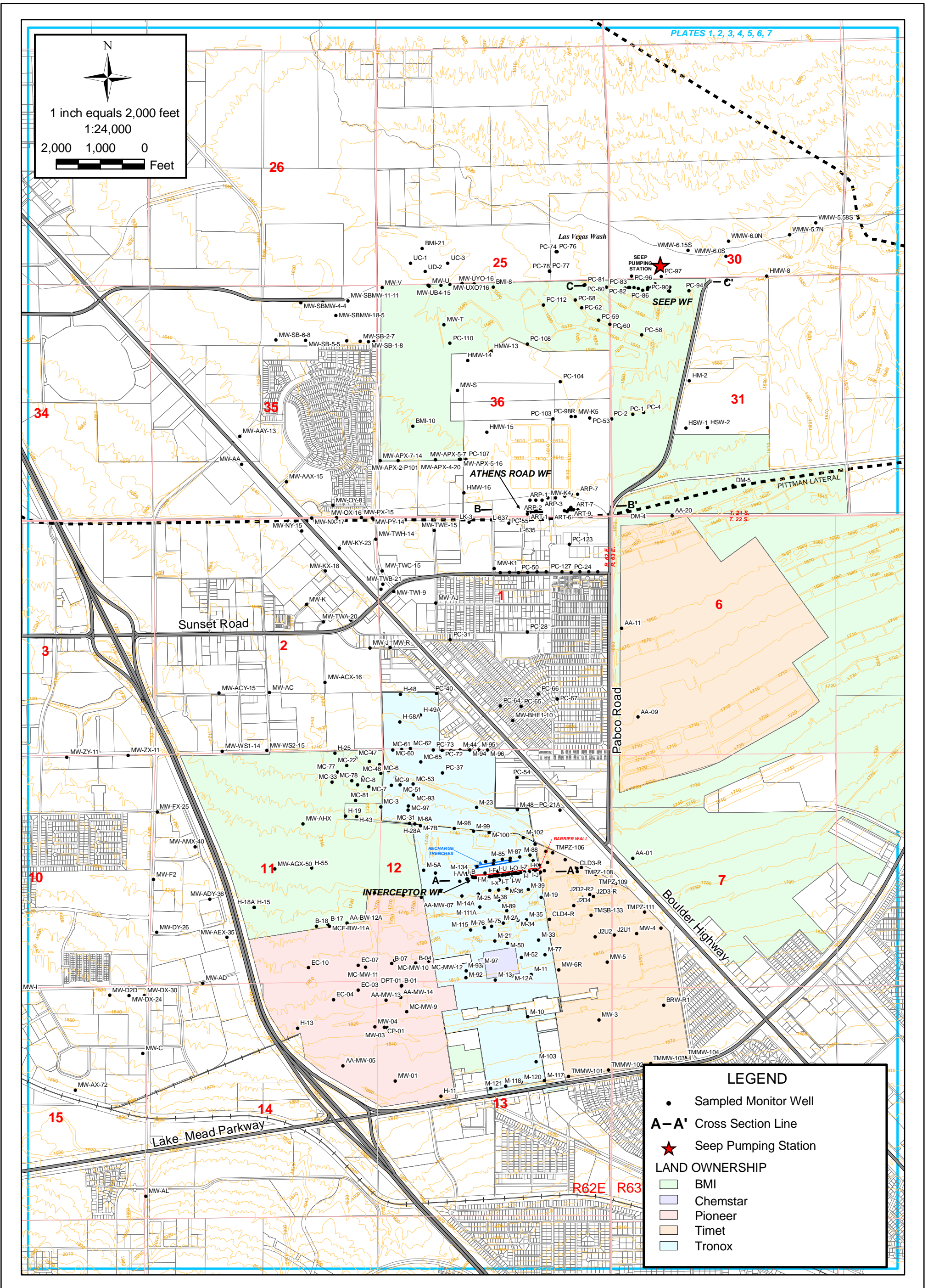


## FIGURES



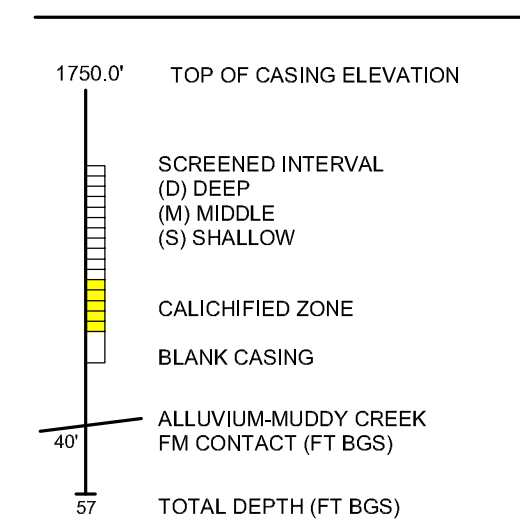
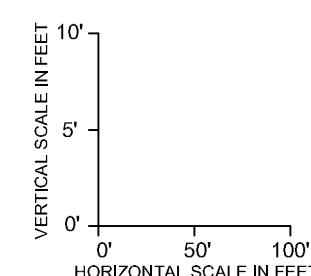
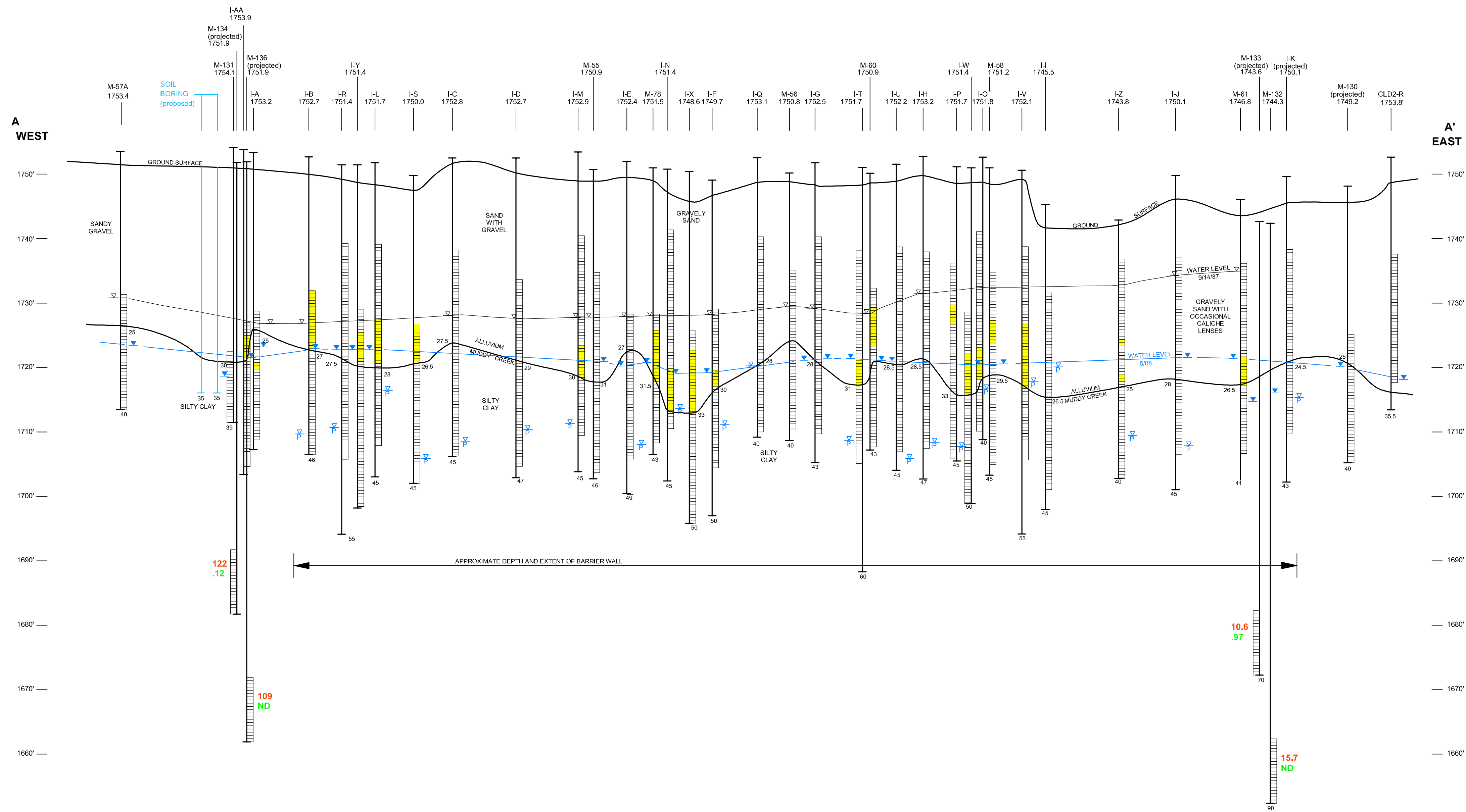
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FIGURE NUMBER:	1

LOCATION MAP		
Annual Performance Report		
Tronox Facility		
Henderson, Nevada		
SCALE:	DATE:	PROJECT NUMBER:
1" = 2,000'	7/31/2008	04020-023-110

**ENSR | AECOM**

**ENSR CORPORATION**  
 1220 AVENIDA ACASO  
 CAMARILLO, CALIFORNIA 93012  
 PHONE: (805) 388-3775  
 FAX: (805) 388-3577  
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DESIGNED BY:	REVISIONS:			
E. Krish	NO:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
M. Scop				
CHECKED BY:				
E. Krish				
APPROVED BY:				
S. Bilodeau				



CAPTURE EVALUATION REPORT (AUGUST 2008)  
PROPOSED SOIL BORING

- ▽ TOP OF CASING ELEVATION
- ▽ STATIC WATER LEVEL PRIOR TO INITIAL PUMPING
- ▽ GROUNDWATER LEVELS MEASURED MAY 2008
- ▽ PUMPING WELL (AND WELL NAME, ATHENS ROAD WELLFIELD ONLY) MAY 2008
- 1.9 PERCHLORATE CONCENTRATION AS OF MAY 2008 (mg/L) ND <0.004 mg/L
- 1.9 TOTAL CHROMIUM CONCENTRATION AS OF MAY 2008 (mg/L) ND <0.01 mg/L

DESIGNED BY:		REVISIONS	
E. Krish	NO.	DESCRIPTION	DATE
DRAWN BY:			
M. Scop			
CHECKED BY:			
E. Krish			
APPROVED BY:			
M. F. Beck			

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**WEST - EAST HYDROGEOLOGIC CROSS SECTION A-A' INTERCEPTOR WELL FIELD MAY 2008**

Annual Performance Report  
Tronox Facility, Henderson, Nevada

SCALE: as noted

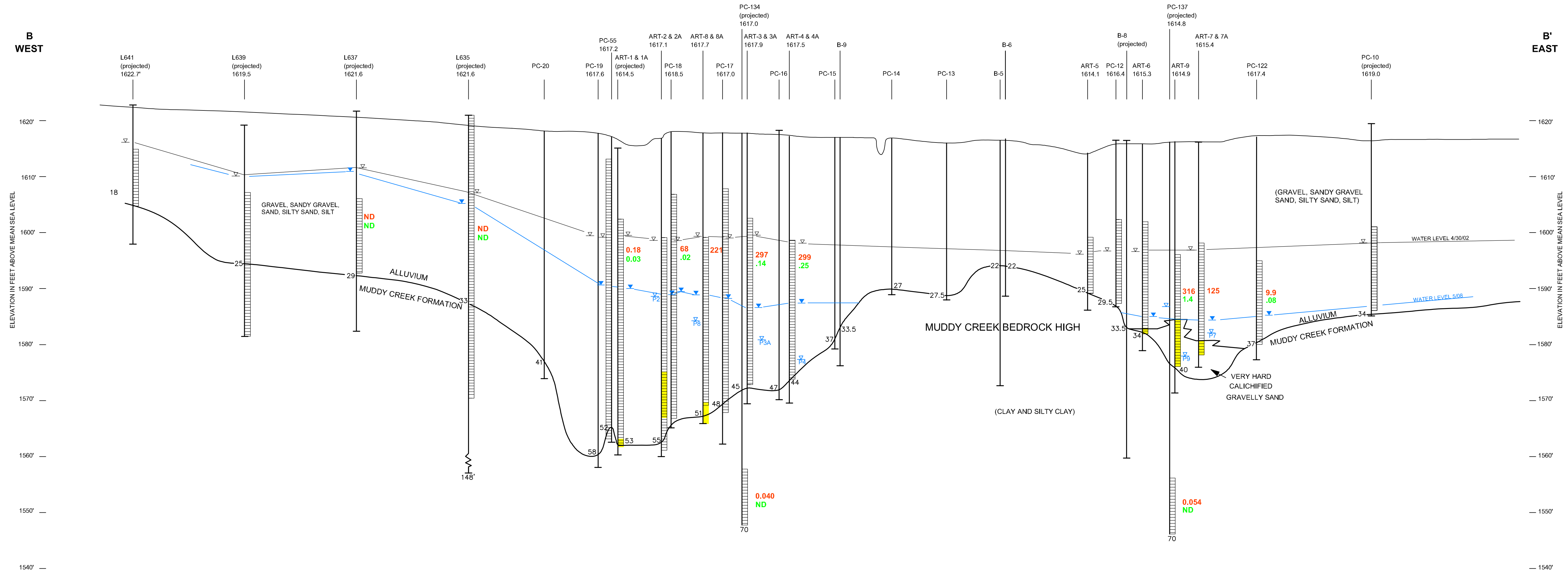
DATE: 8/11/2008

PROJECT NUMBER: 04020-023-110

FIGURE NUMBER:  
**2**

SHEET NUMBER:  
X

FILENAME: J:\2008\_P\Projects\04020- Tronox\023-Henderson\110 - Groundwater Monitoring\Figures\03 Cross Sections.dwg



**LEGEND**

<p>VERTICAL SCALE IN FEET</p>	<p>HORIZONTAL SCALE IN FEET</p>	<p>1750.0' TOP OF CASING ELEVATION</p> <p>SCREENED INTERVAL (D) DEEP (M) MIDDLE (S) SHALLOW</p> <p>CALICIFIED ZONE</p> <p>BLANK CASING</p> <p>ALLUVIUM-MUDDY CREEK FM CONTACT (FT BGS)</p> <p>40' TOTAL DEPTH (FT BGS)</p>	<p>▽ STATIC WATER LEVEL PRIOR TO INITIAL PUMPING</p> <p>▼ GROUNDWATER LEVELS MEASURED MAY 2008</p> <p>▼ PUMPING WELL (AND WELL NAME- ATHENS ROAD WELLFIELD ONLY) MAY 2008</p>	<p>1.9 PERCHLORATE CONCENTRATION AS OF MAY 2008 (mg/L) ND &lt;0.004 mg/L</p> <p>1.9 TOTAL CHROMIUM CONCENTRATION AS OF MAY 2008 (mg/L) ND &lt;0.01 mg/L</p>
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DESIGNED BY:		REVISIONS	
E. Krieh	NO.:	DESCRIPTION:	DATE:
M. Scop	NO.:	DESCRIPTION:	DATE:
E. Krieh	NO.:	DESCRIPTION:	DATE:
M. F. Beck	NO.:	DESCRIPTION:	DATE:

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**WEST - EAST HYDROGEOLOGIC CROSS SECTION B-B' ATHENS ROAD WELL FIELD MAY 2008**

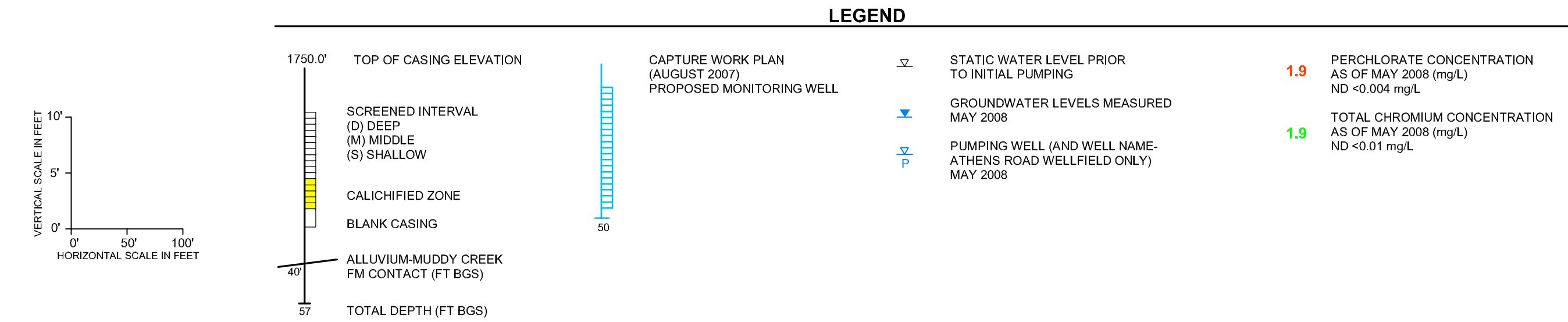
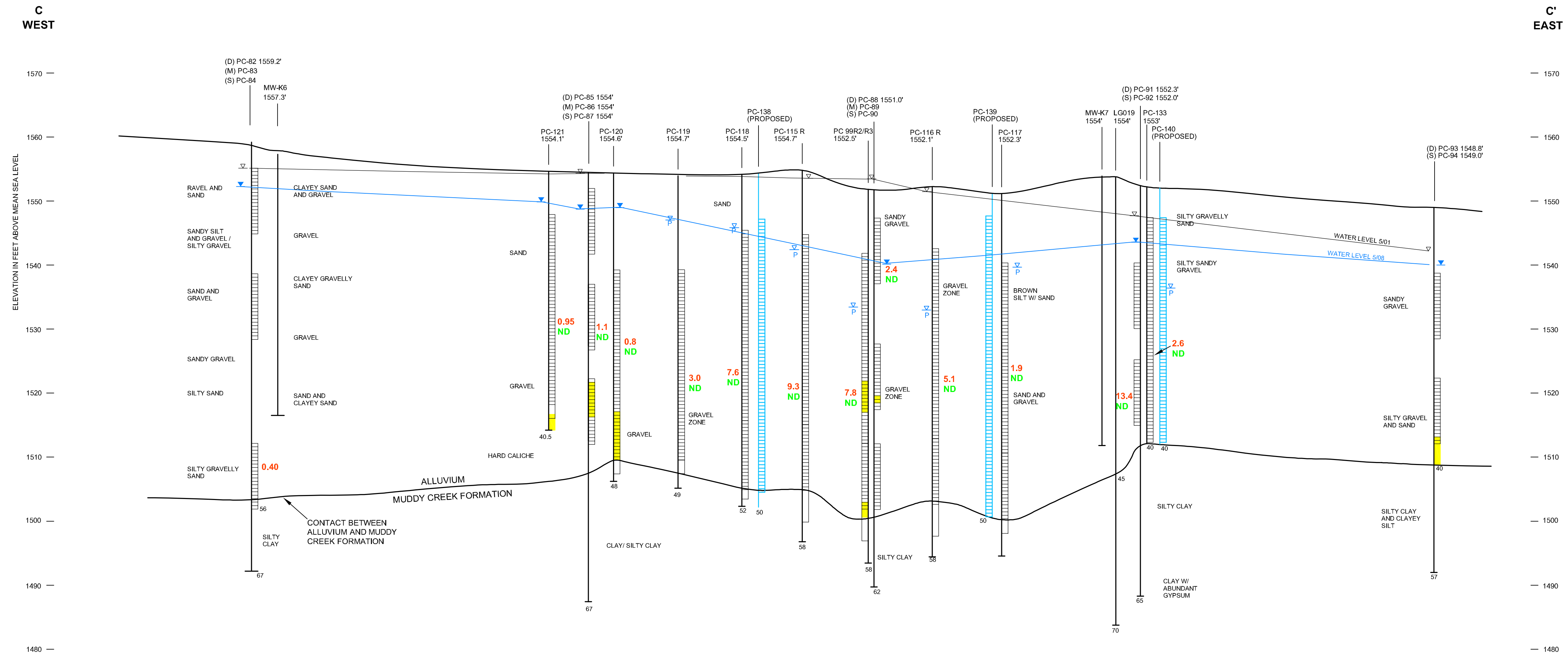
Annual Performance Report  
Tronox Facility, Henderson, Nevada

