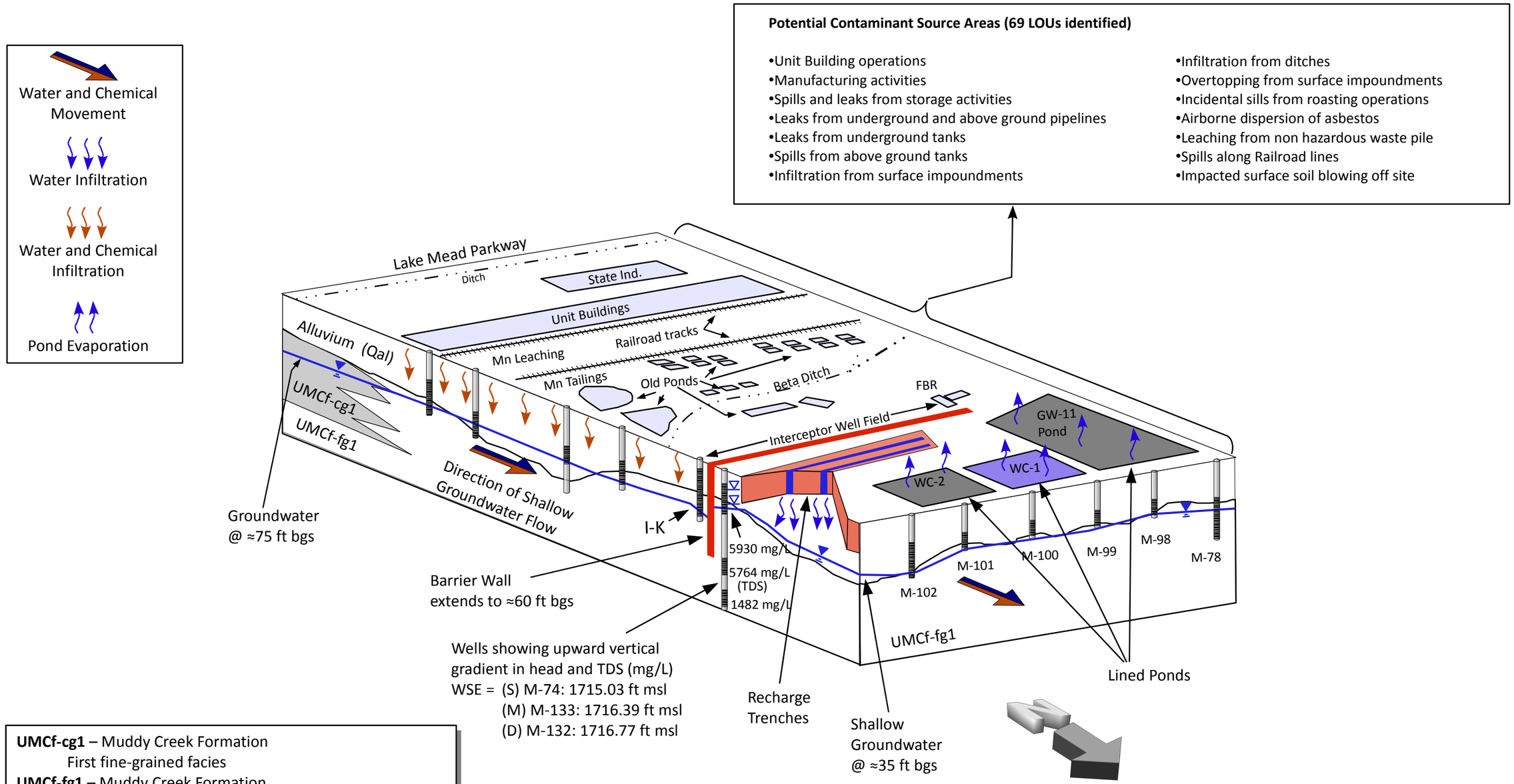

UMCf-cg1 – Muddy Creek Formation
First fine-grained facies
UMCf-fg1 – Muddy Creek Formation
First coarse-grained facies

(S) Shallow well
(M) Middle well
(D) Deep well

WSE = water surface elevation
ft msl – feet above mean sea level
ft bgs – feet below ground surface

Figure 3

Interceptor Well Field Block Diagram
Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility, Henderson Nevada

Data from May 2009
(Not to Scale)

