

**US Army Corps
of Engineers
Baltimore District**

Fort Detrick Remedial Investigation/Feasibility Study

Restoration Advisory Board Meeting

**13 June 2000 7:30 PM
Fort Detrick, Frederick, Maryland**



**US Army Corps
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Fort Detrick RI/FS

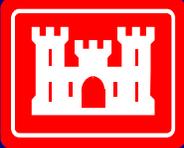
Area A Update

Schedule:

Revised RI (Final)
FS (Final)
PP (PROPOSED PLAN)
DD (DECISION DOCUMENT)
RD (REMEDIAL DESIGN)
RA (REMEDIAL ACTION)
CC (CONSTRUCTION COMPLETE)
LTM (LONG TERM MONITORING)

Completion Date

Jun 00
Jul 00
Aug 00
Sep 00
Apr 01
Jul 01
Oct 01
Nov 21



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Area B Update

DOCUMENTS

COMPLETED

Engineering Evaluation/Cost Analysis (EECA) Area B-11 Chemical Waste Disposal Pits (Feb 00)
EECA (Proposed Plan) (May 00)

PENDING

EECA (Decision Document)

RI (Draft Final)

RI (Final)

FS (Draft)

FS (Draft Final)

FS (Final)

PP

DD

PP

DD

RD

RA

Groundwater Treatability Study

Quantitative Ecological Risk Assessment Work Plan

Dye Trace Study Work Plan

Public Involvement and Response Plan

Area B sites may be presented as separate documents. The partnering group is assessing the content for these documents.

Completion Date

Jul 00

Schedule being developed

June 00



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Area B Update

Completed and Planned Field Activities

COMPLETED

- Area B perimeter sampling completed 9 Feb 00
- Area B quarterly sampling completed May 00