SCALE: as noted  
DATE: 8/11/2008  
PROJECT NUMBER: 04020-023-110

FIGURE NUMBER:  
**3**

SHEET NUMBER:  
X

FILENAME: J:\2008\_Projects\040202- Tomox\023-Henderson\110 - Groundwater Monitoring\Figures\CW Cross Sections.dwg



DESIGNED BY:	E. Krish
DRAWN BY:	M. Scop
CHECKED BY:	E. Krish
APPROVED BY:	M. F. Beck

NO.:	
DESCRIPTION:	
DATE:	
BY:	

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CAMARILLO, CALIFORNIA 93012  
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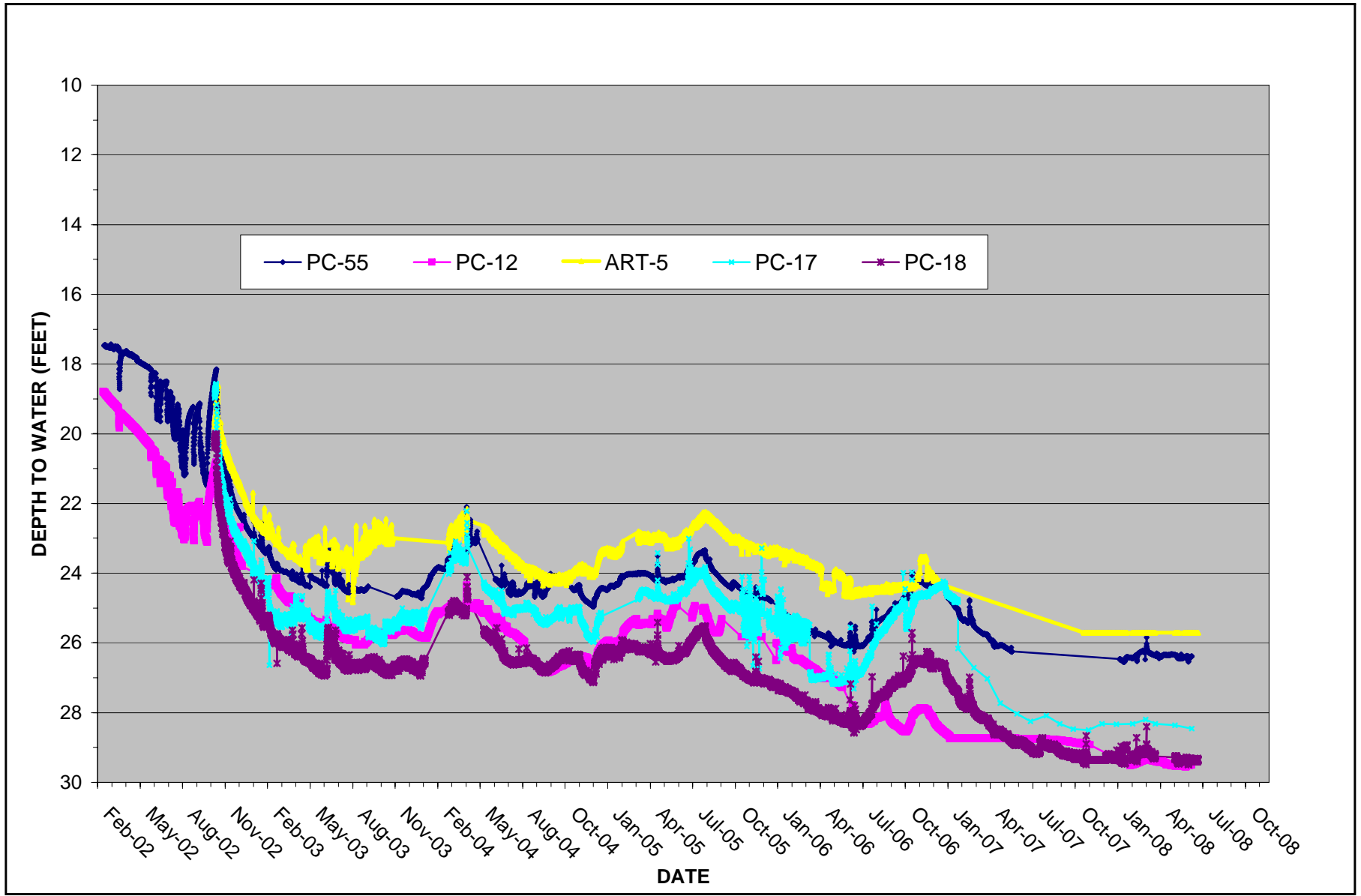
**WEST - EAST HYDROGEOLOGIC CROSS SECTION C-C' SEEP WELL FIELD MAY 2008**

Annual Performance Report  
Tronox Facility, Henderson, Nevada

SCALE: as noted  
DATE: 8/11/2008  
PROJECT NUMBER: 04020-023-110

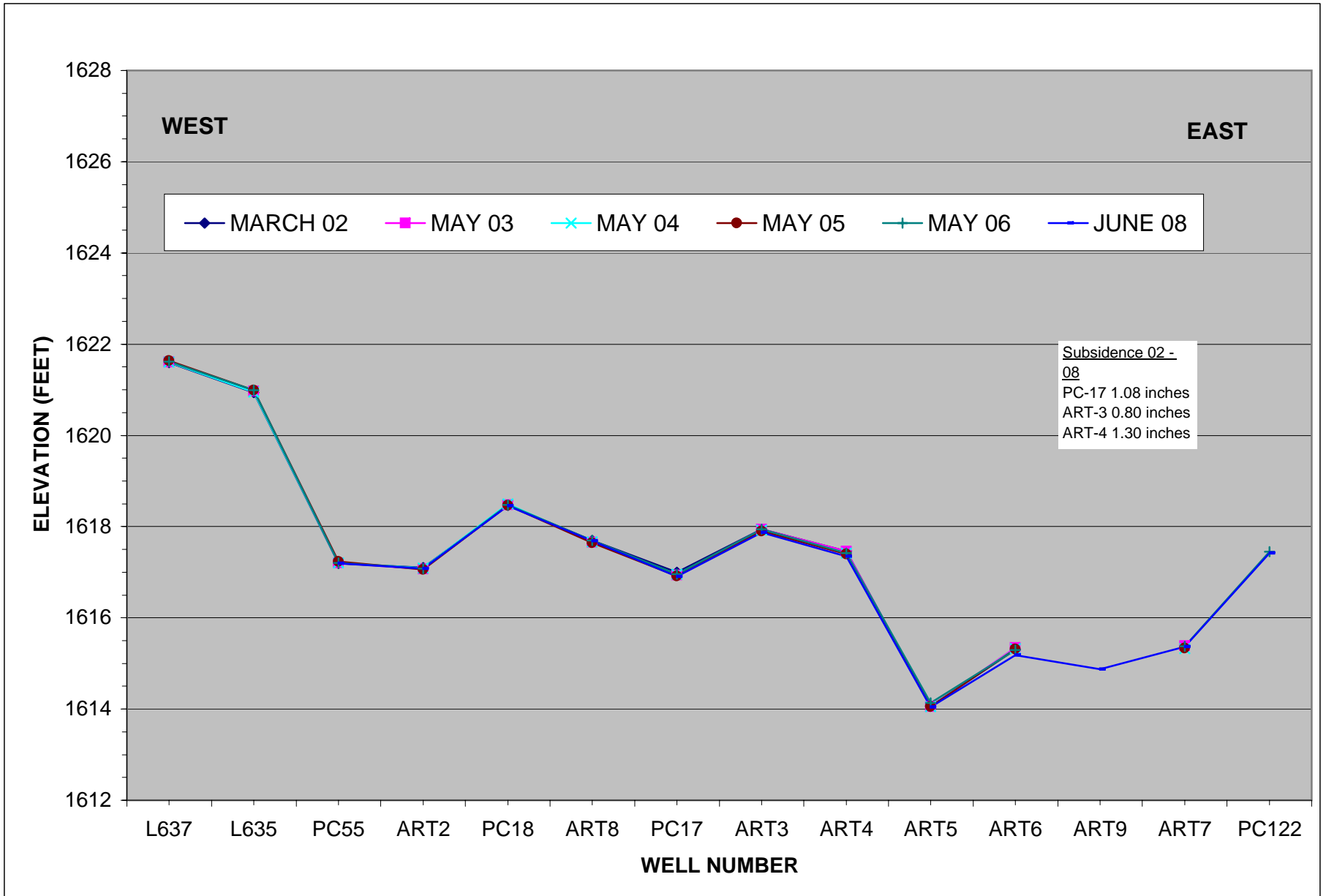
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SHEET NUMBER:	X

**Figure 5: Athens Road Well Field Drawdown**  
Tronox LLC, Henderson, Nevada



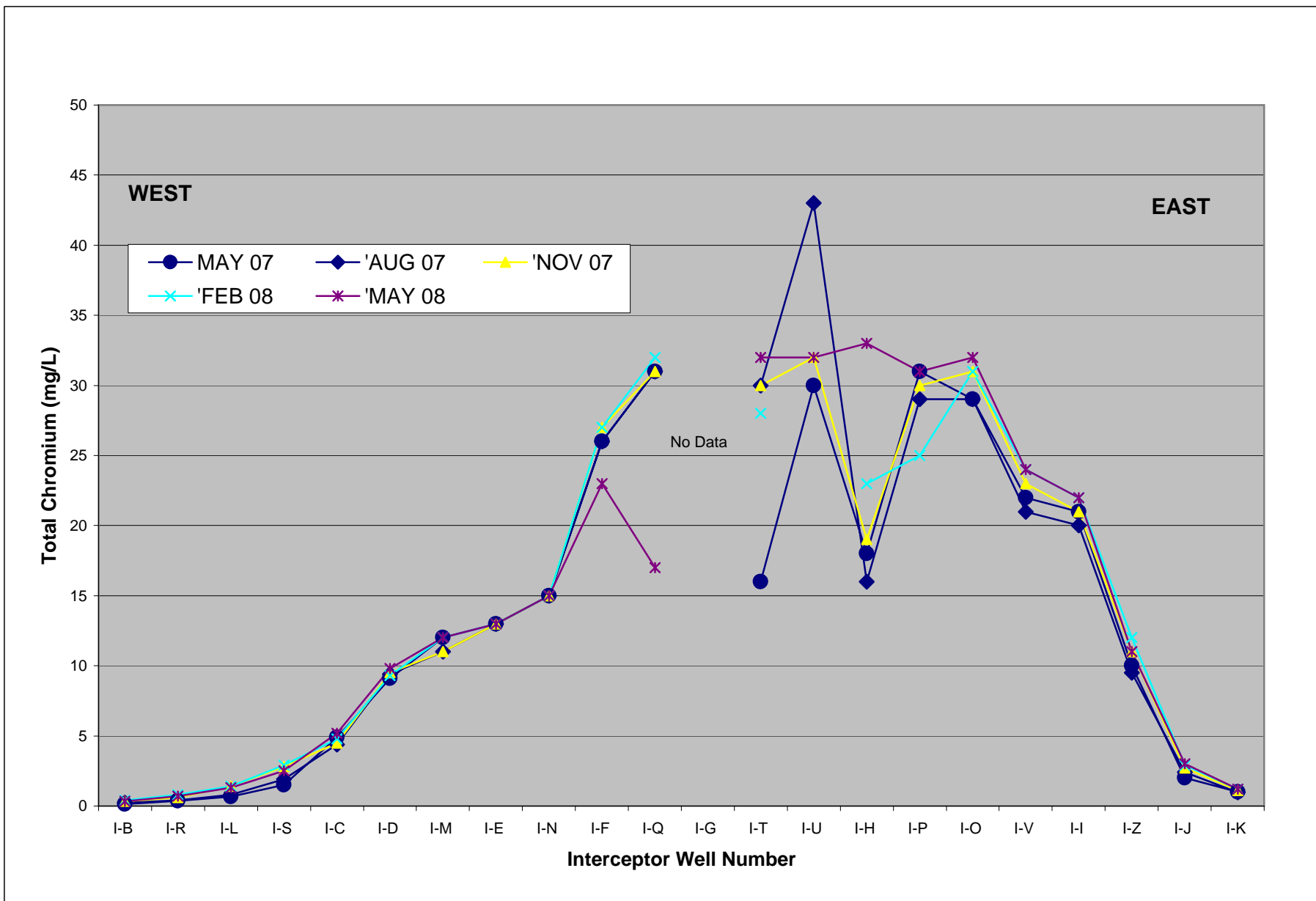
### Figure 6: Athens Road Well Field Subsidence - 2002 to 2008