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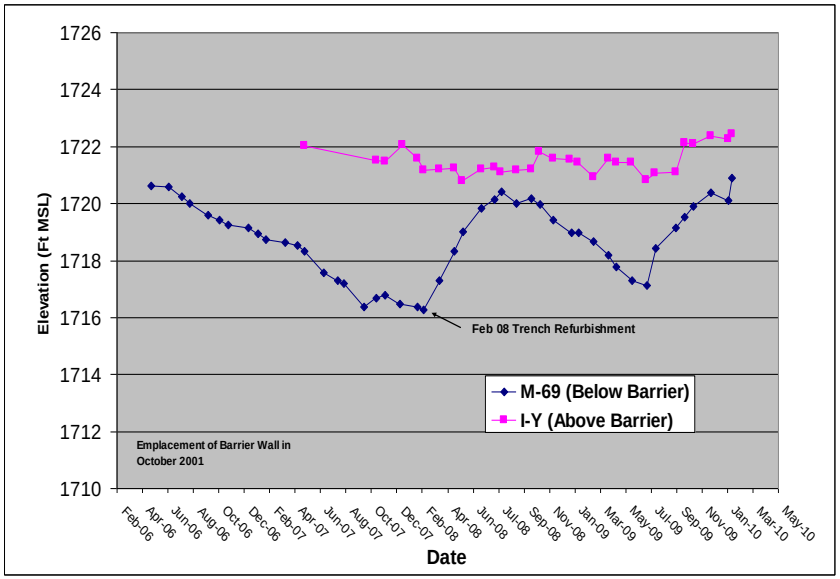
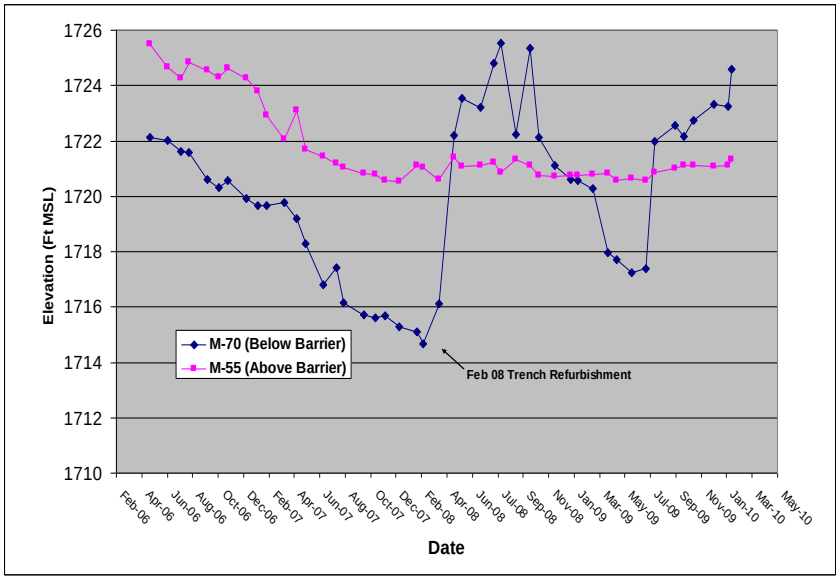
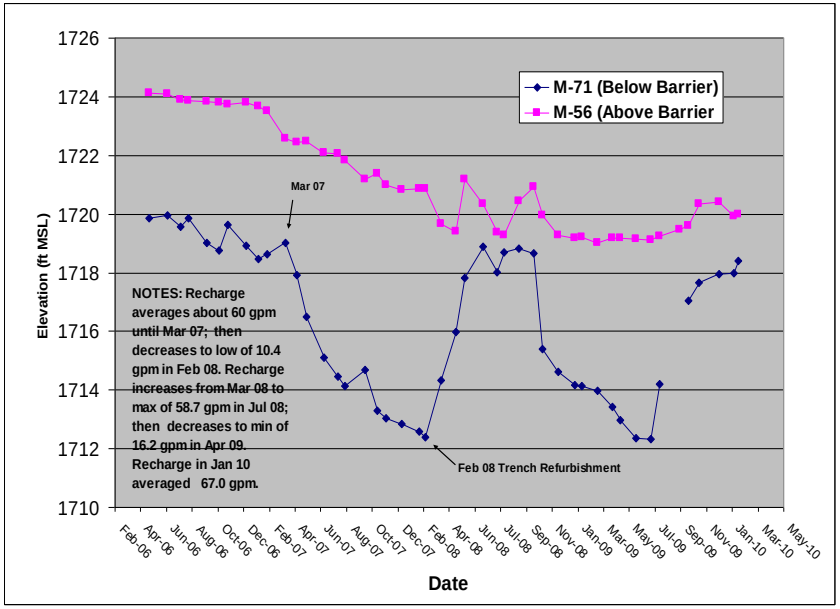
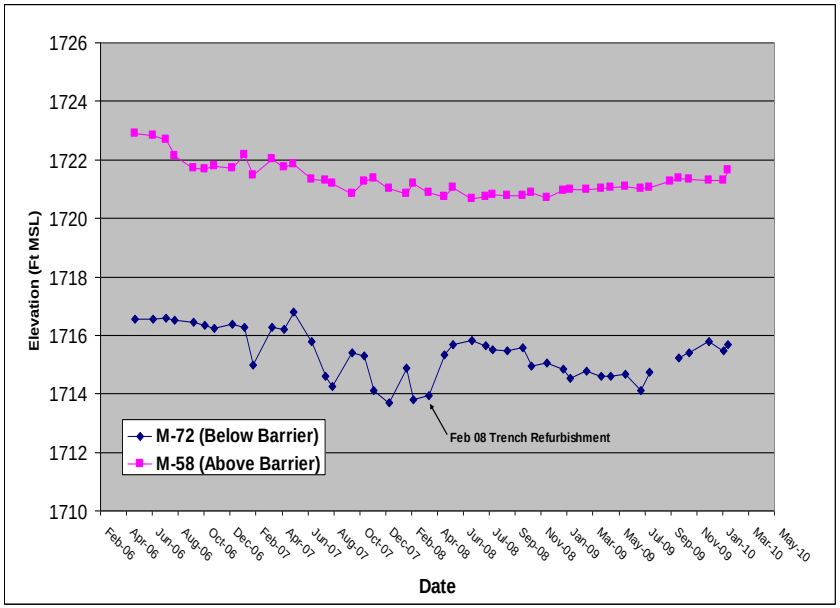
Figure 4: Hydrograph Pairs across the Barrier Wall