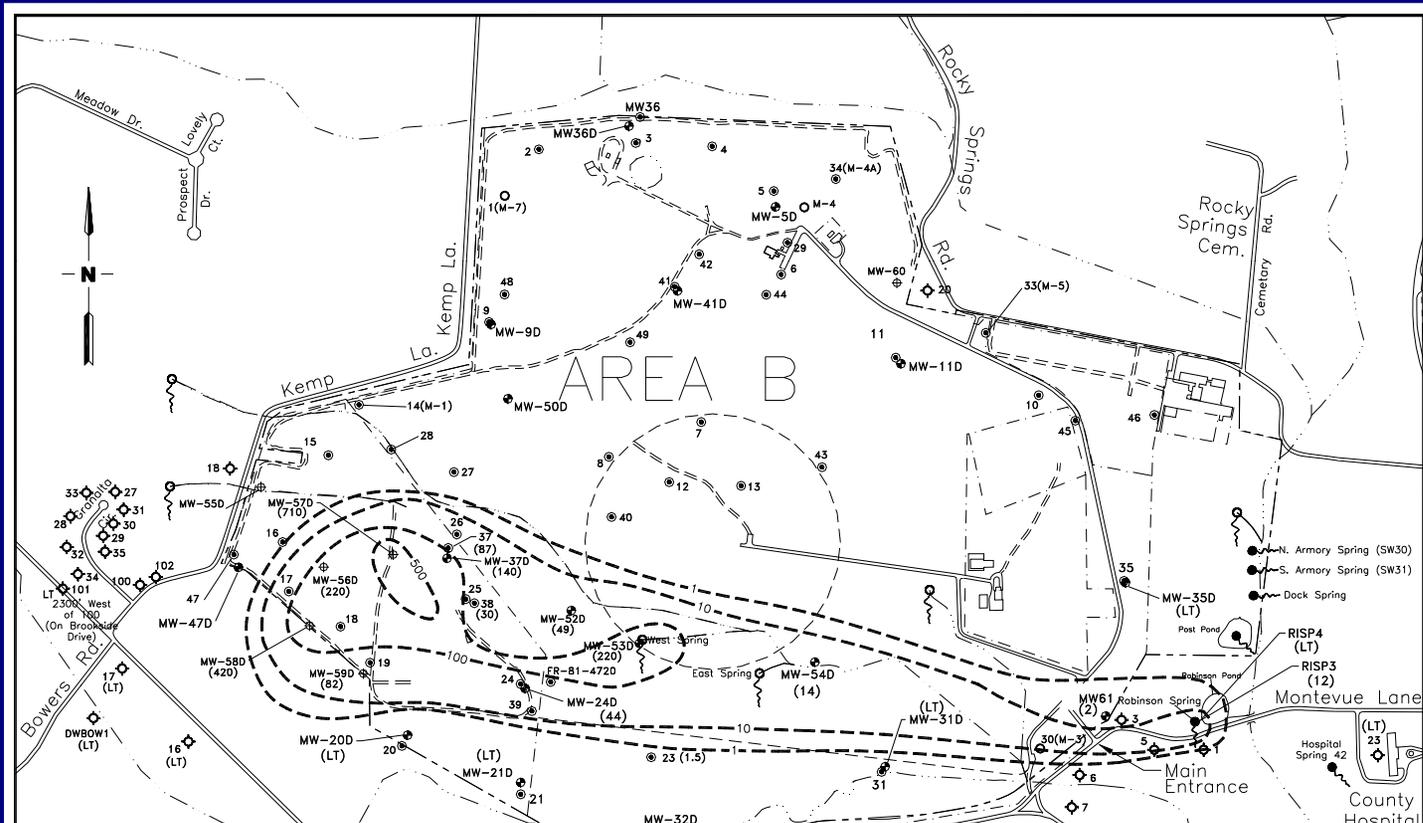
PLANNED

- Residential Well Survey and Sampling
- Well 57D Rehabilitation - Schedule being developed
- Additional periodic residential and on-post well and surface water sampling - same schedule as 1999
- Dye trace study - Schedule being developed
- Dye trace study pre-tasks to include:
 - Geological Mapping
 - Stream Gauging