Tronox LLC, Henderson, Nevada



### Figure 7: Interceptor Well Field Total Chromium Section Graph

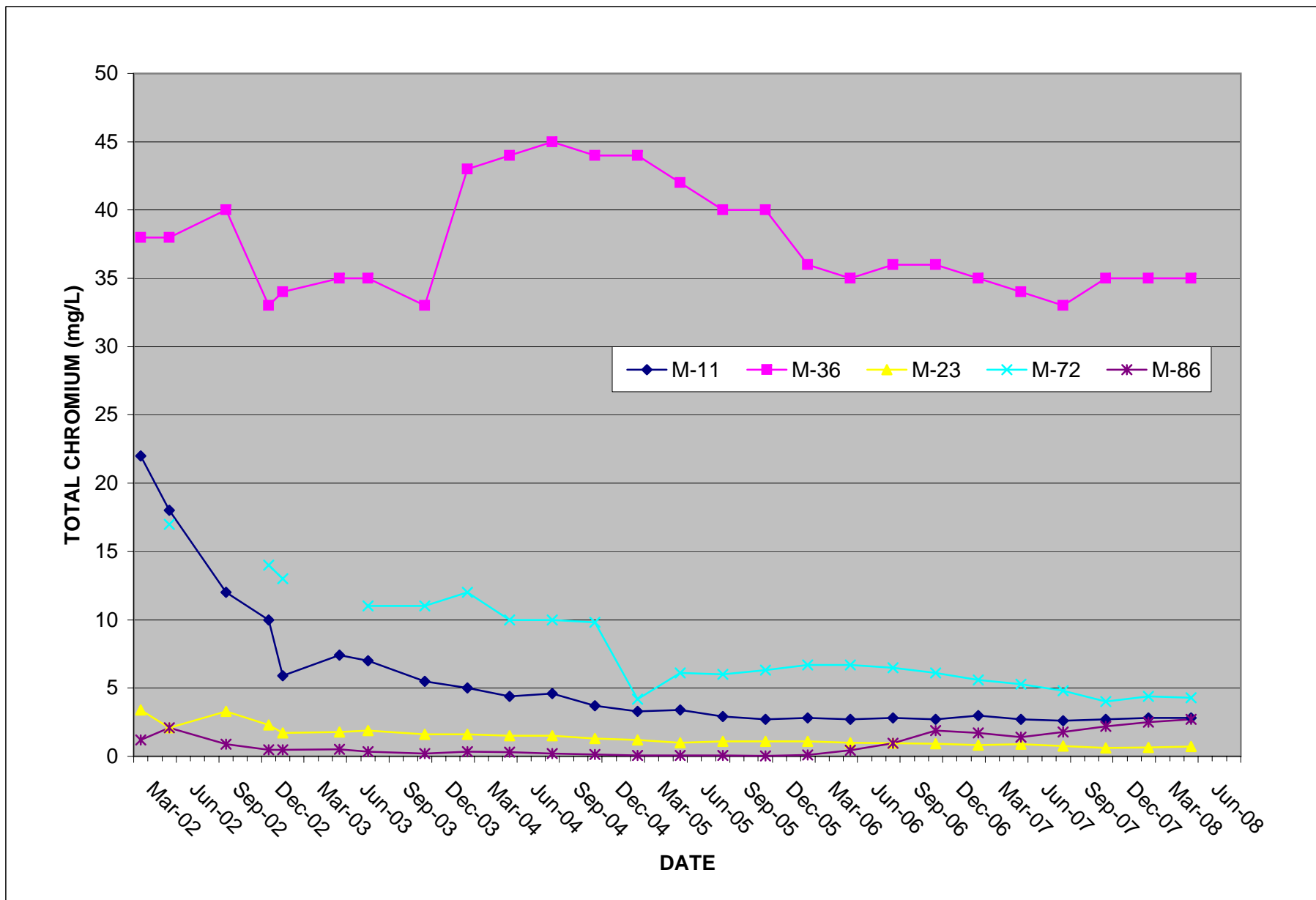
Tronox LLC, Henderson, Nevada





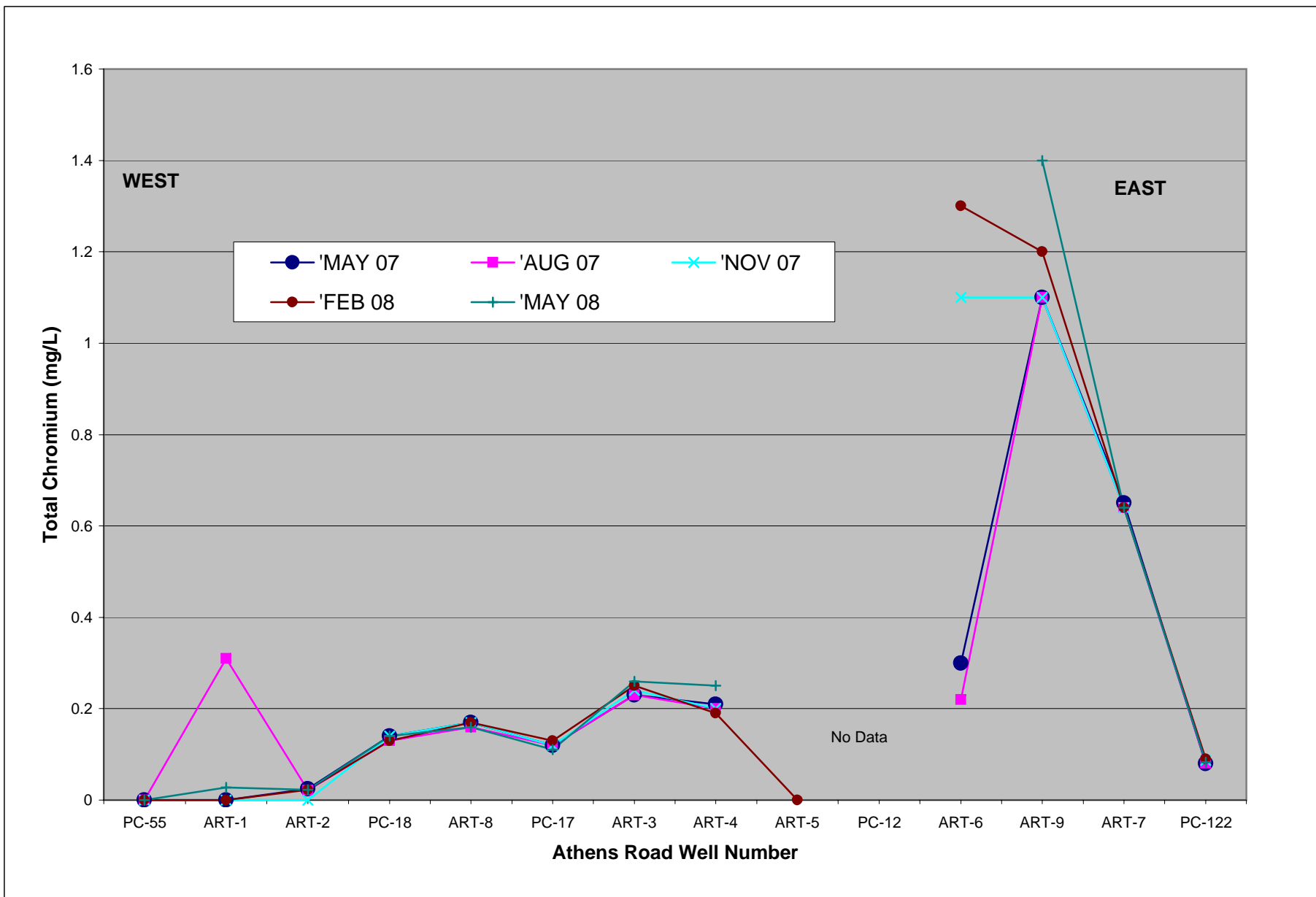
**FIGURE 8: Consent Order Appendix J Wells Total Chromium Concentration Trend Graph**

Tronox LLC, Henderson, Nevada



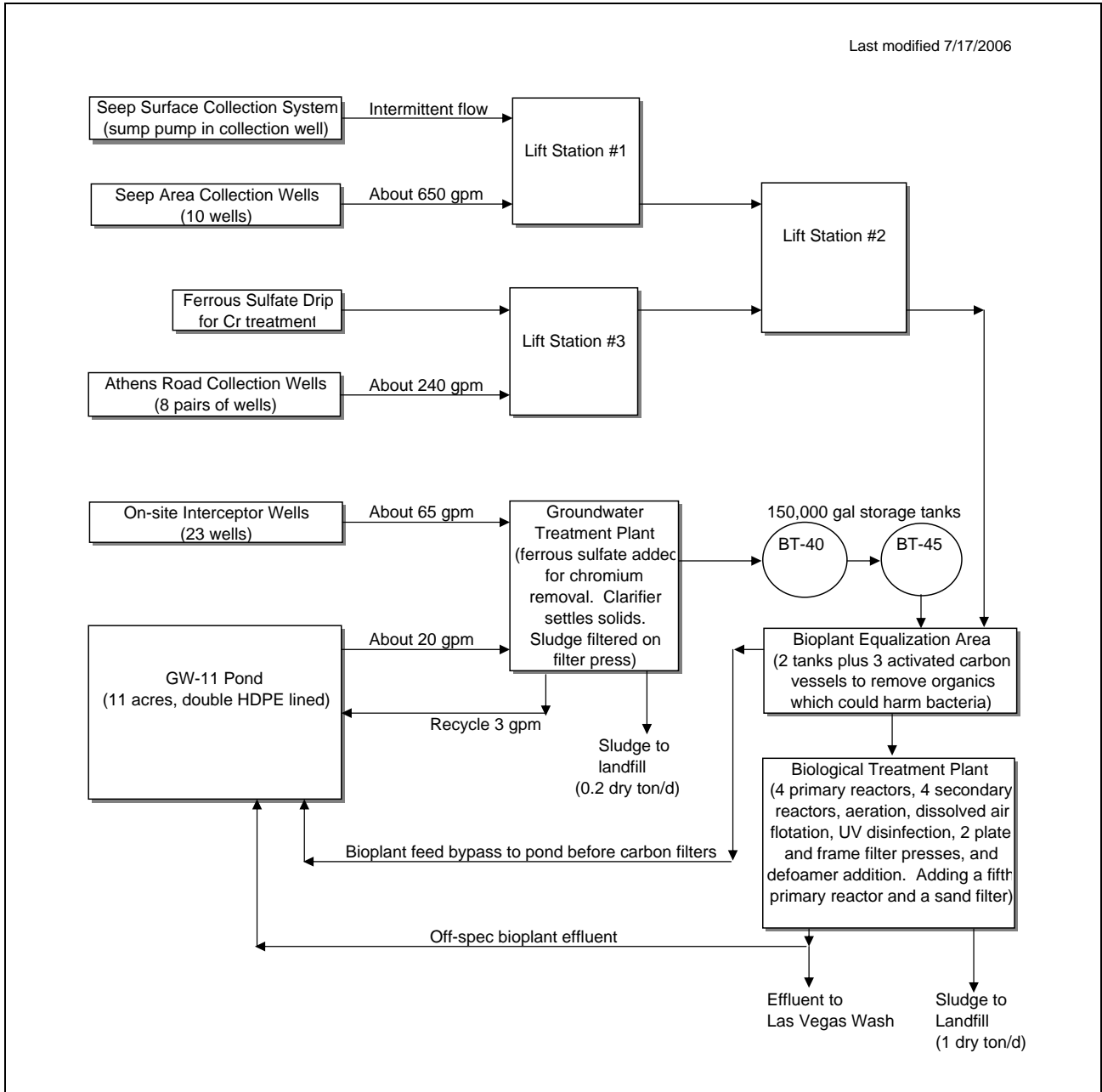
### Figure 9: Athens Road WF Total Chromium Section Graph

Tronox LLC, Henderson, Nevada



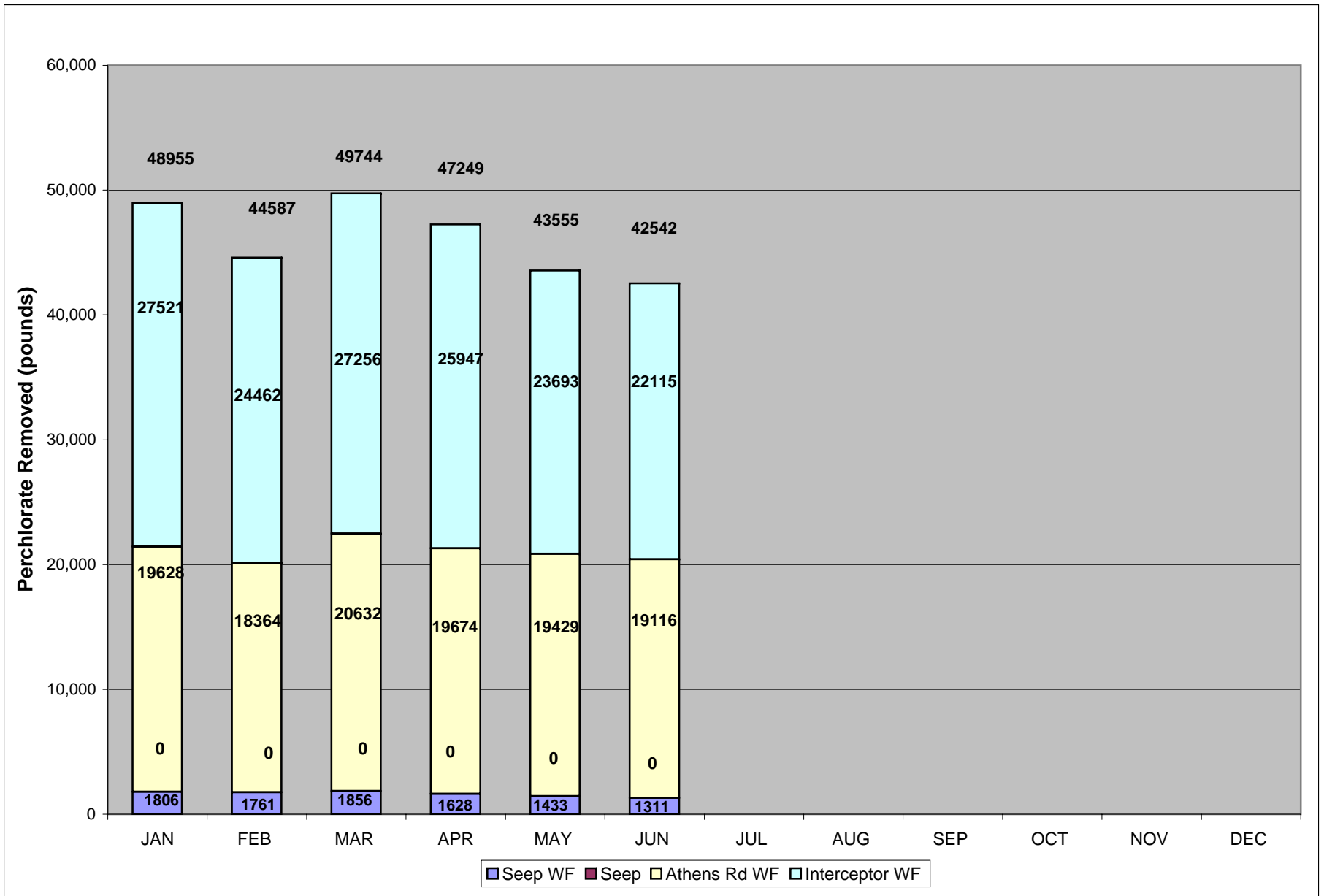
**Figure 10: Tronox Henderson Groundwater Treatment Flow Diagram**  
Henderson, Nevada

Last modified 7/17/2006



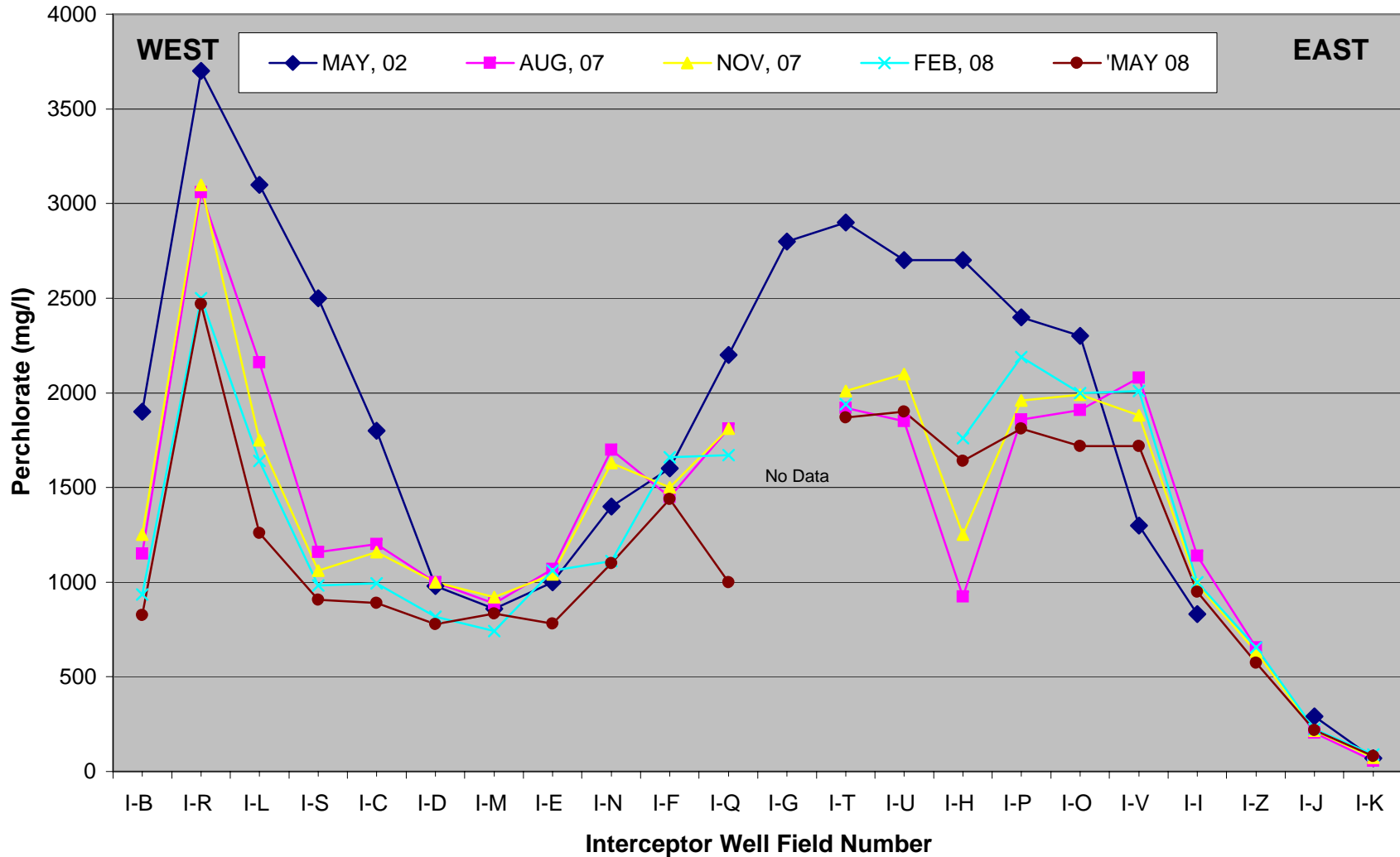
# Figure 11: Perchlorate Removed from the Environment January - June 2008

Tronox LLC, Henderson, Nevada



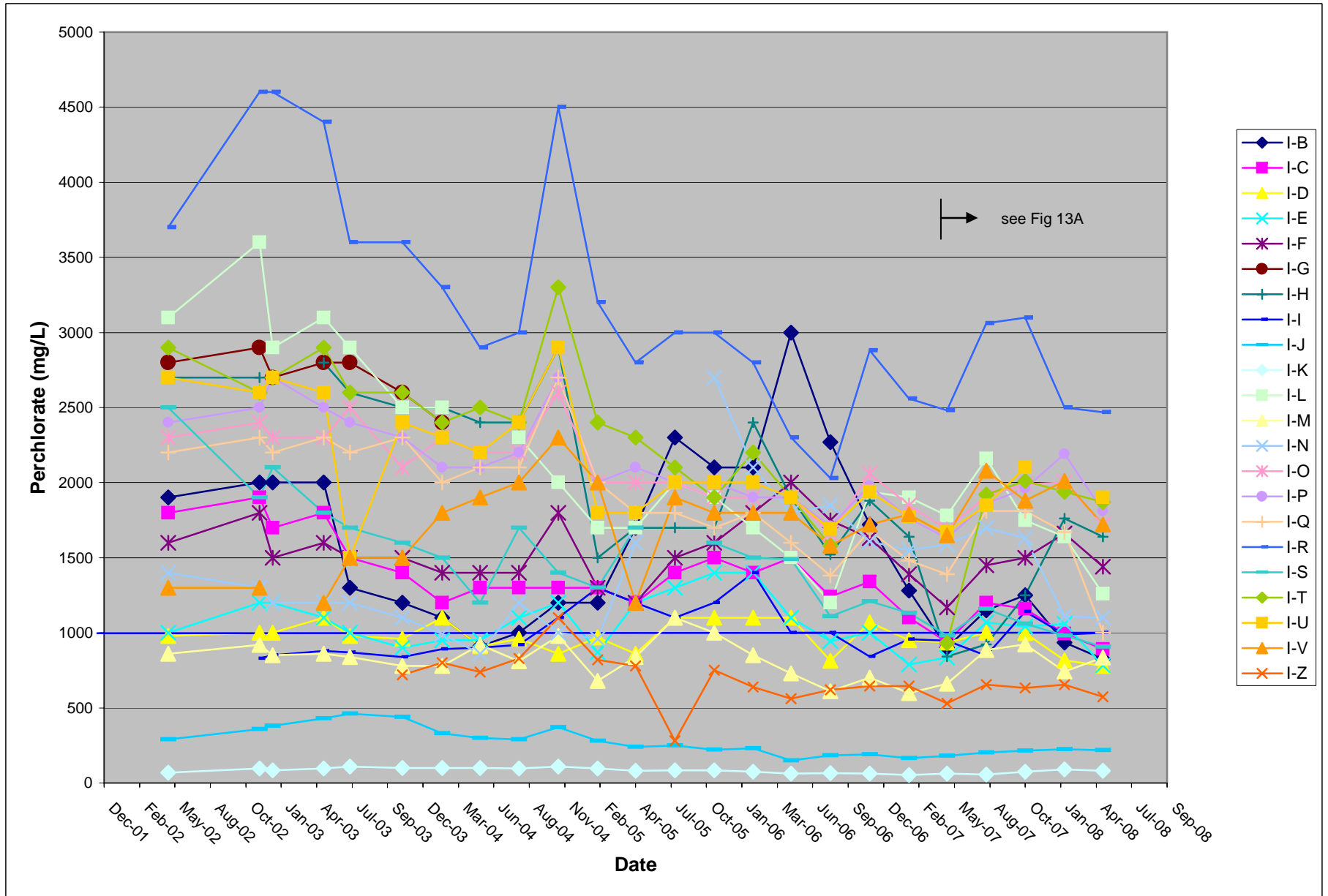
**Figure 12: Interceptor Well Field Perchlorate Concentration Section Graph**