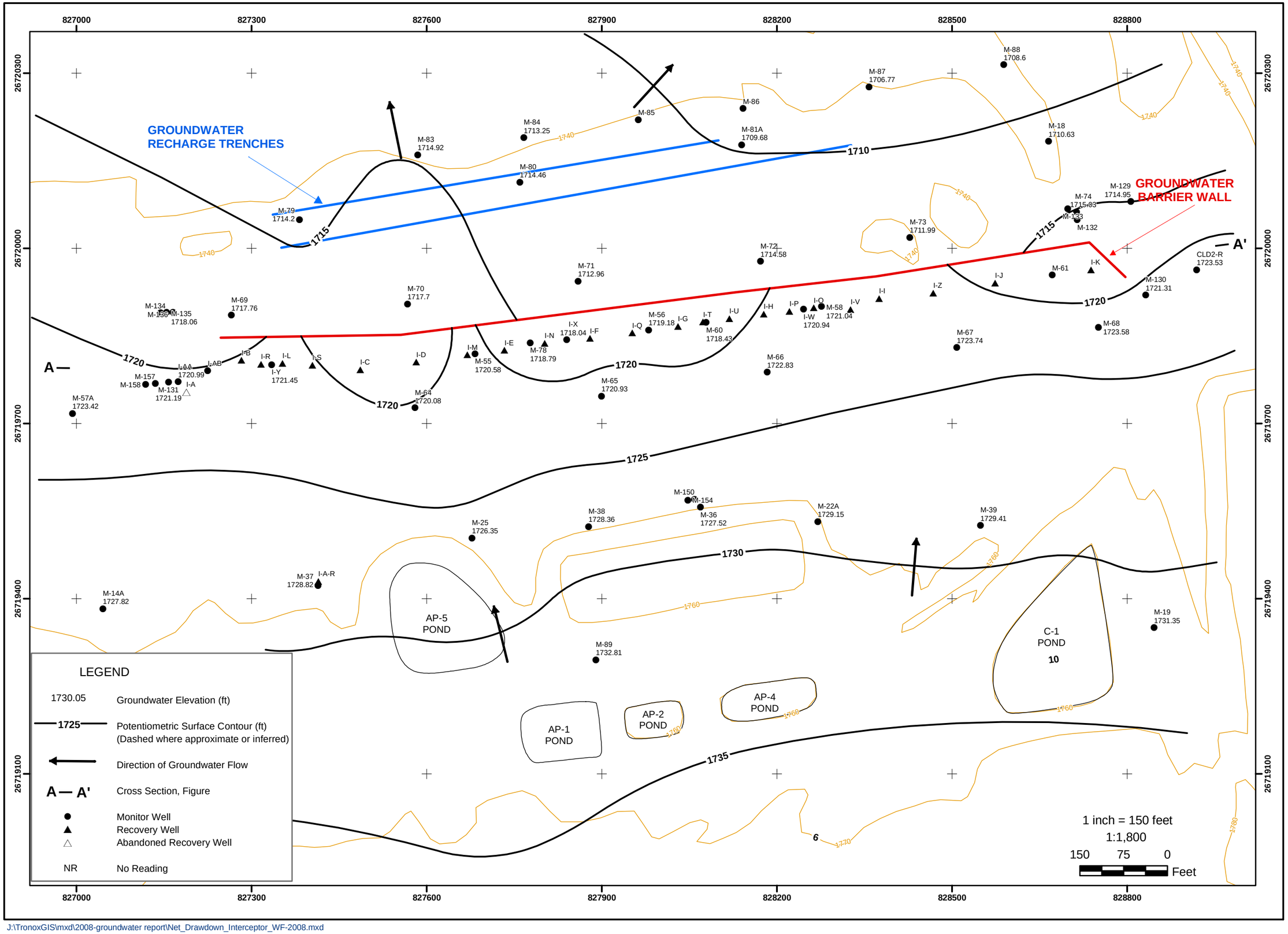
Tronox LLC, Henderson, Nevada











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POTENTIOMETRIC SURFACE AT THE INTERCEPTOR WELL FIELD, MAY 2009

Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
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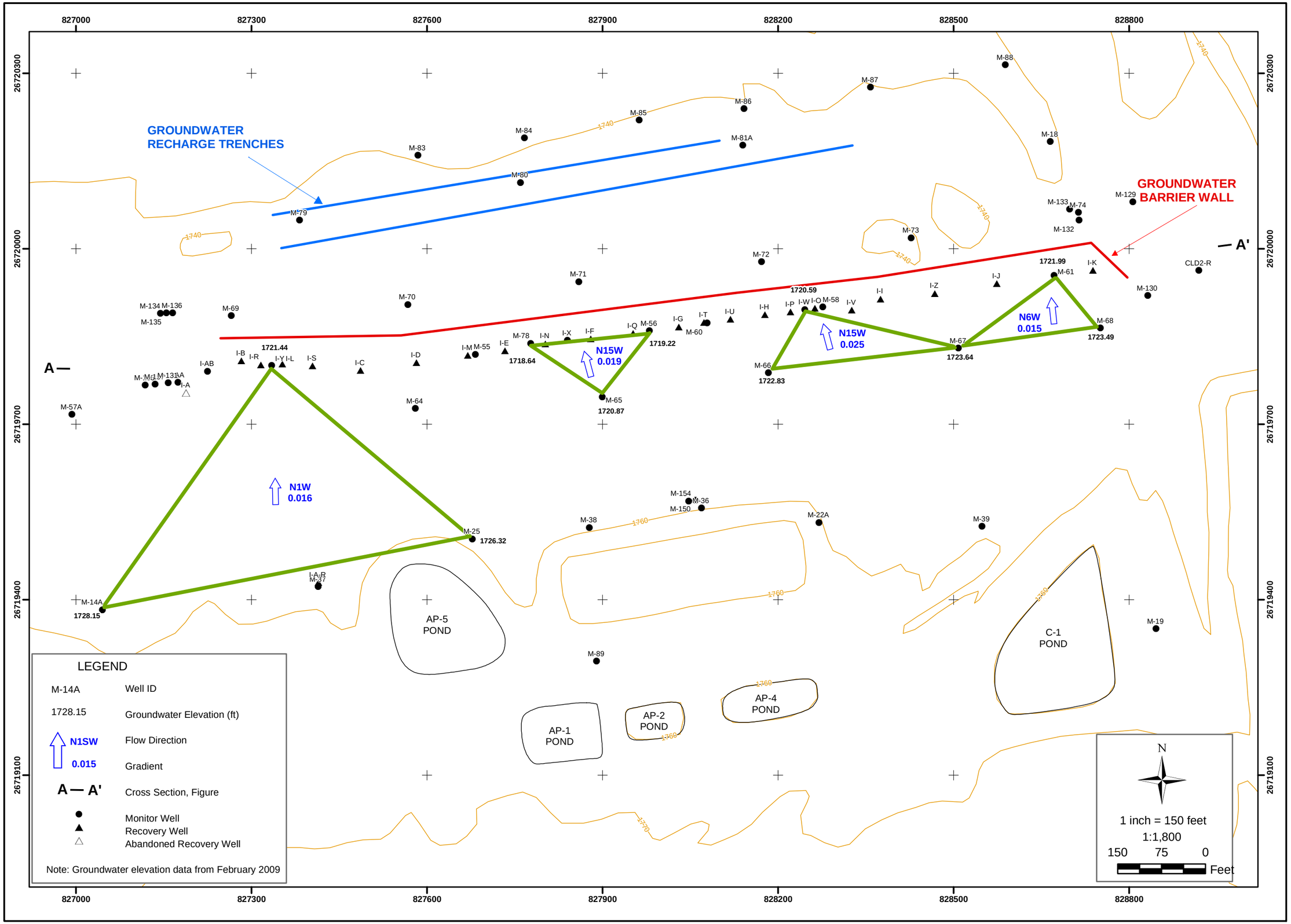