- Water Treatment System (Krantz) - Army waiting on Rights-of-Entry/Checking on immediate future of Krantz Property.



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Fort Detrick RI/FS TCE Data May 2000



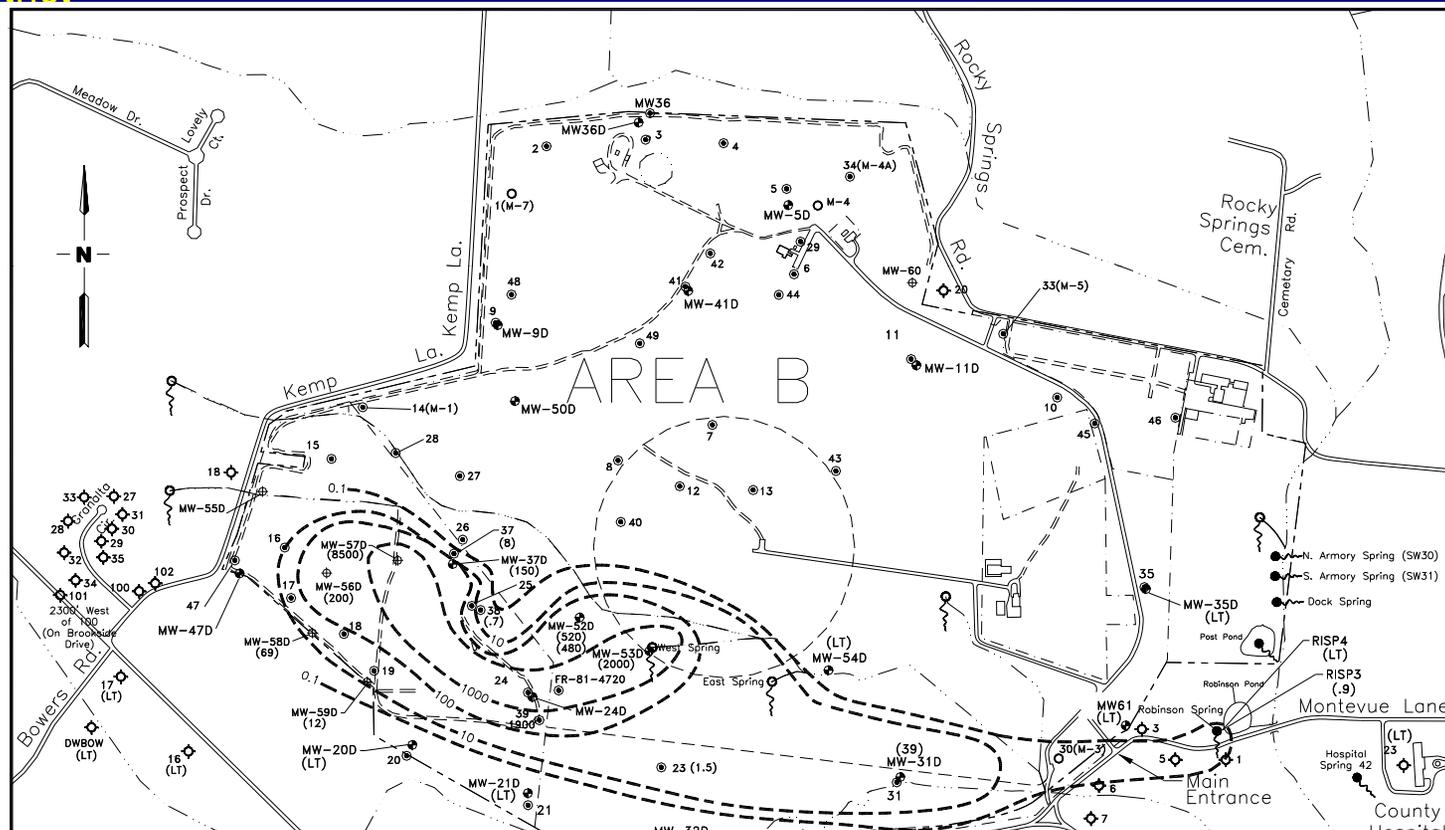
- Concentrations higher in hot spot area, very similar to Fall 99 in other areas
- Most elevated concentration now at well 57D