Tronox LLC, Henderson, Nevada



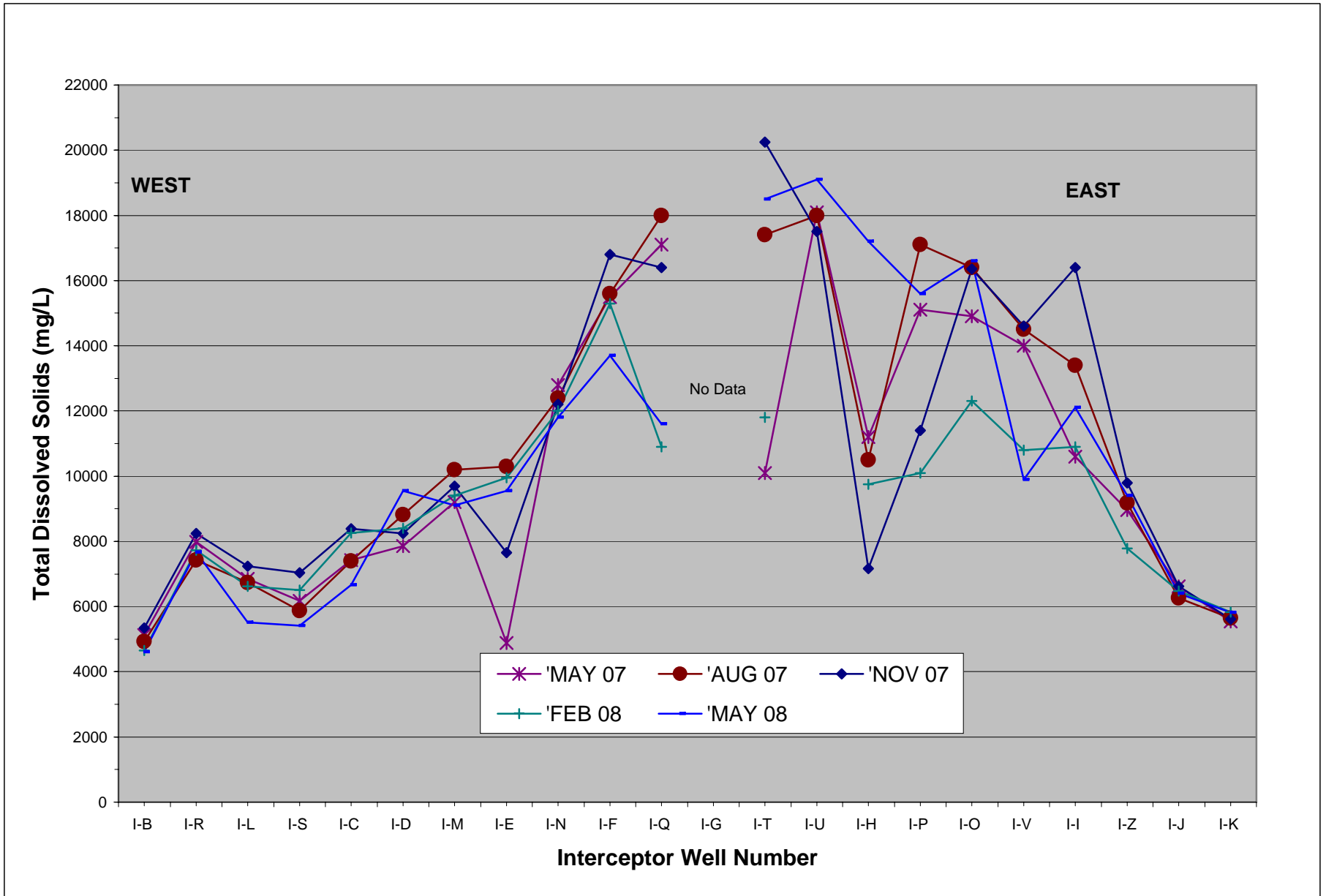
# Figure 13: Interceptor Well Field Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada



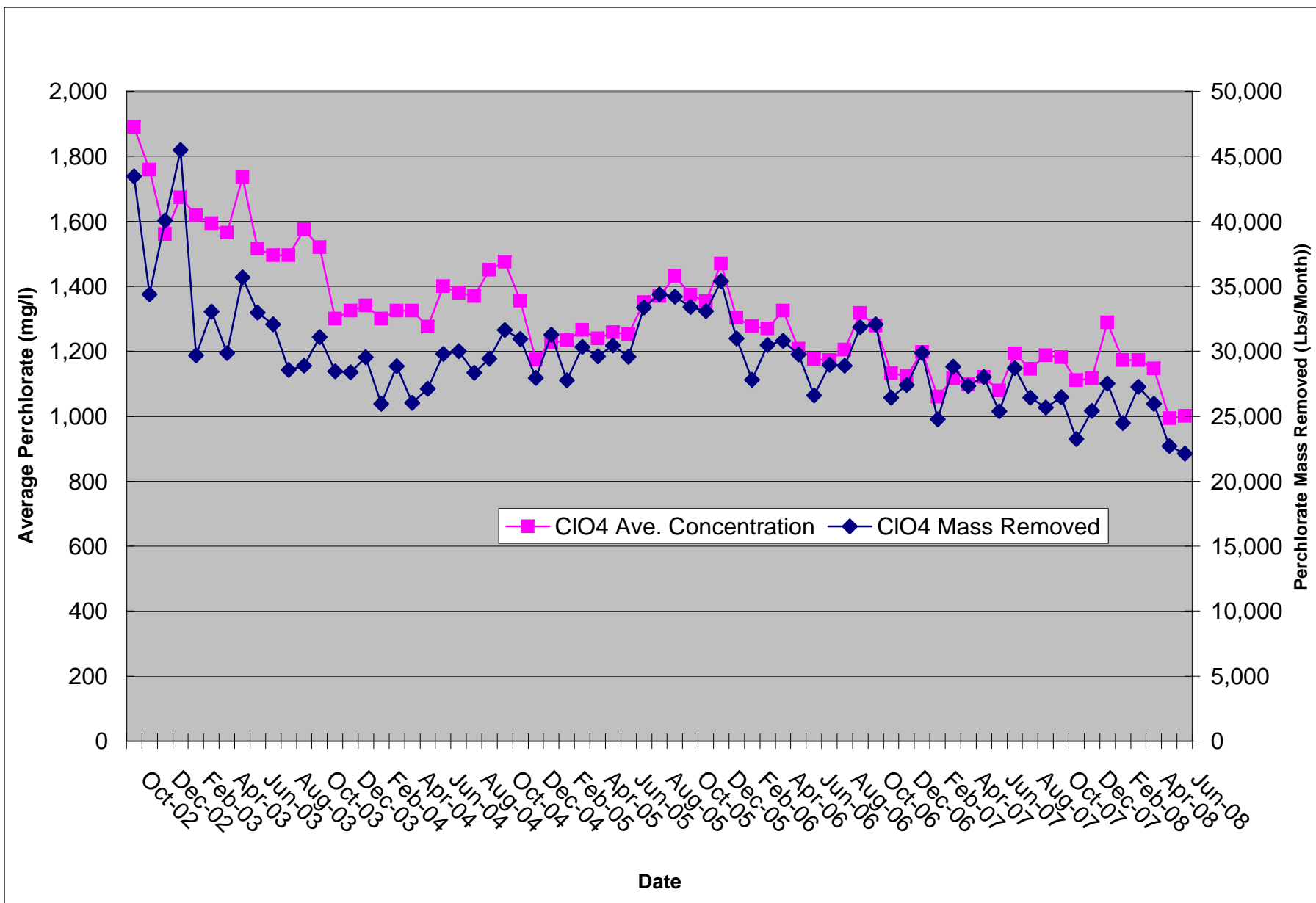
**Figure 14: Interceptor WF Total Dissolved Solids Section Graph**

Tronox LLC, Henderson, Nevada



**Figure 15: Interceptor Well Field Average Perchlorate Concentration and Mass Removed**

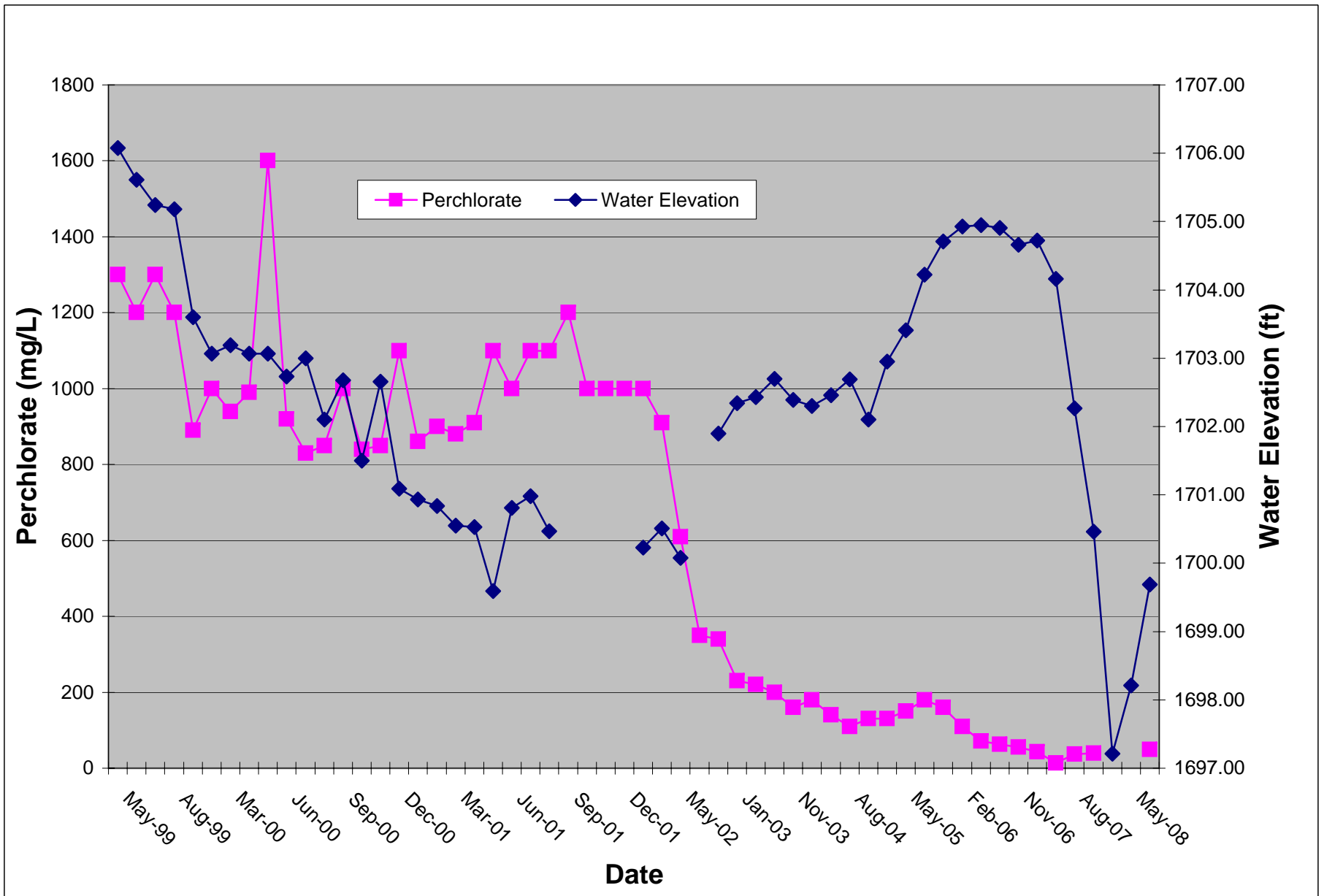
Tronox LLC, Henderson, Nevada





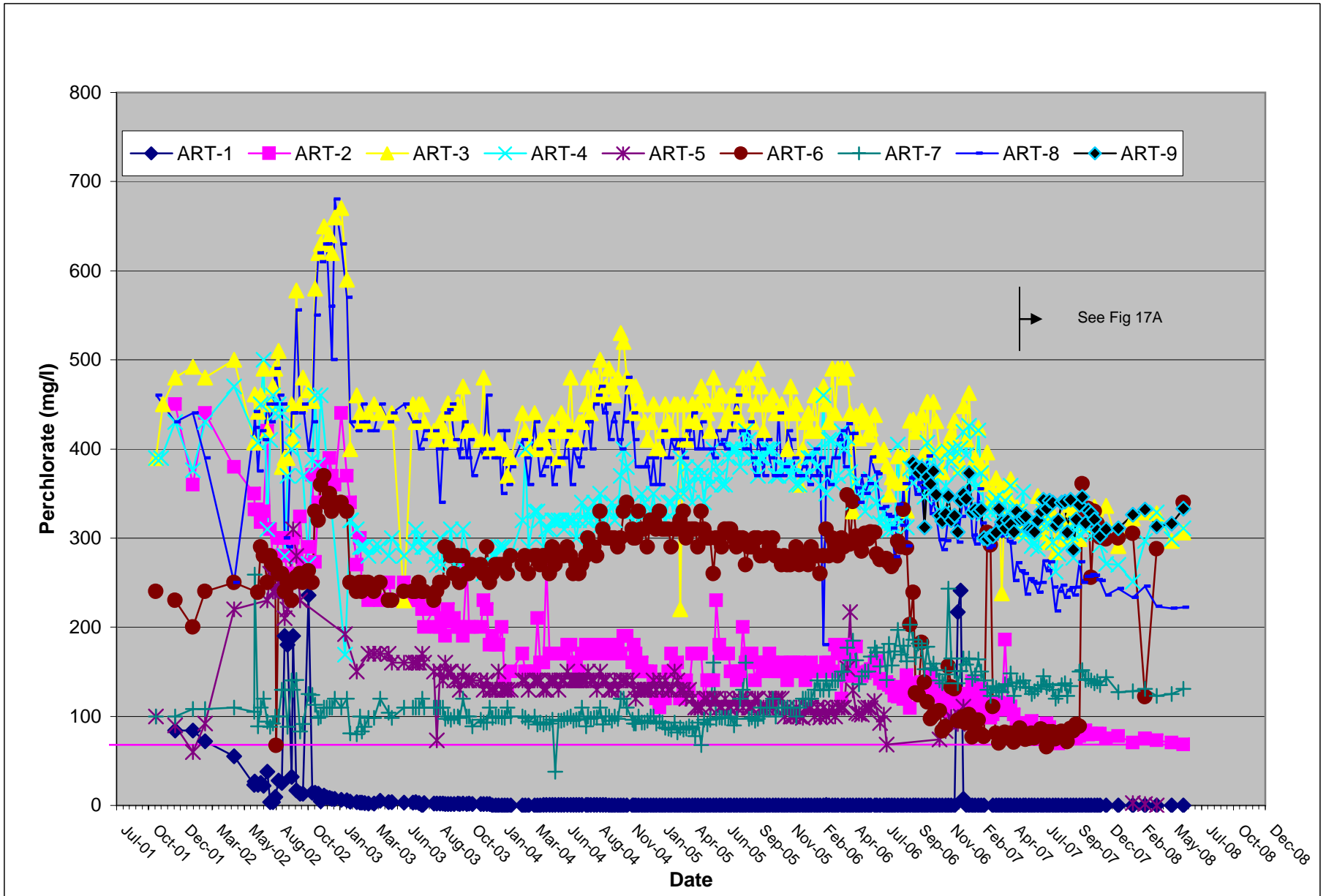
**Figure 16: Well M-100 Perchlorate Concentration vs. Water Elevation Trend Graph**