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THREE POINT GRADIENT SOLUTIONS AT THE INTERCEPTOR WELL FIELD

Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
AS SHOWN	03/16/10	2027.01

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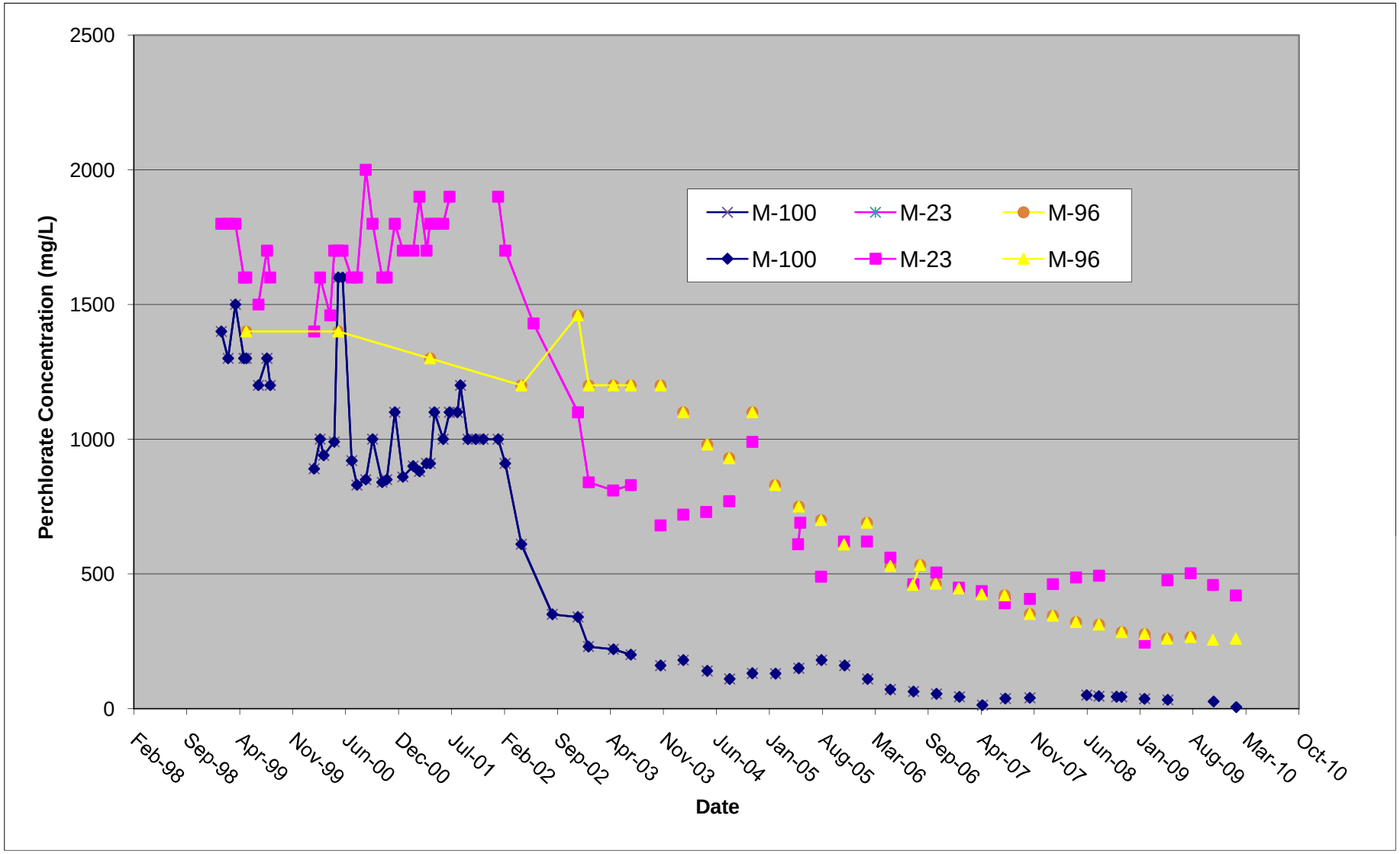
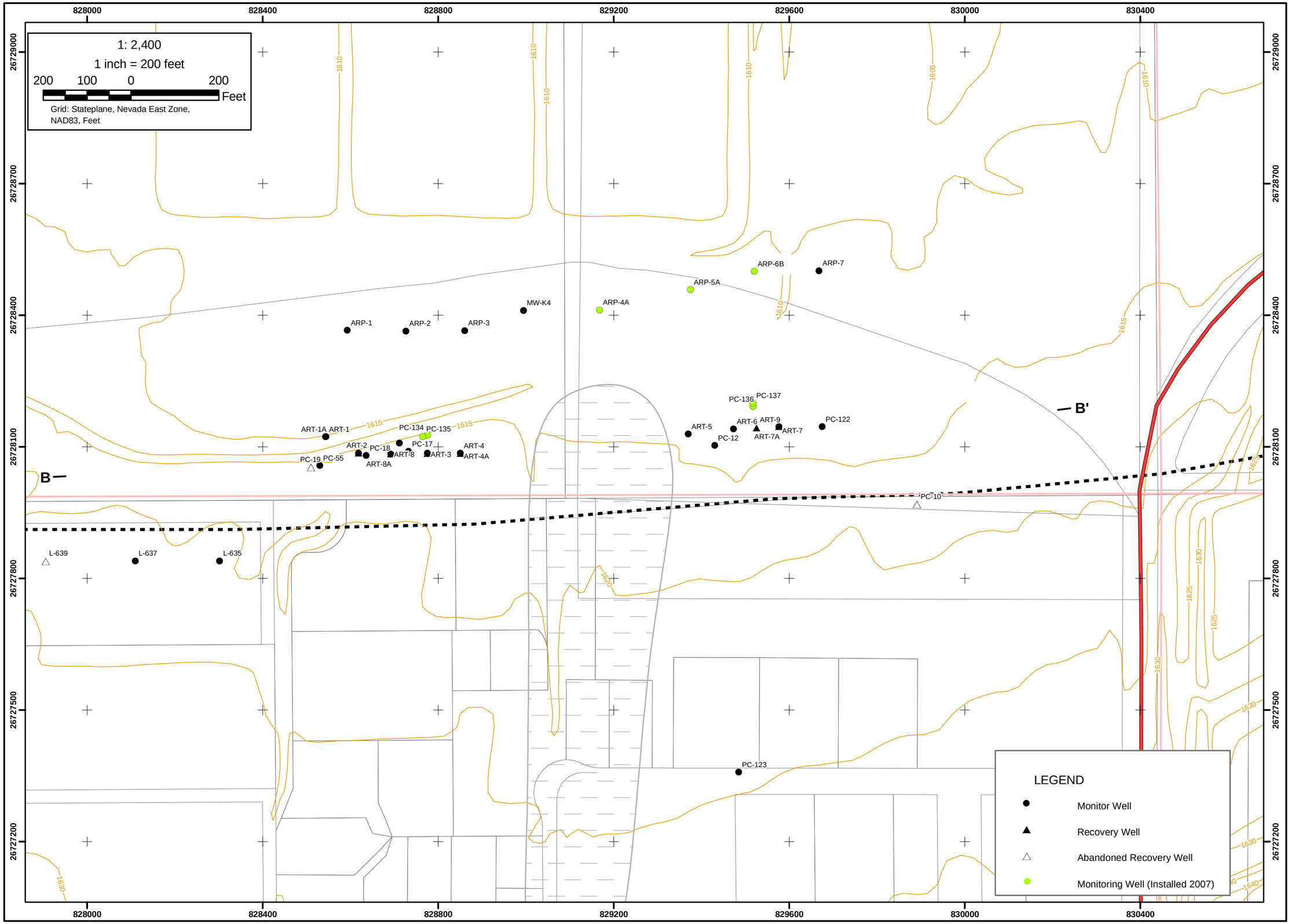
Figure 7: Perchlorate Concentrations Downgradient of the Interceptor Well Field Trend Graph, January 1999 to February 2010

Tronox LLC, Henderson, Nevada





LEGEND

- Monitor Well
- Recovery Well
- Abandoned Recovery Well
- Monitoring Well (Installed 2007)

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INSTALLED WELLS AT THE ATHENS ROAD WELL FIELD
Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE: AS SHOWN
DATE: 12/22/09
PROJECT NUMBER: 2027.01