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Fort Detrick RI/FS PCE Data May 2000



- Concentrations lower than Nov. 1999
- Most elevated concentration at well 57D

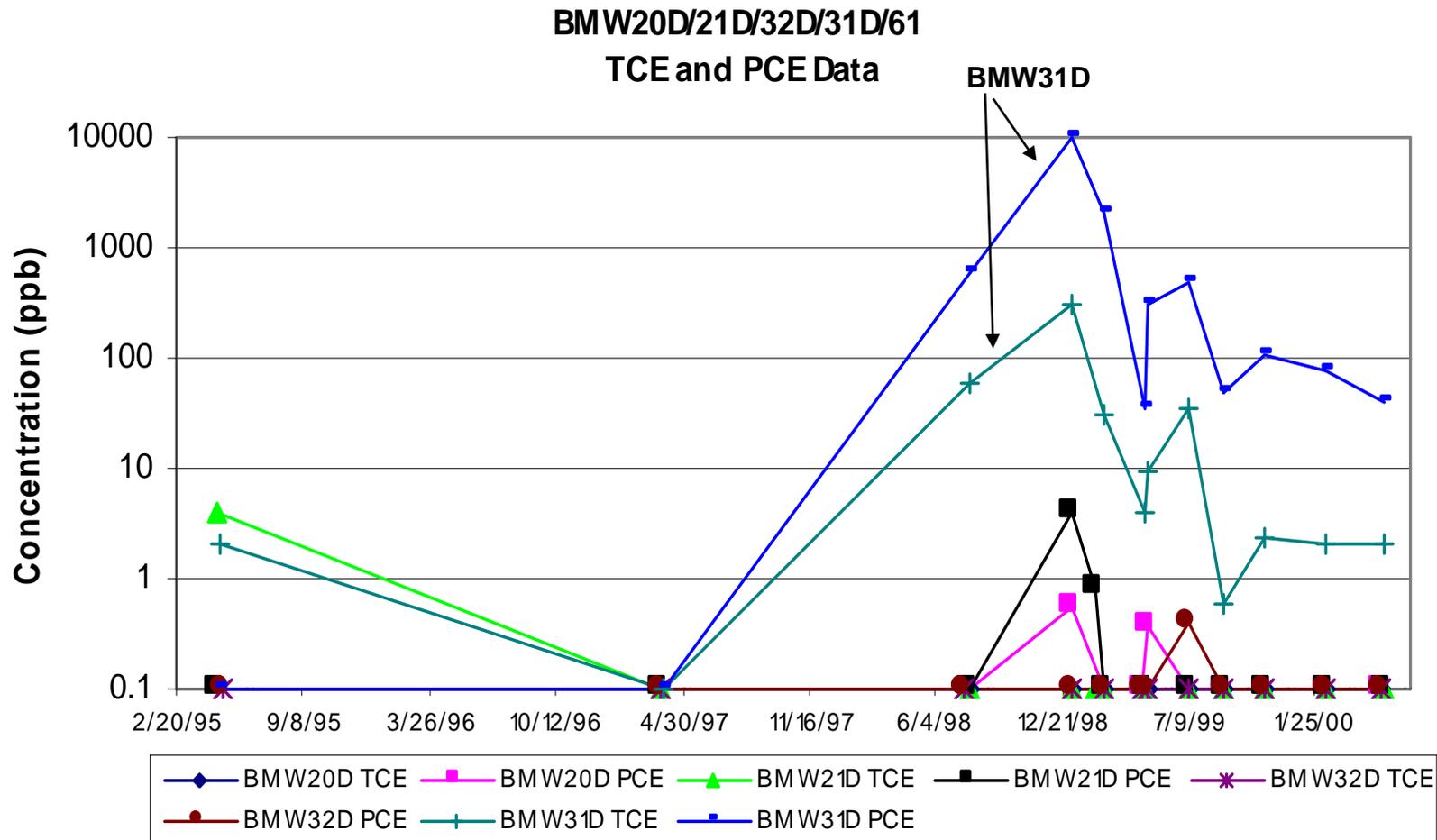




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TCE and PCE Data Trends - Perimeter Wells