Tronox LLC, Henderson, Nevada



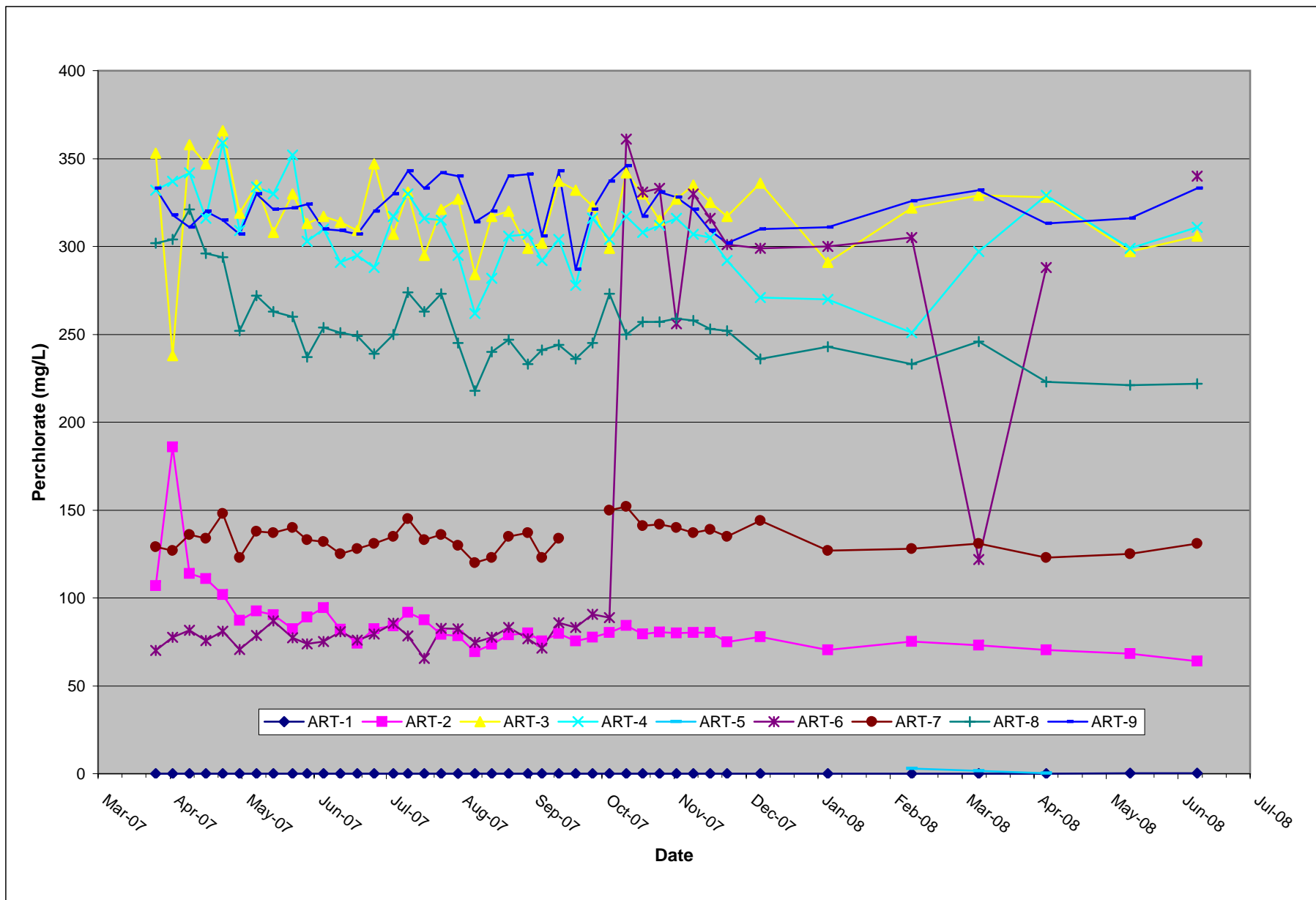
# Figure 17: Athens Road Well Field Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada



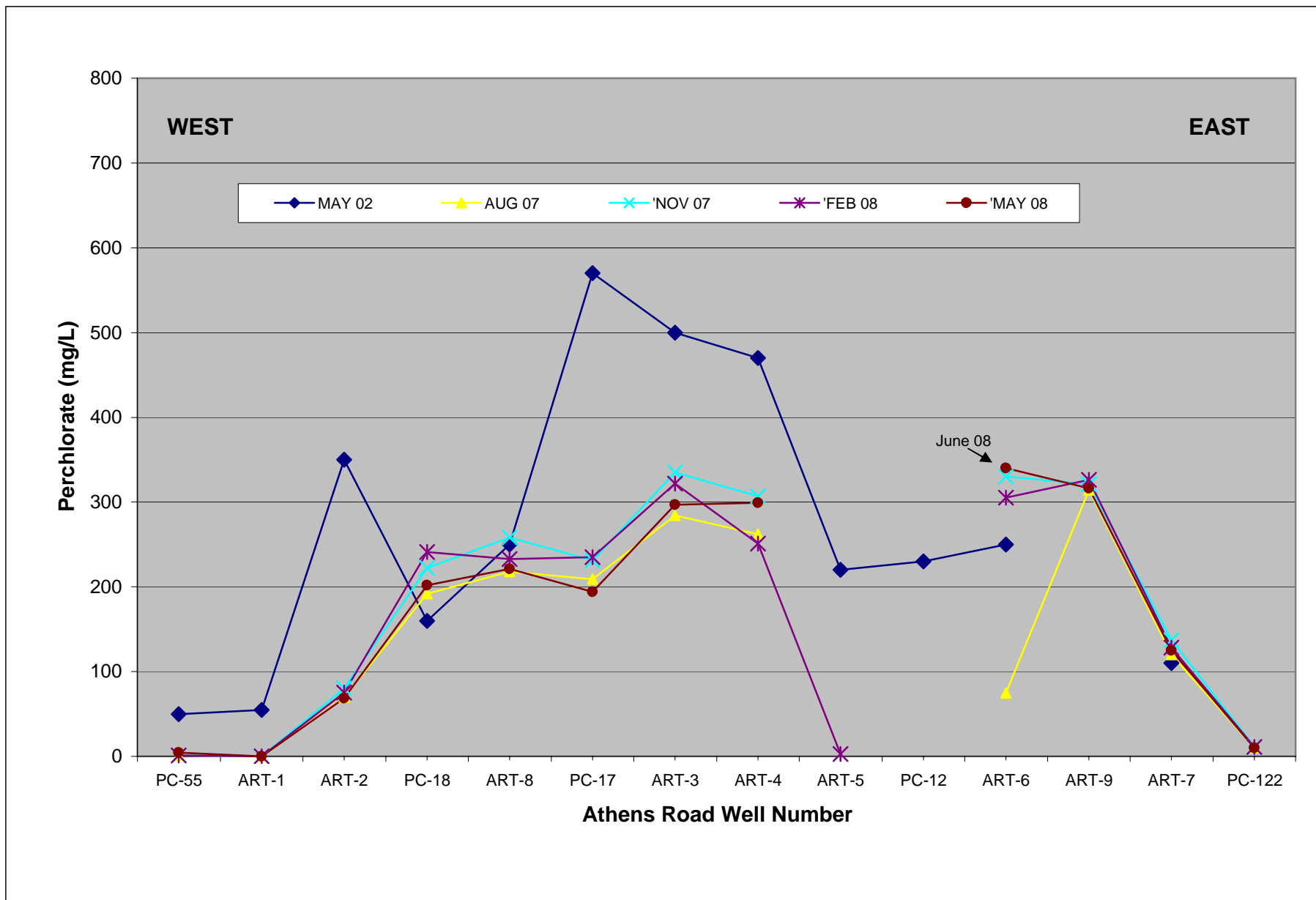
# Figure 17A: Athens Road Well Field Perchlorate Concentration Trend Graph, April 2007- June 2008

Tronox LLC, Henderson, Nevada

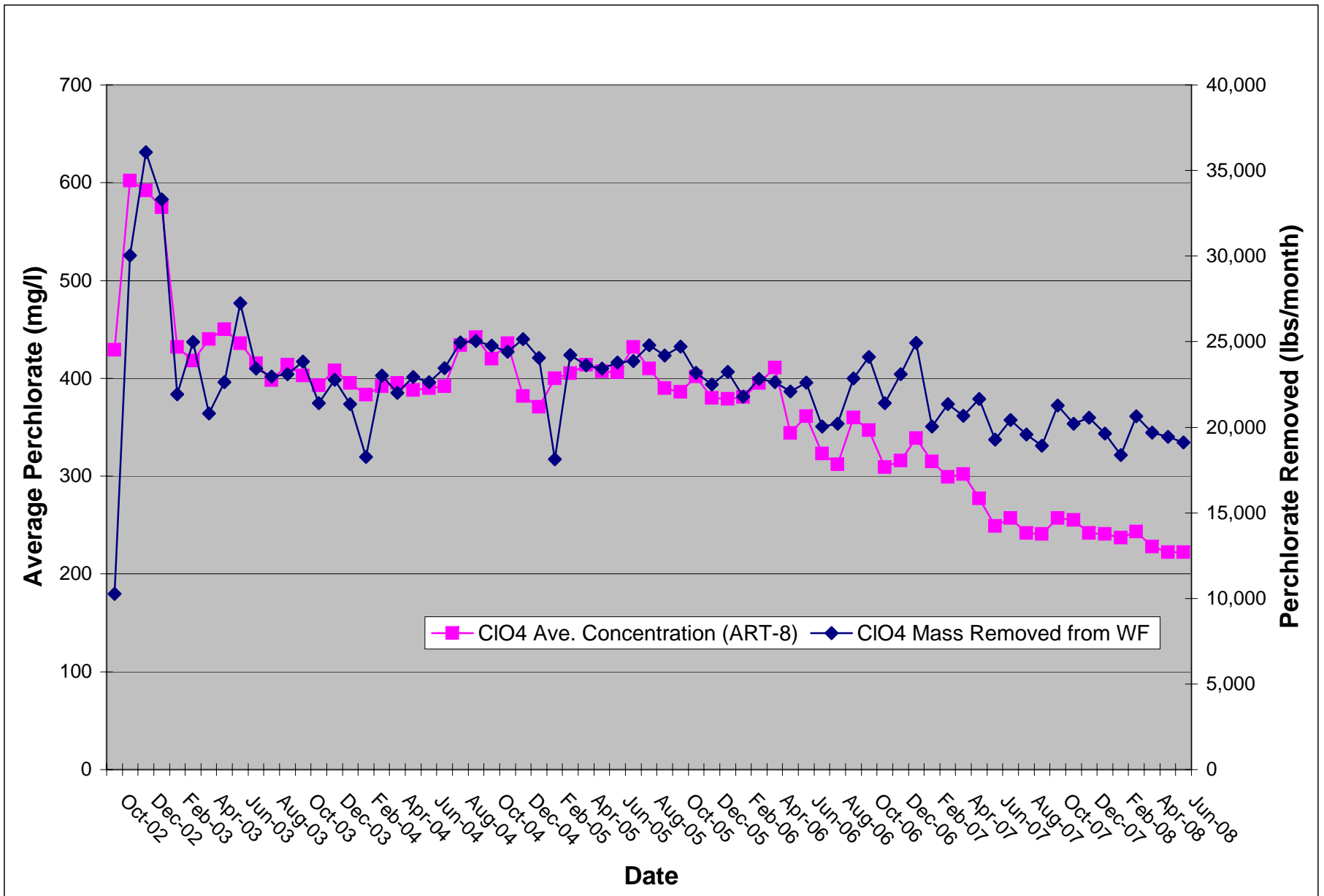


### Figure 18: Athens Road Well Field Perchlorate Concentration Section Graph

Tronox LLC, Henderson, Nevada

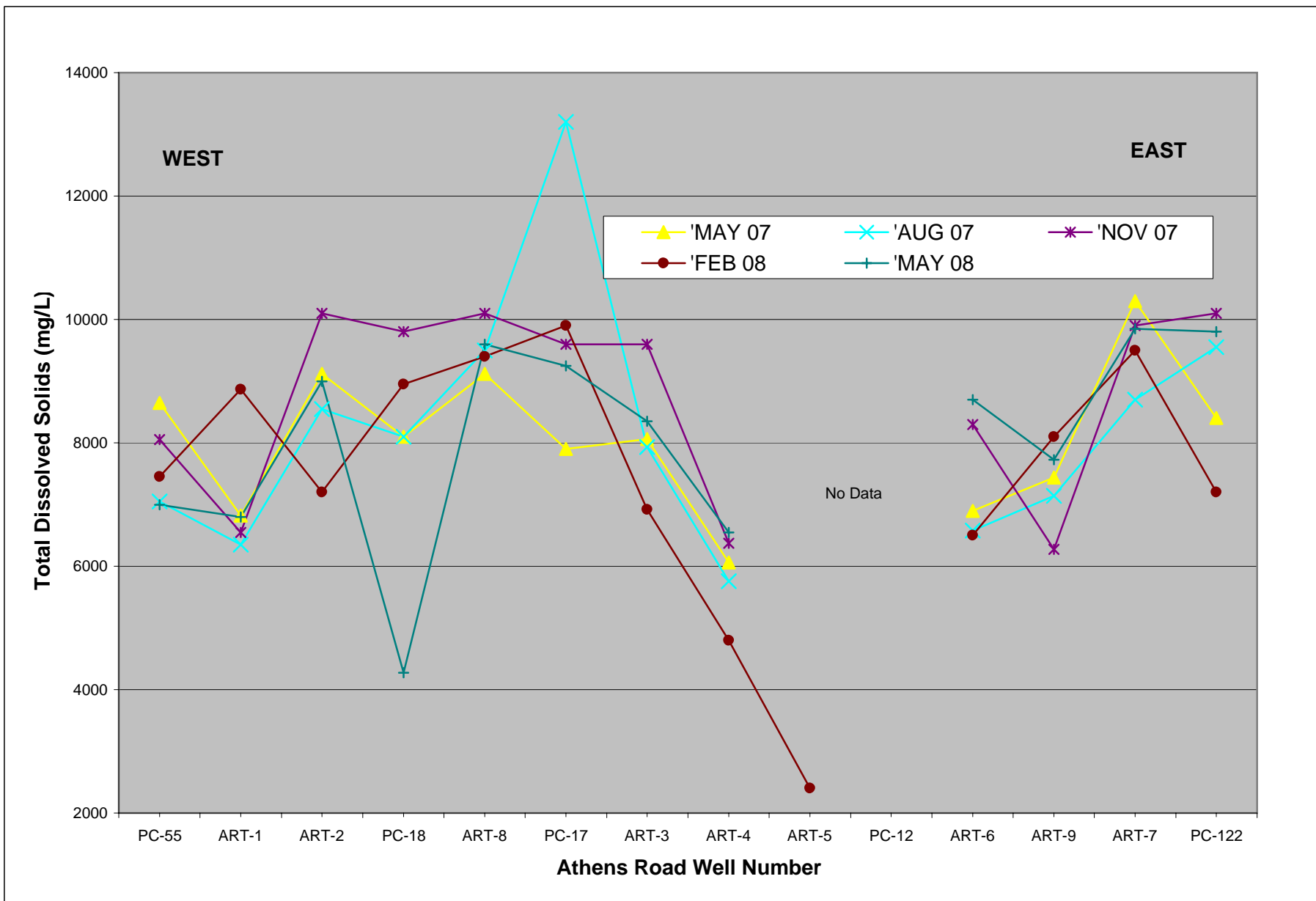


**Figure 19: Athens Road Well Field Average Perchlorate Concentration in ART-8 and Mass Removed**  
 Tronox LLC, Henderson, Nevada



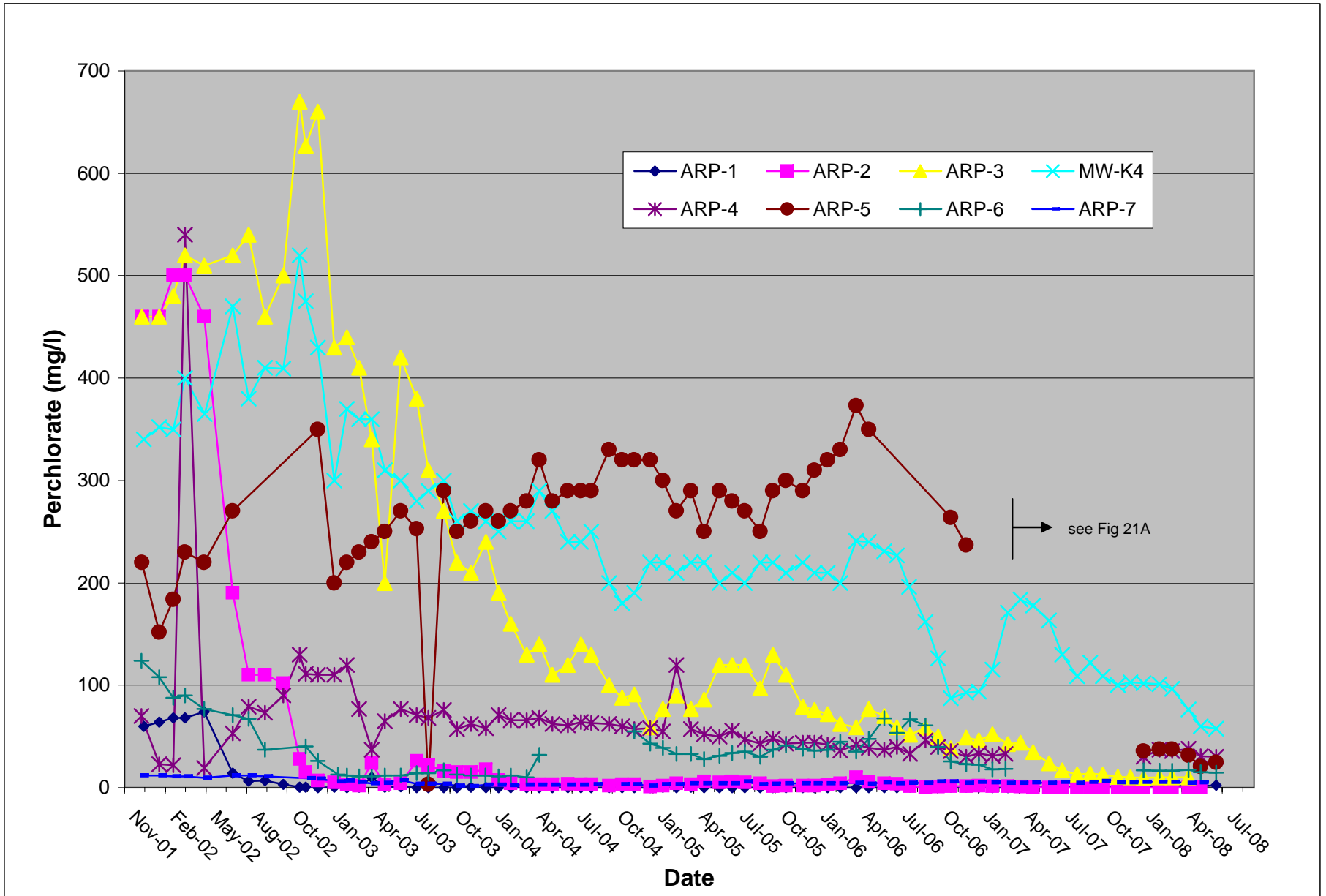
### Figure 20: Athens Road WF Total Dissolved Solids Section Graph