FIGURE NUMBER: 8

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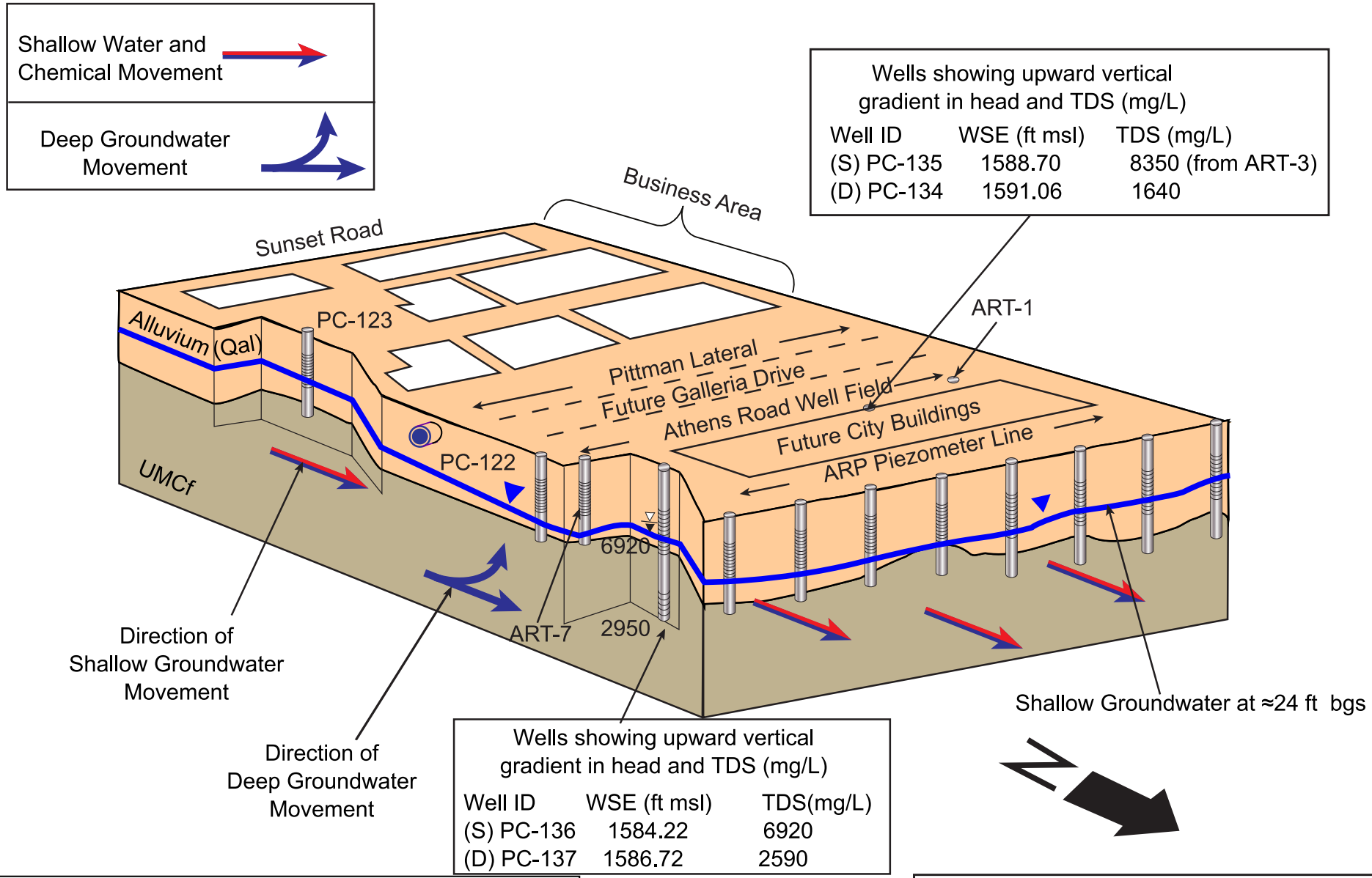

UMCf - Muddy Creek formation (fine-grained facies undifferentiated

ft msl = feet above mean sea level
ft bgs = feet below ground surface

(S) Shallow Well
(D) Deep Well
(NA) No Analysis

WSE = water surface elevation

Figure 9

Athens Road Well Field Block Diagram
Tronox LLC, Henderson, Nevada

Data from May 2008
(Not to Scale)