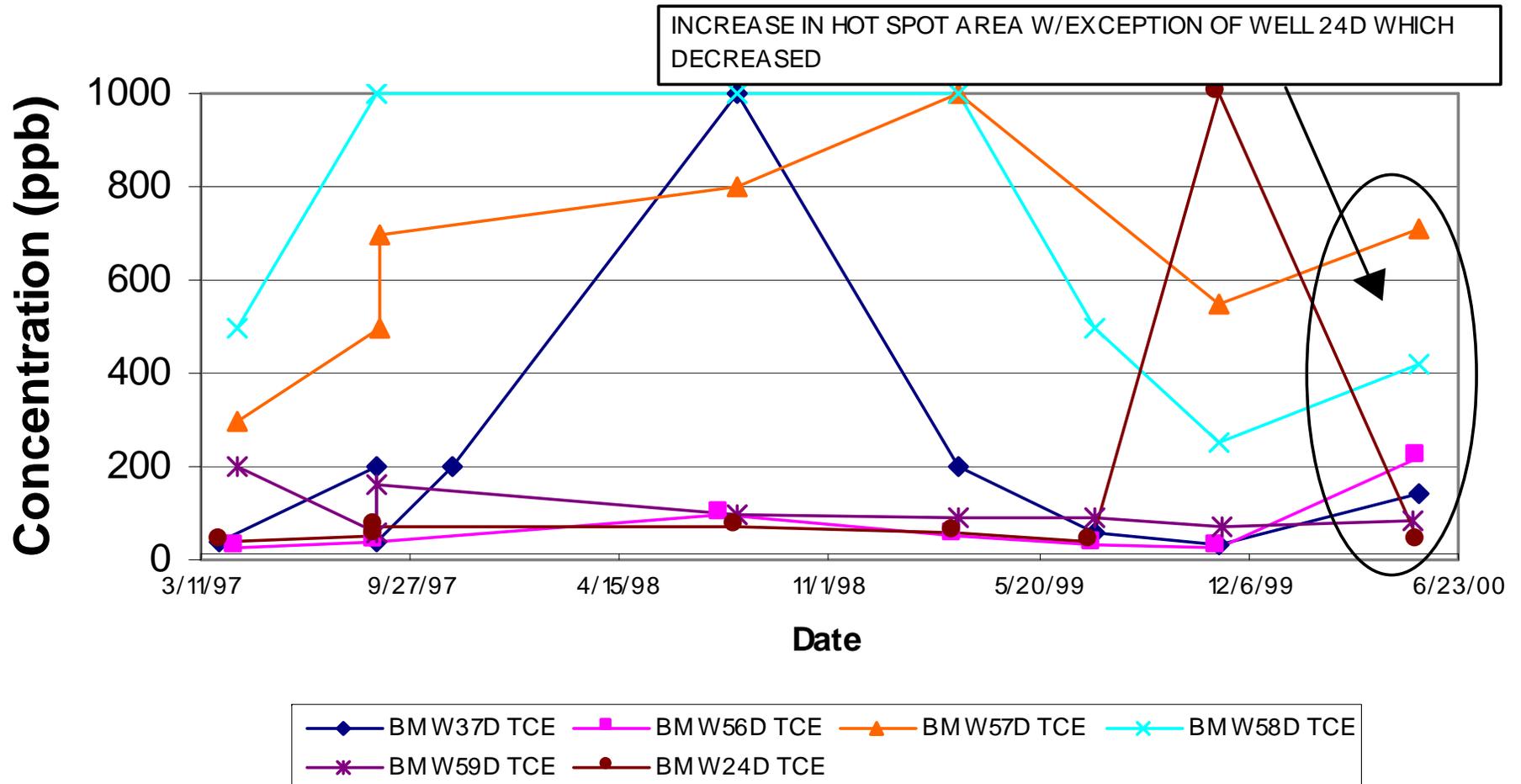


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Data Trends - Area B Interior Wells - Hot Spots

BMW24D/37D/56D/57D/58D/59D TCE Data





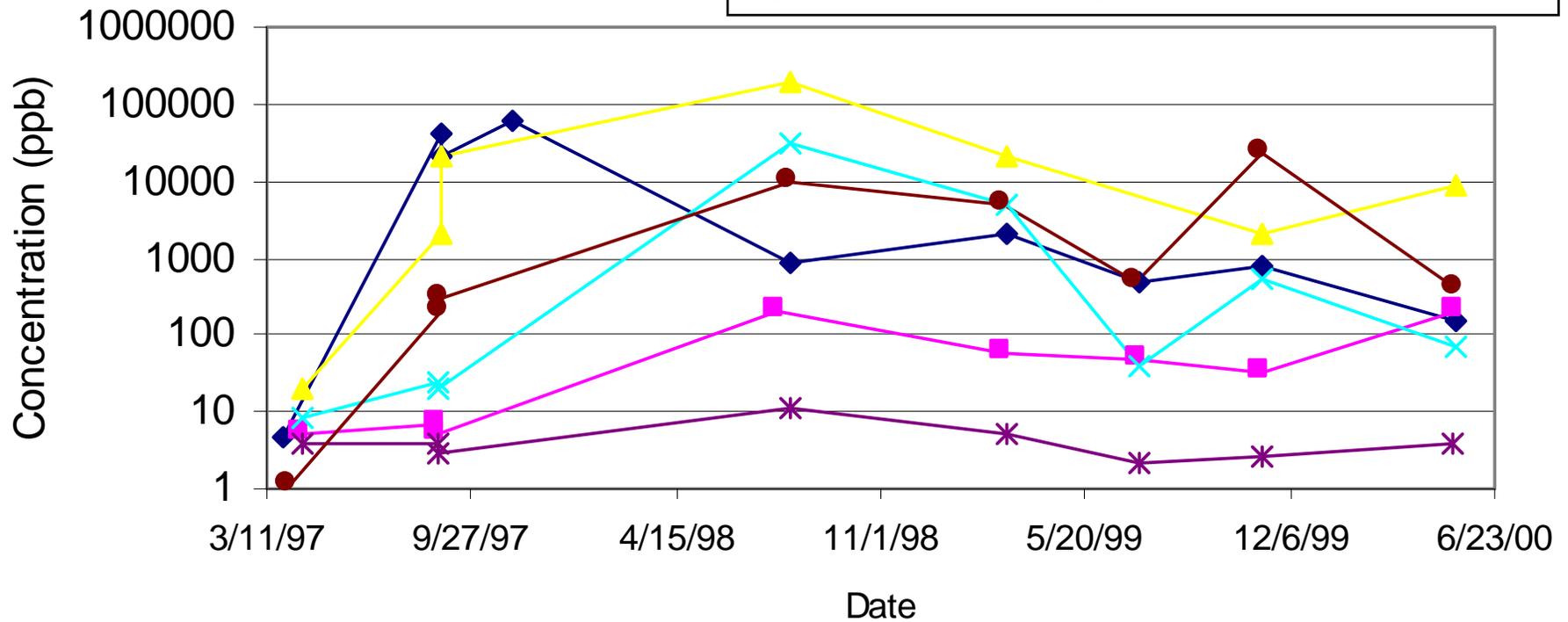
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Data Trends - Area B Interior Wells - Hot Spots