Tronox LLC, Henderson, Nevada



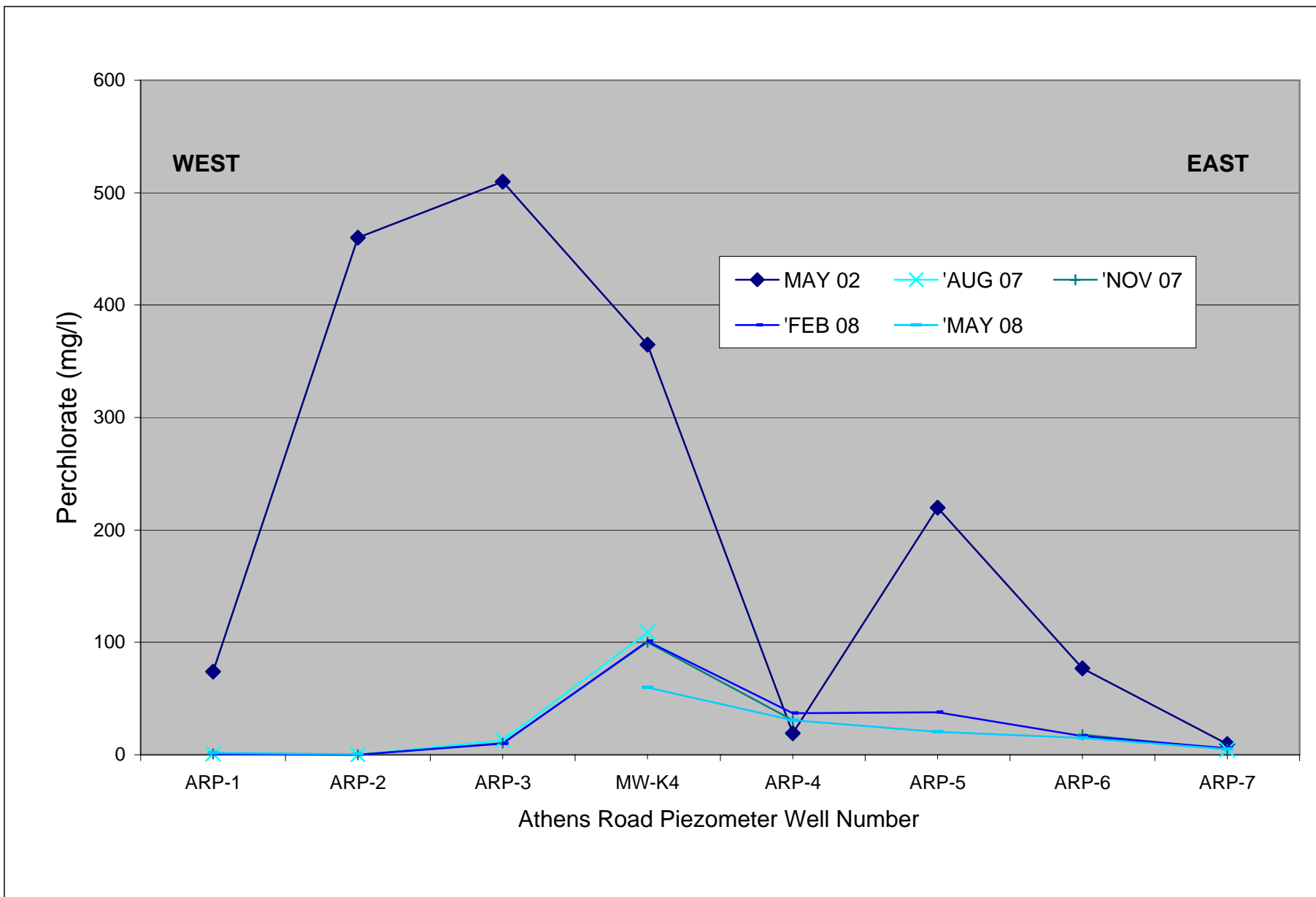
# Figure 21: Athens Road Piezometer Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada



**Figure 22: Athens Road Piezometer Well Line Perchlorate Section Graph**

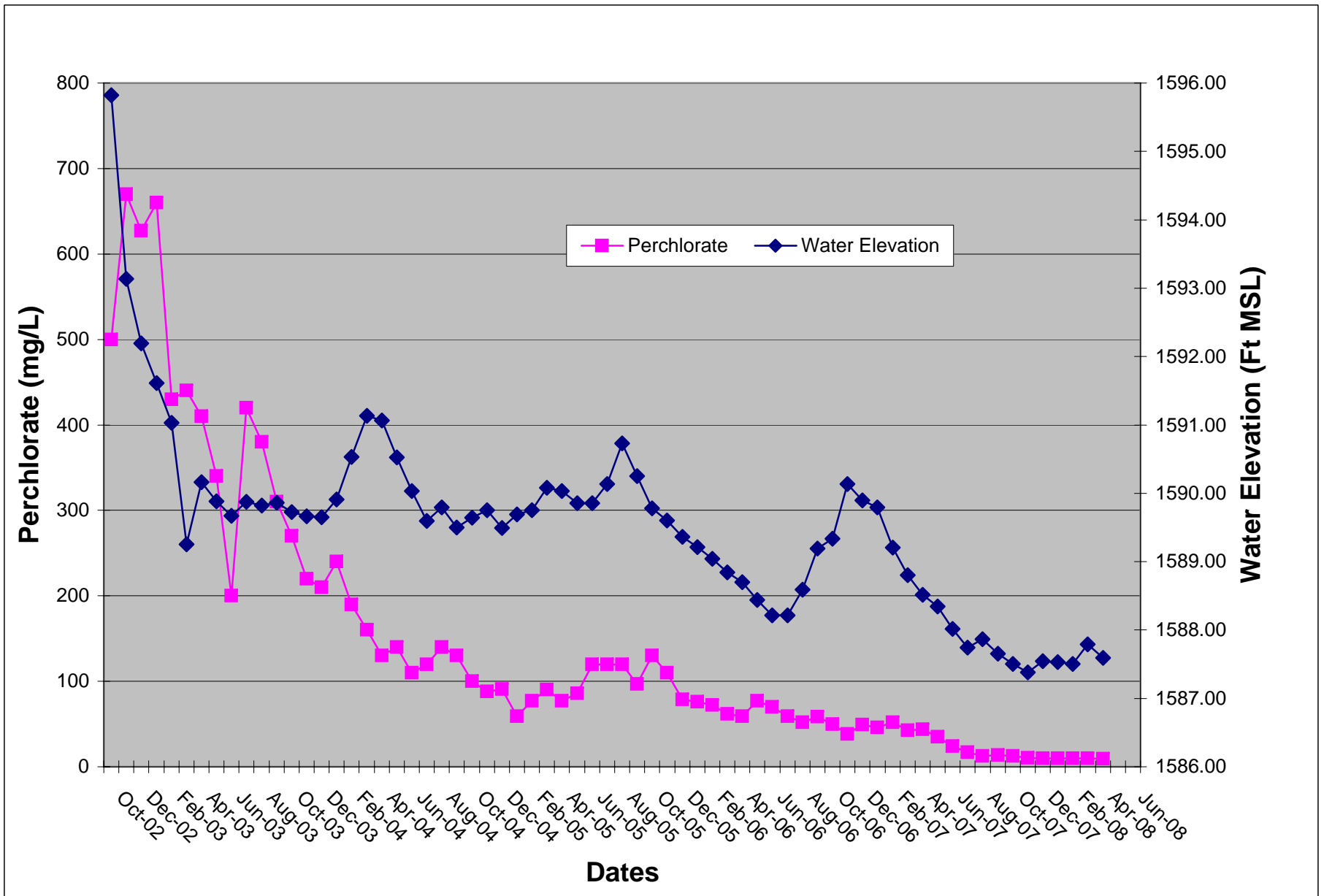
Tronox LLC, Henderson, Nevada





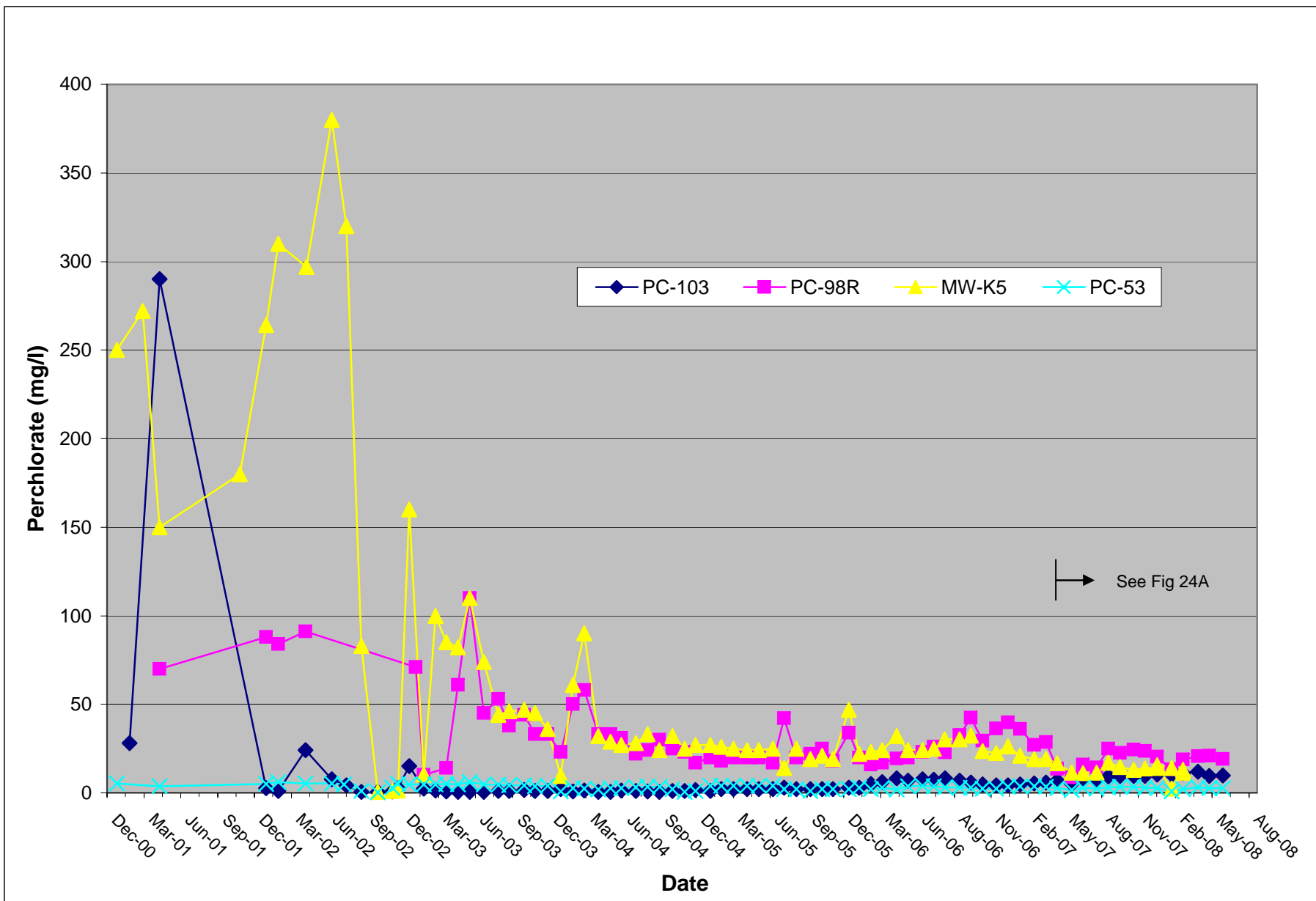
**Figure 23: Athens Road Piezometer ARP-3 Perchlorate vs. Water Elevation Trend Graph**

Tronox LLC, Henderson, Nevada



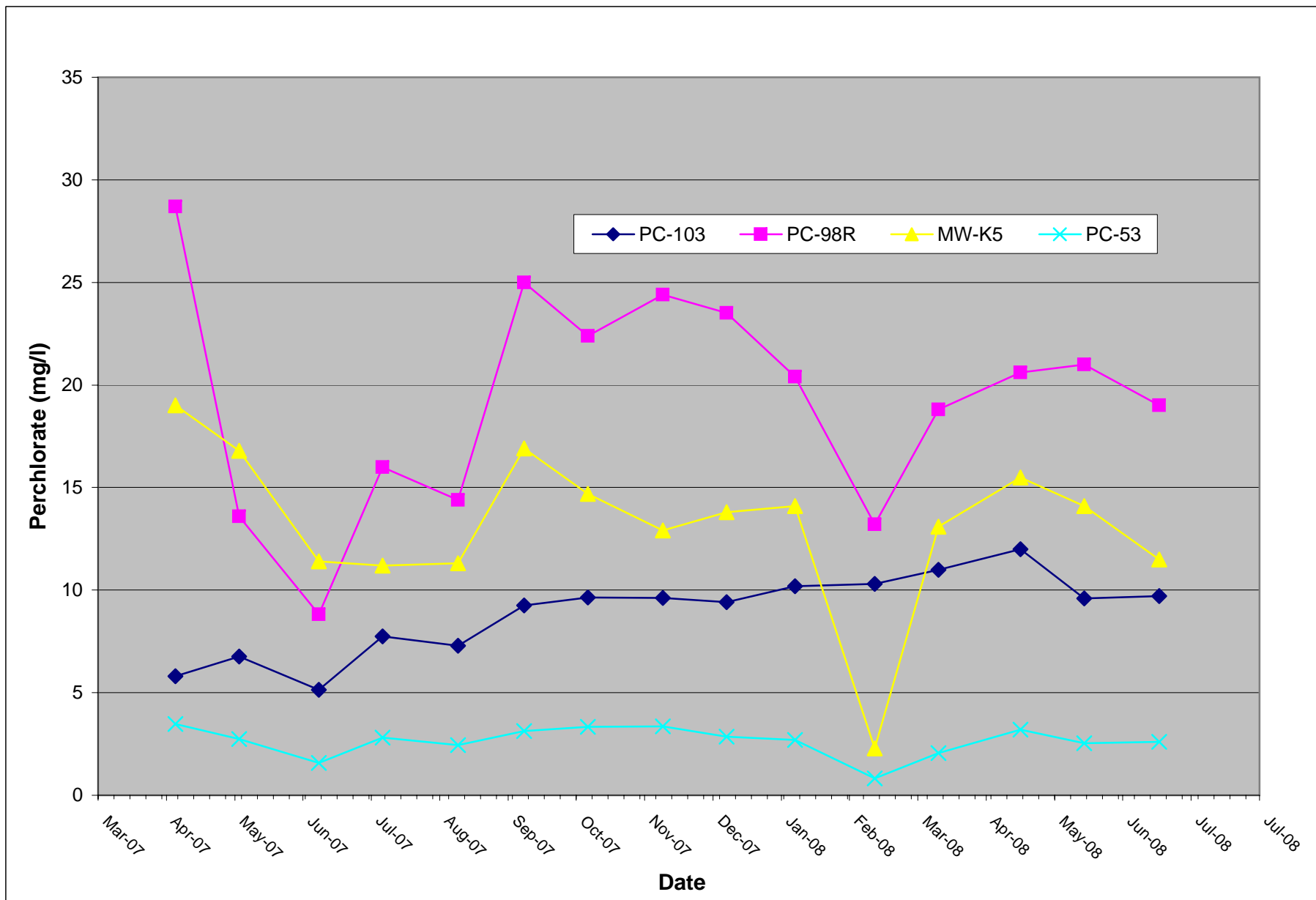
# Figure 24: City of Henderson WRF Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada



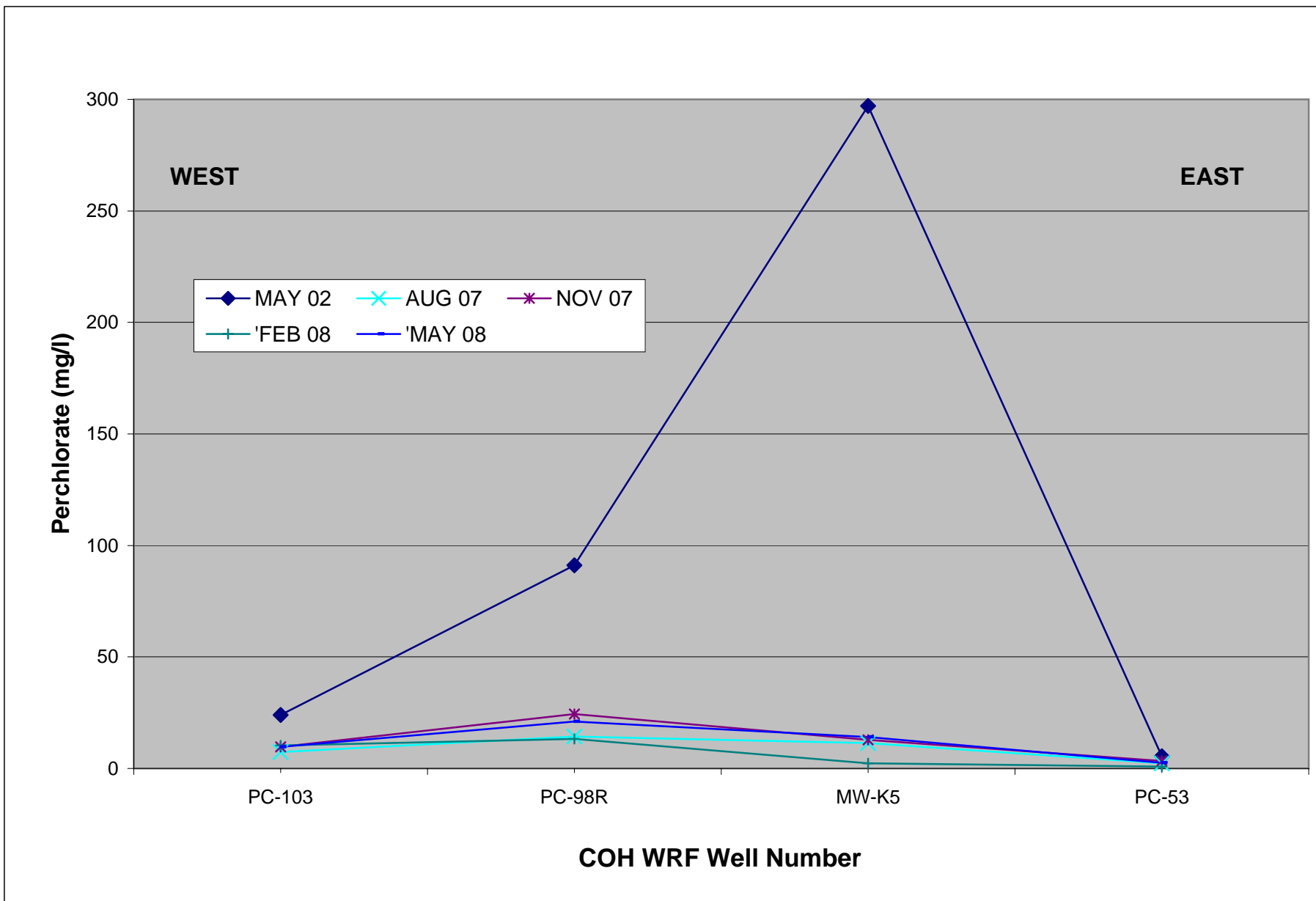
**Figure 24A: COH WRF Well Line Perchlorate Concentration Graph, April 2007 - June 2008**