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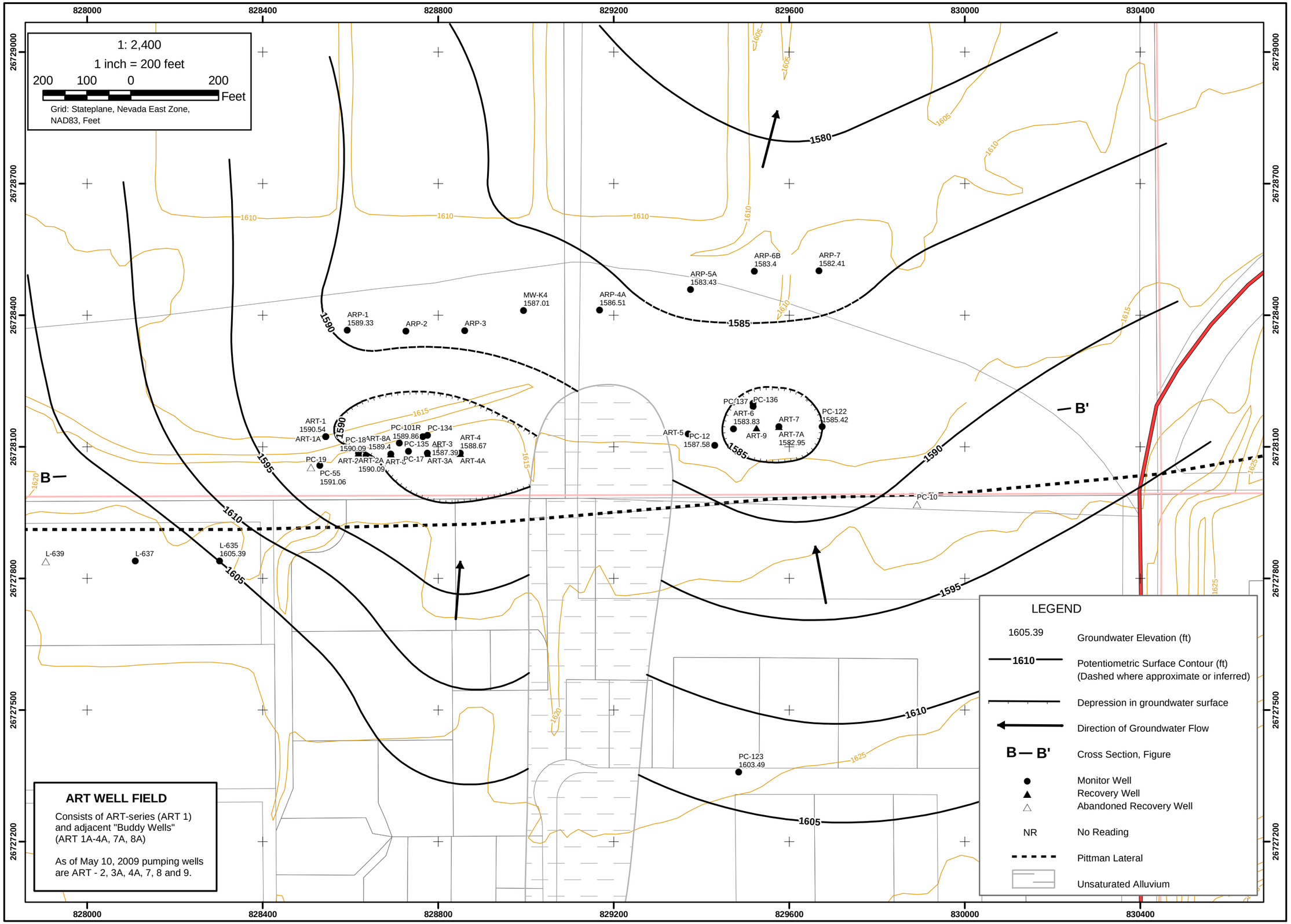

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POTENTIOMETRIC SURFACE ATHENS ROAD WELL FIELD
MAY 2009
Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
AS SHOWN	12/22/09	2027.01

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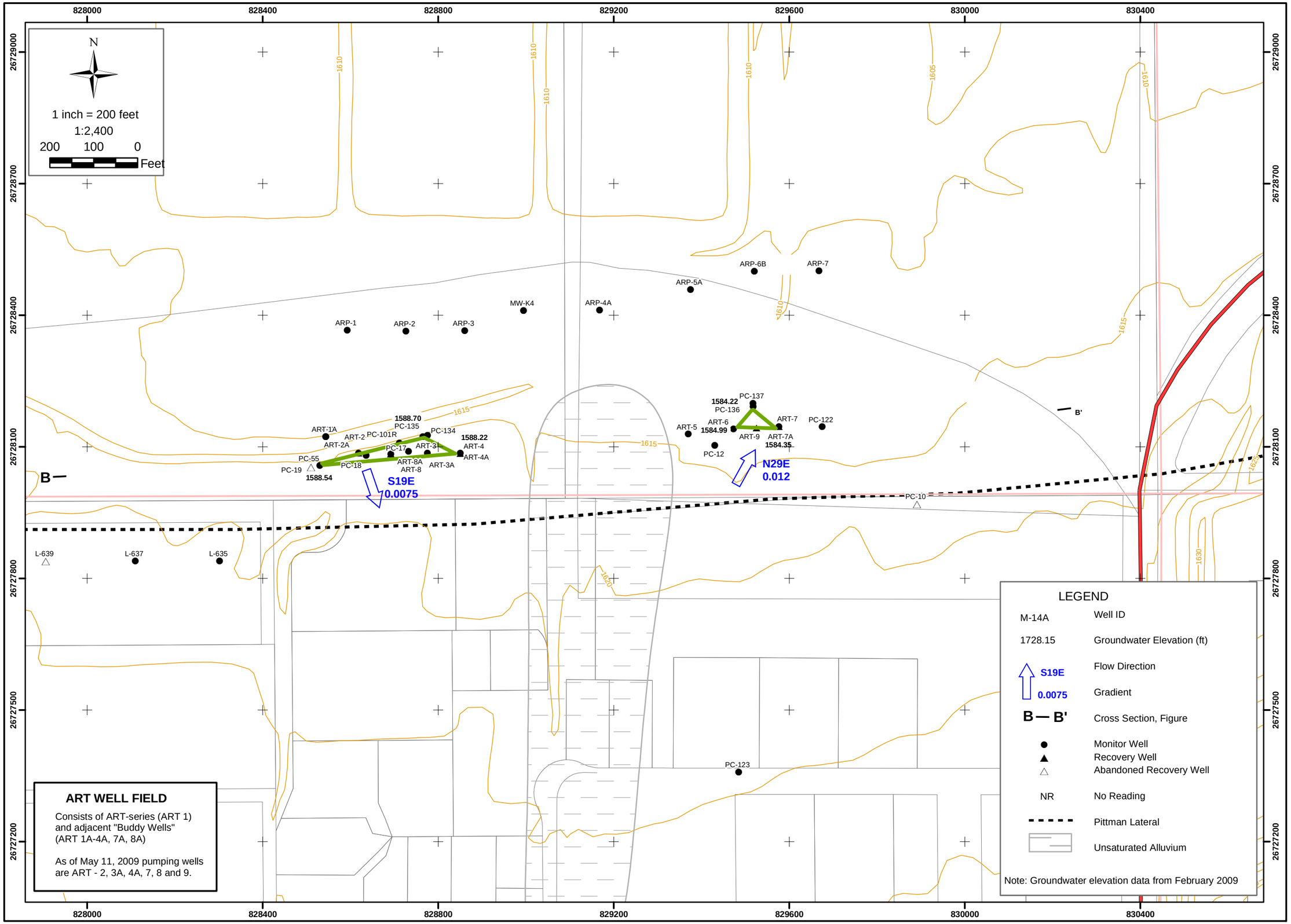