Tronox LLC, Henderson, Nevada



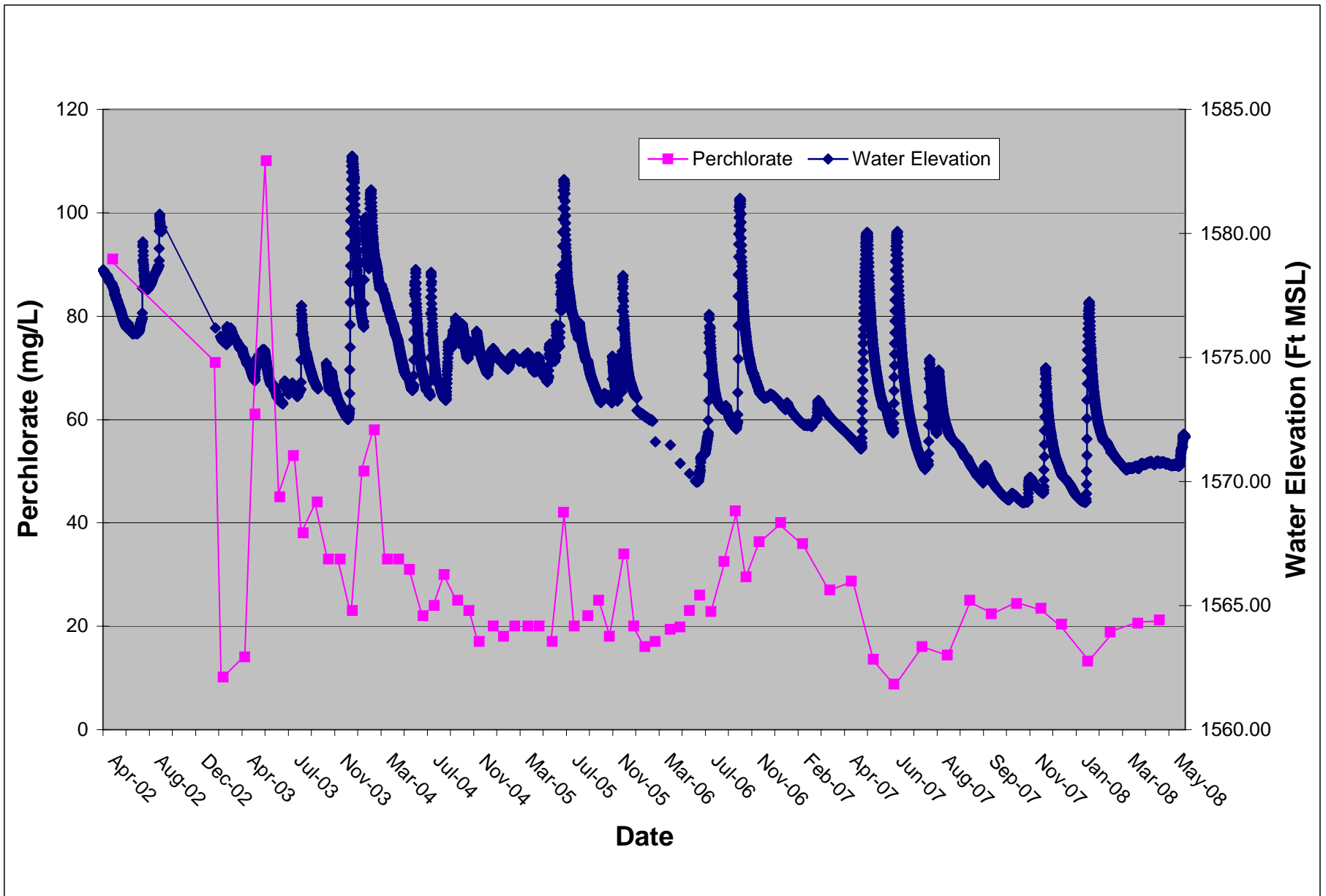
**Figure 25: City of Henderson WRF Perchlorate Concentration Section Graph**

Tronox LLC, Henderson, Nevada



**Figure 26: Well PC-98R Perchlorate Concentration vs. Water Elevation Trend Graph**

Tronox LLC, Henderson, Nevada



# Figure 27: Lower Ponds Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

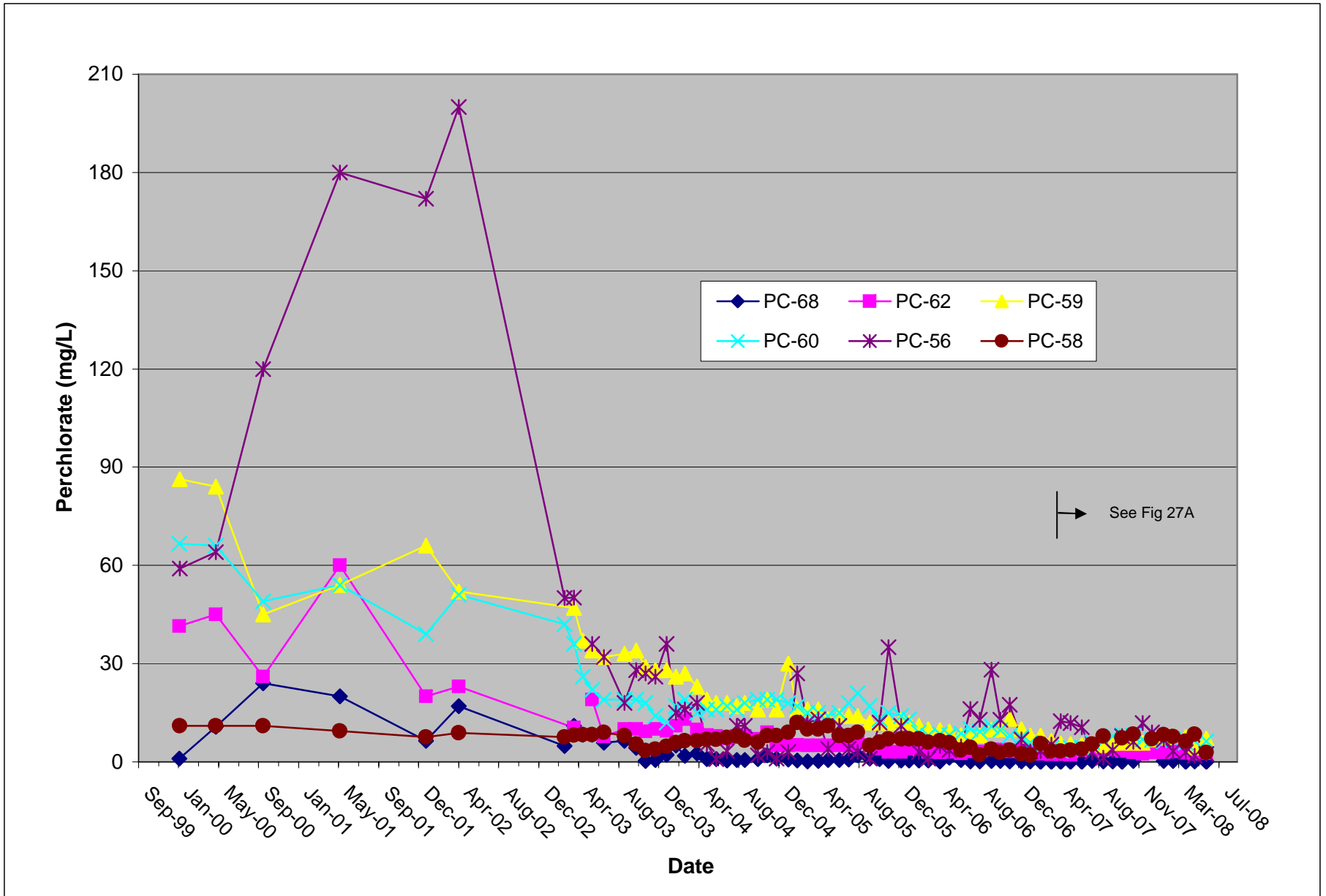
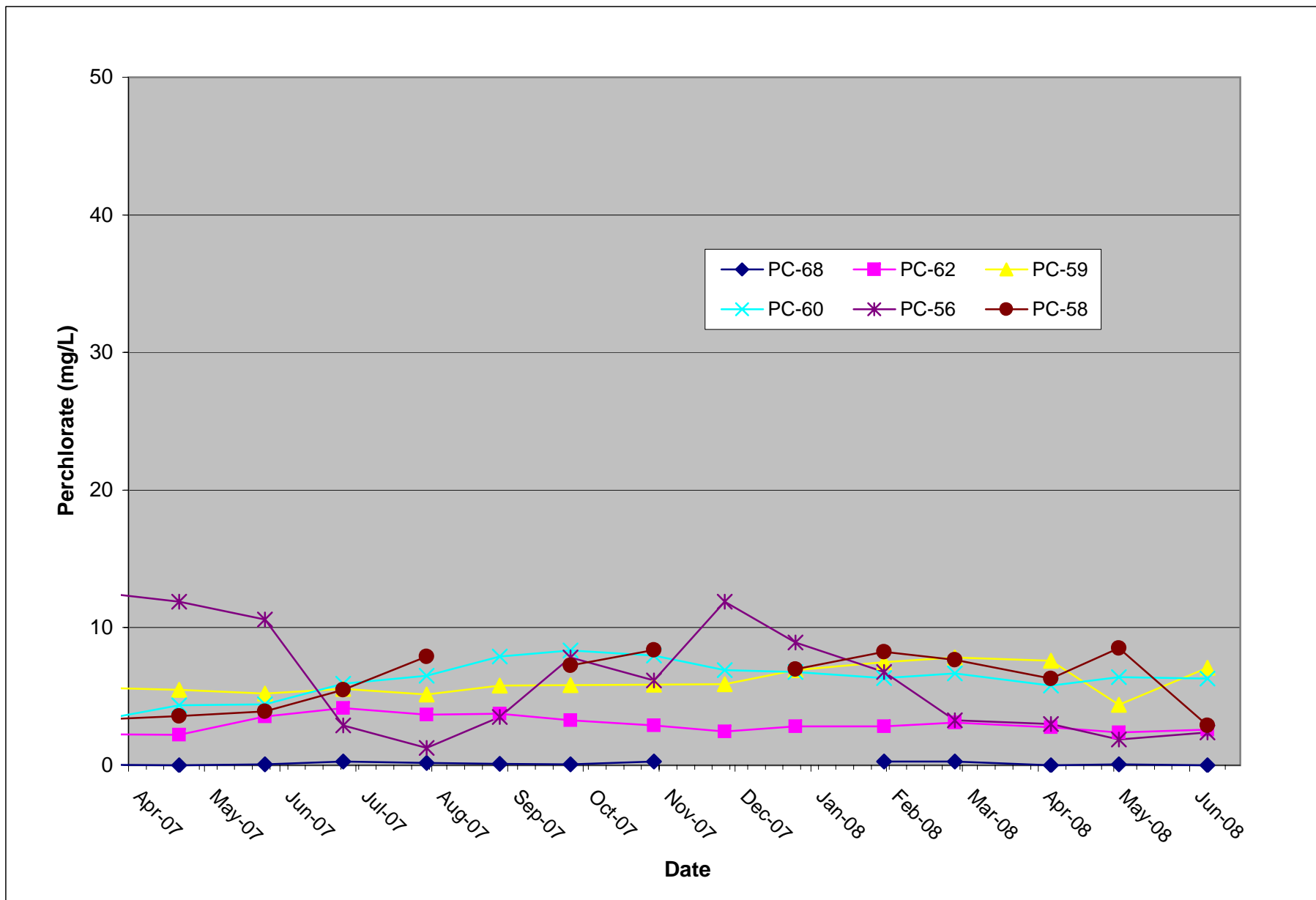


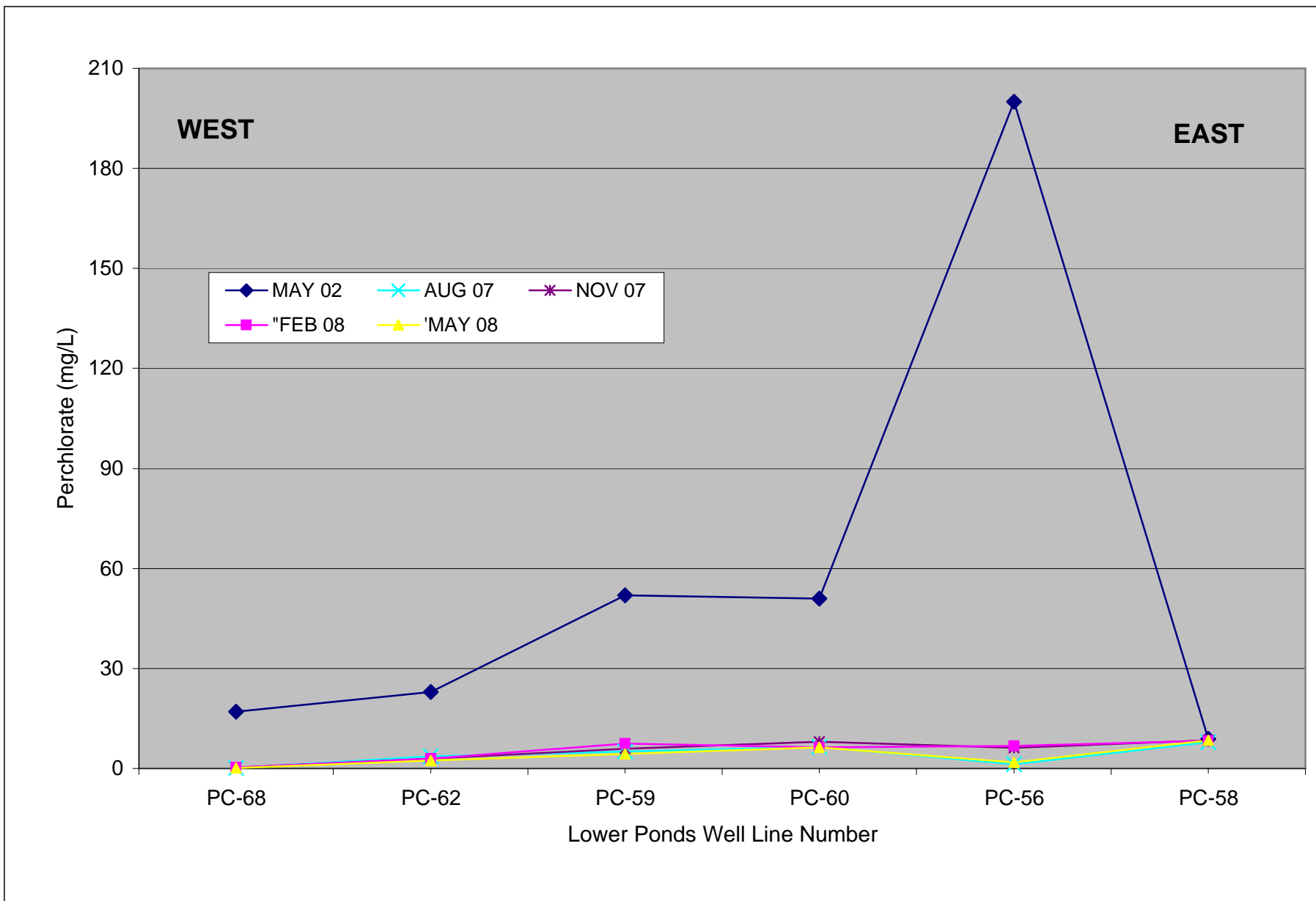
Figure 27A: Lower Ponds Well Line Perchlorate Concentration Trend Graph, April 2007 - June 2008