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THREE POINT GRADIENT SOLUTIONS
ATHENS ROAD WELL FIELD
Interim Groundwater Capture Evaluation and Vertical Delineation Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
AS SHOWN	03/15/10	2027.01

FIGURE NUMBER:
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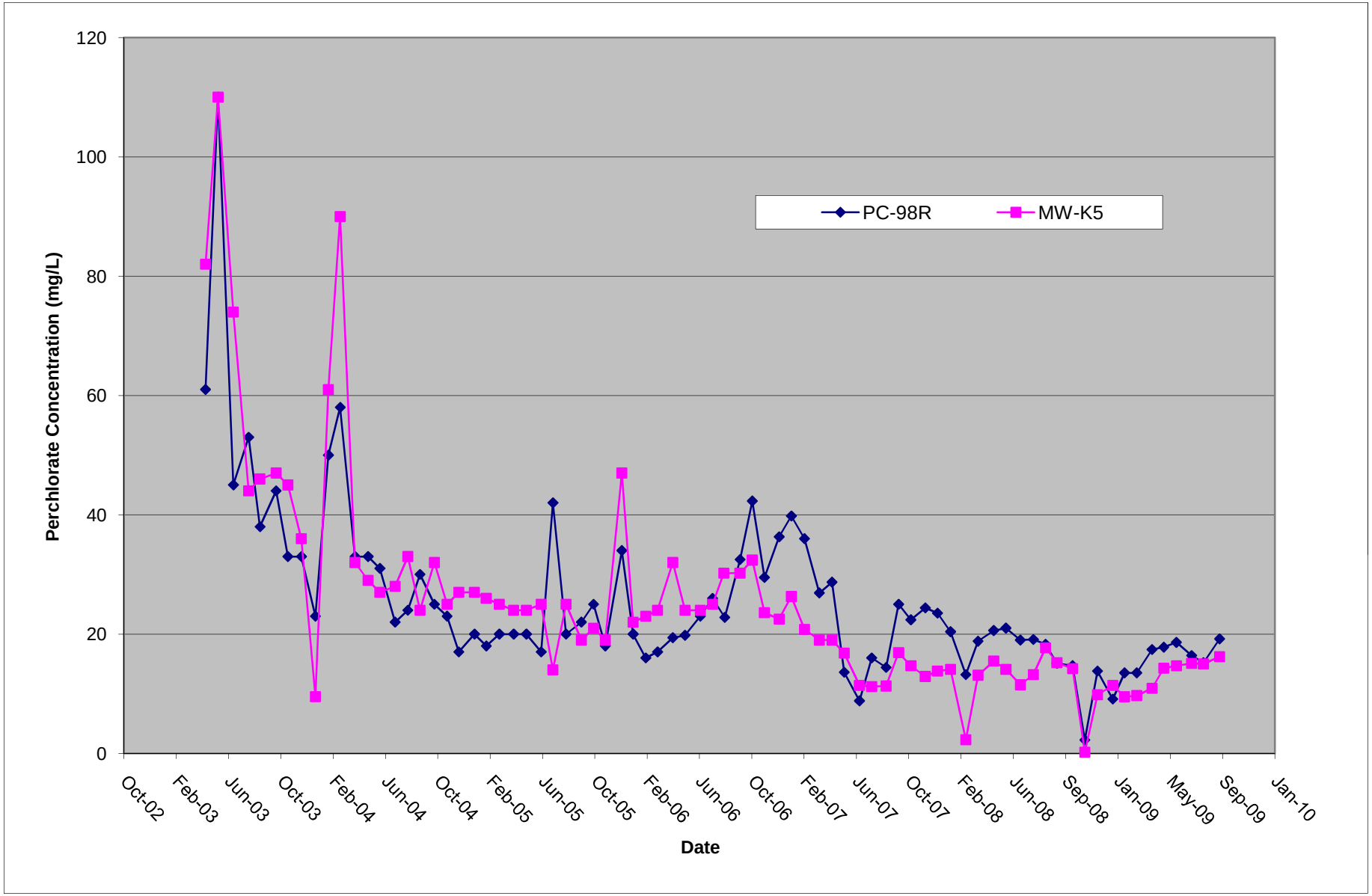
Figure 12: City of Henderson WRF Well Perchlorate Trend Graph - May 2003 to August 2009

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