Tronox LLC, Henderson, Nevada



**Figure 28: Lower Ponds Well Line Perchlorate Concentration Section Graph**

Tronox LLC, Henderson, Nevada

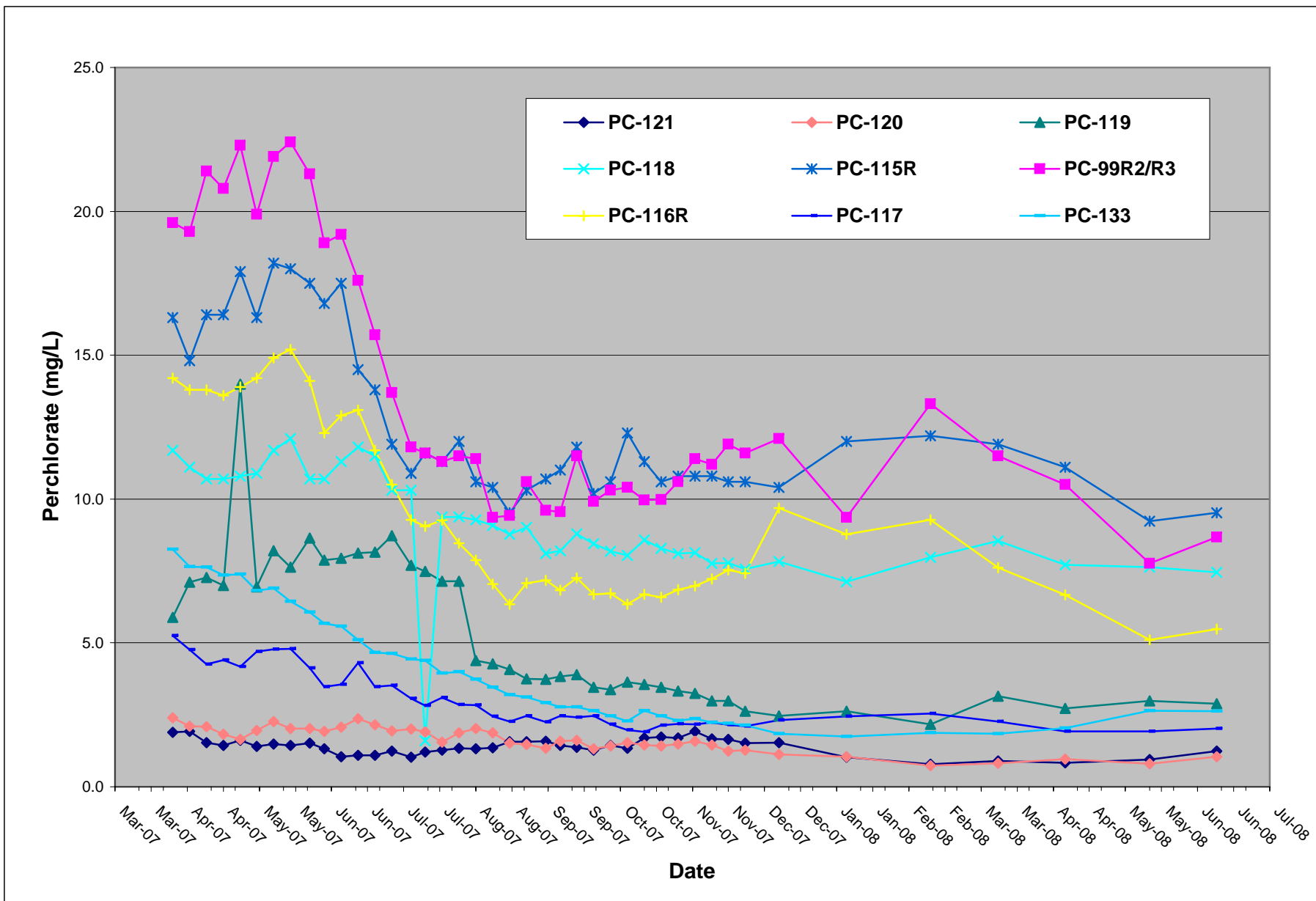






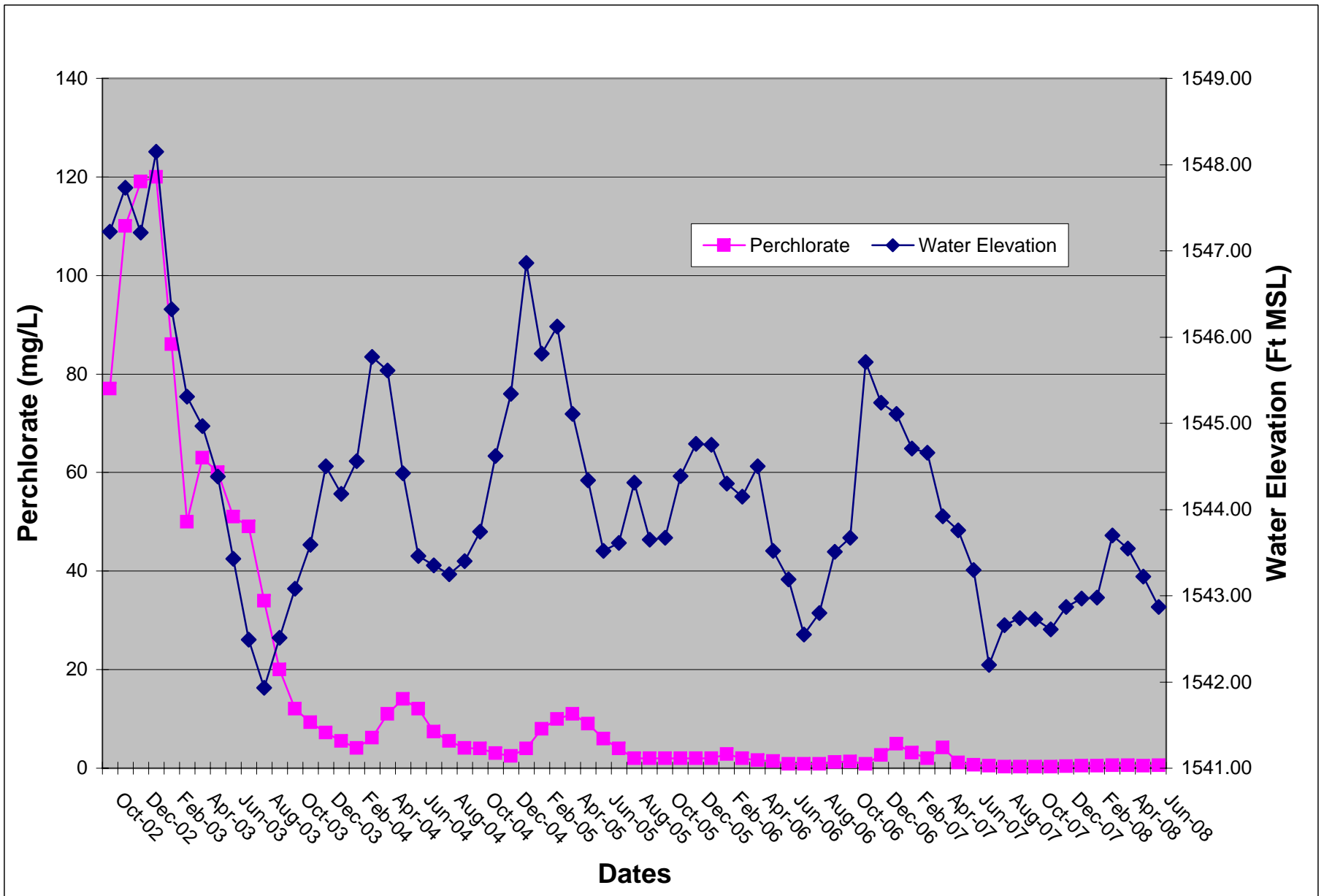
# Figure 29A: Seep Well Field Perchlorate Concentration Trend Graph, April 2007 - June 2008

Tronox LLC, Henderson, Nevada



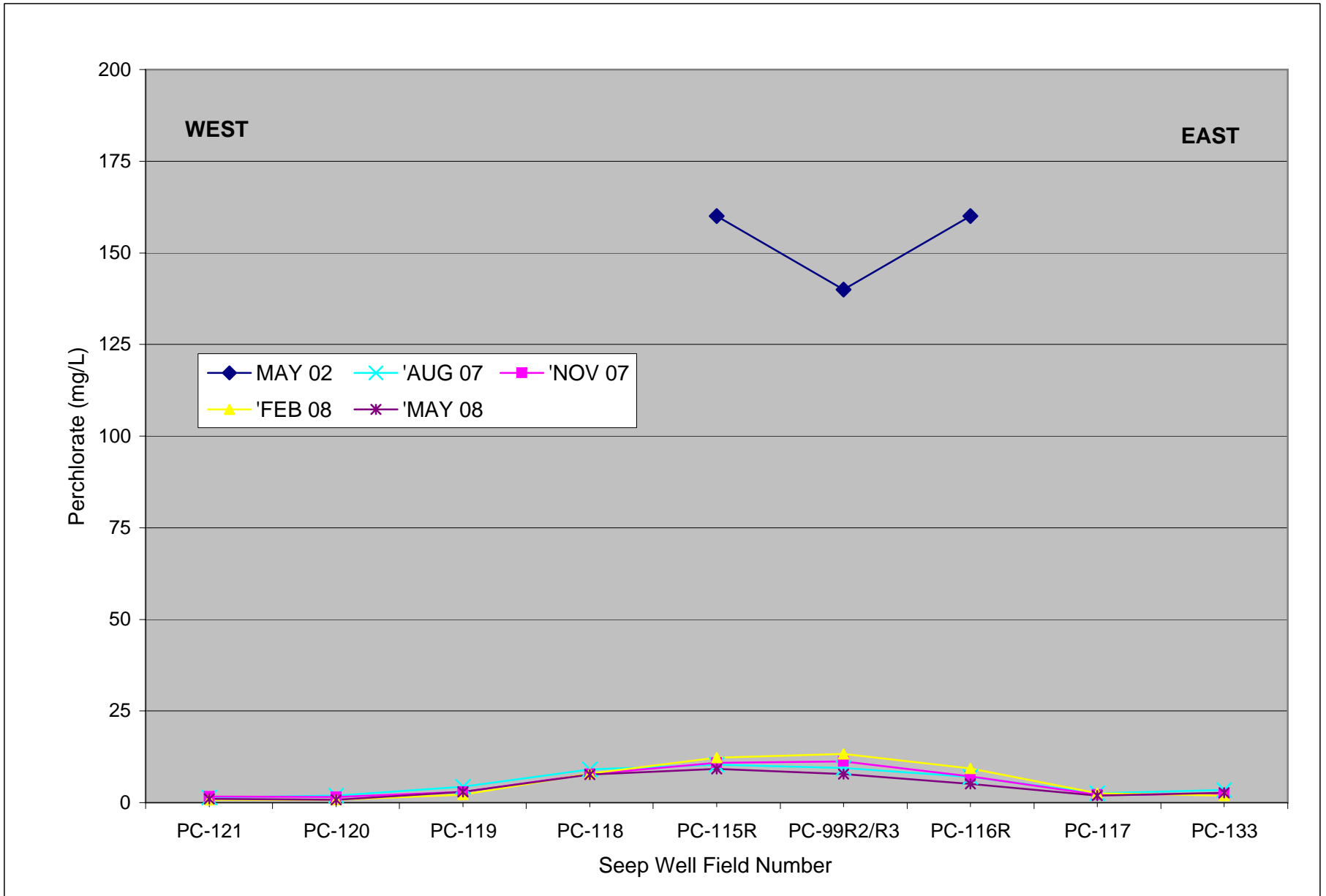
**Figure 30: Well PC-97 Perchlorate vs. Water Elevation Trend Graph**

Tronox LLC, Henderson, Nevada



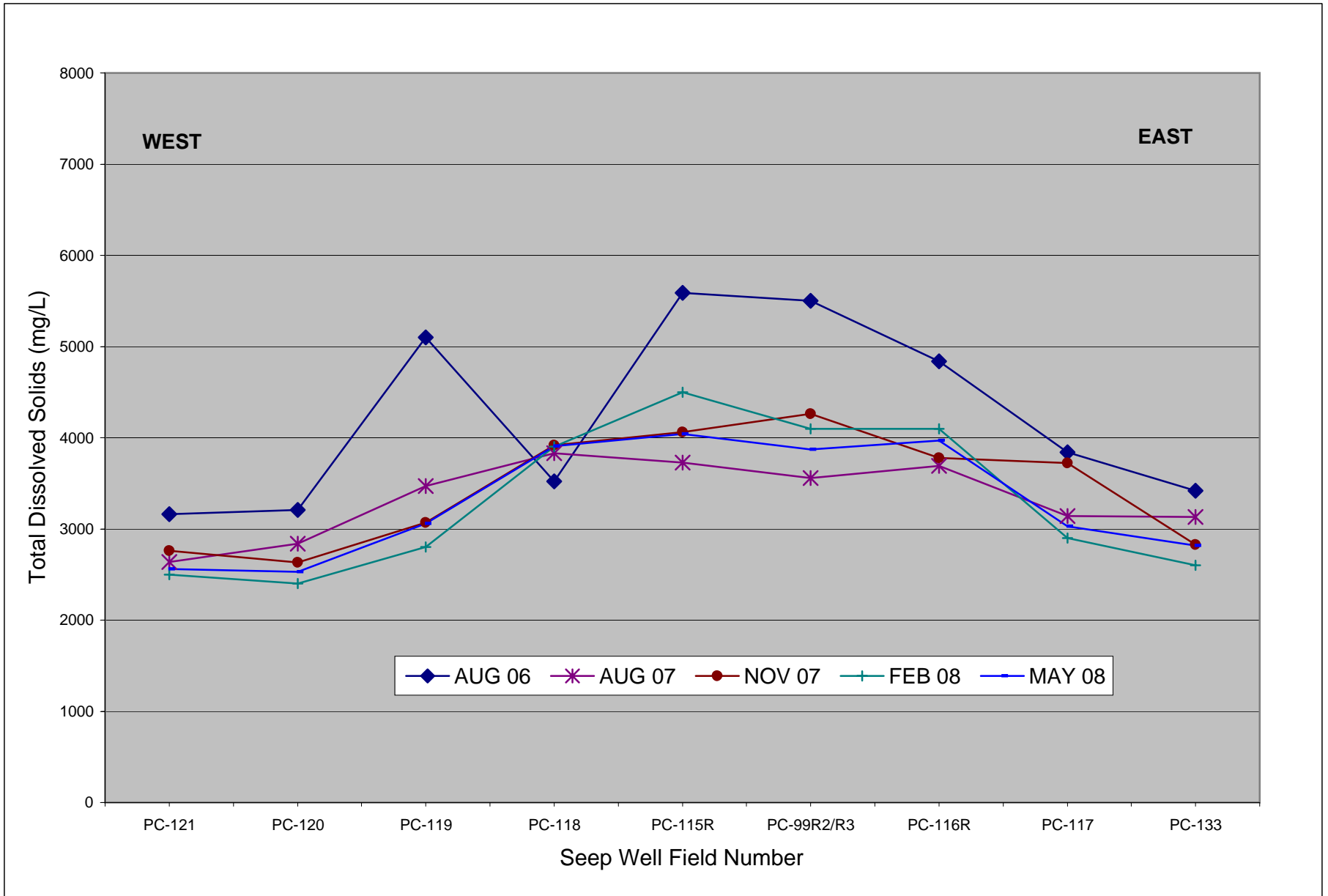
**Figure 31: Seep WF Perchlorate Section Graph**

Tronox LLC, Henderson, Nevada



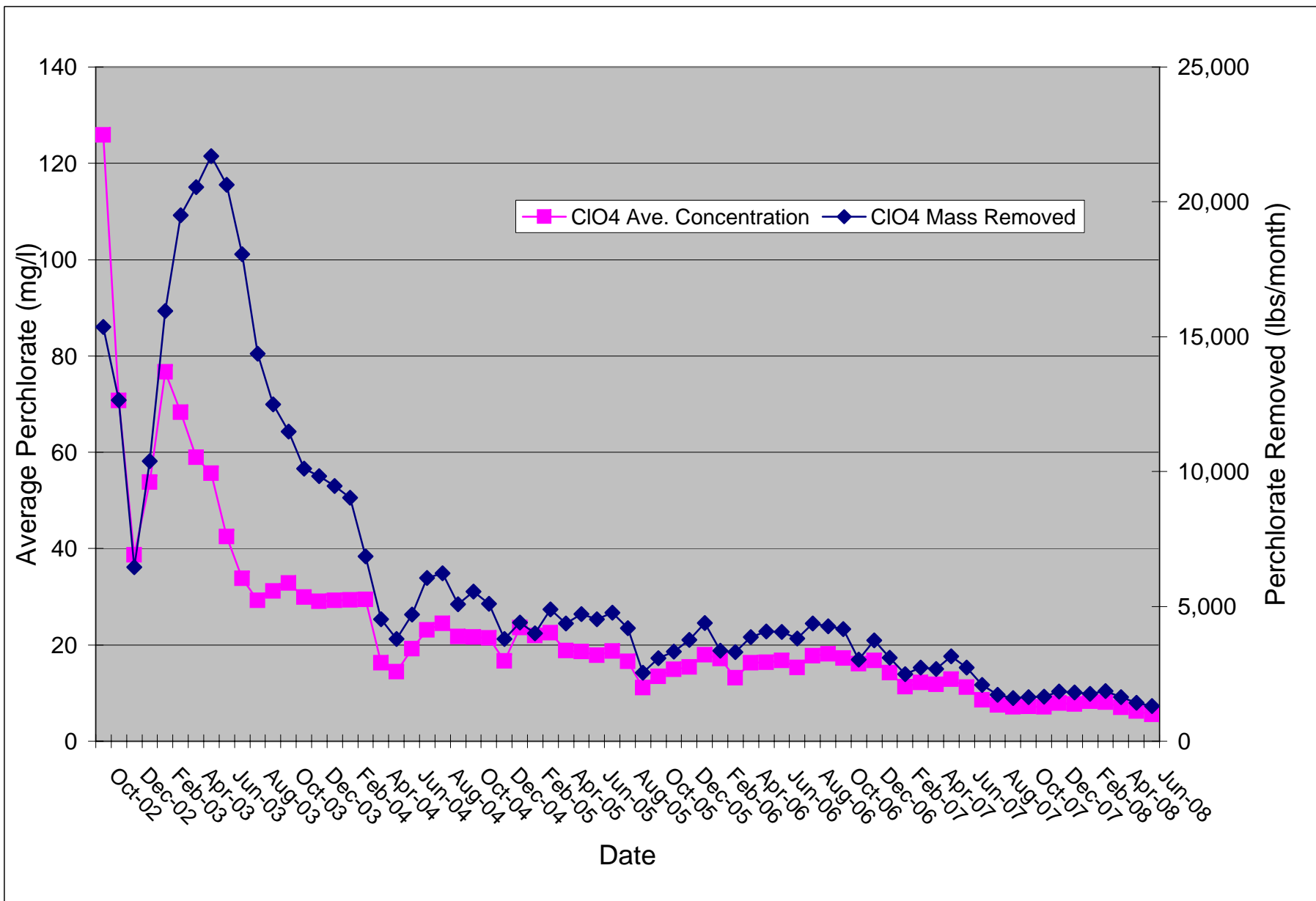
### Figure 32: Seep WF Total Dissolved Solids Section Graph

Tronox LLC, Henderson, Nevada



**Figure 33: Seep Area Average Perchlorate Concentration and Mass Removed**

Tronox LLC, Henderson, Nevada



### Figure 34: Seep Stream Flow vs. Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