BMW24D/37D/56D/57D/58D/59D PCE Data

LARGE DECREASE IN CONCENTRATION AT WELL 24D.
NO DECERNABLE TRENDS



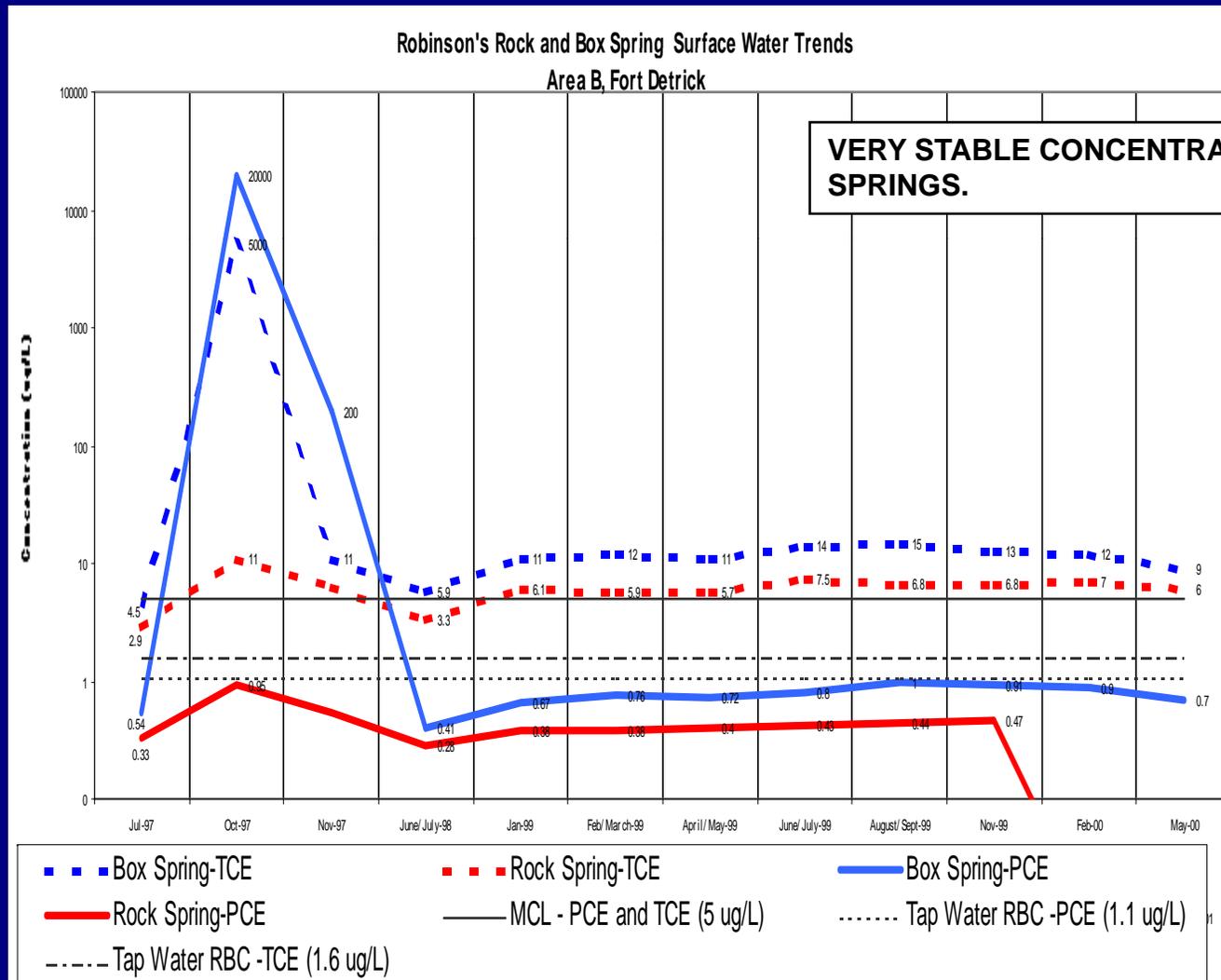
- ◆ BMW37D PCE
- BMW56D PCE
- ▲ BMW57D PCE
- × BMW58D PCE
- * BMW59D PCE
- BMW24D PCE



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Surface Water Sampling Data - PCE and TCE Robinson's Box and Rock Springs





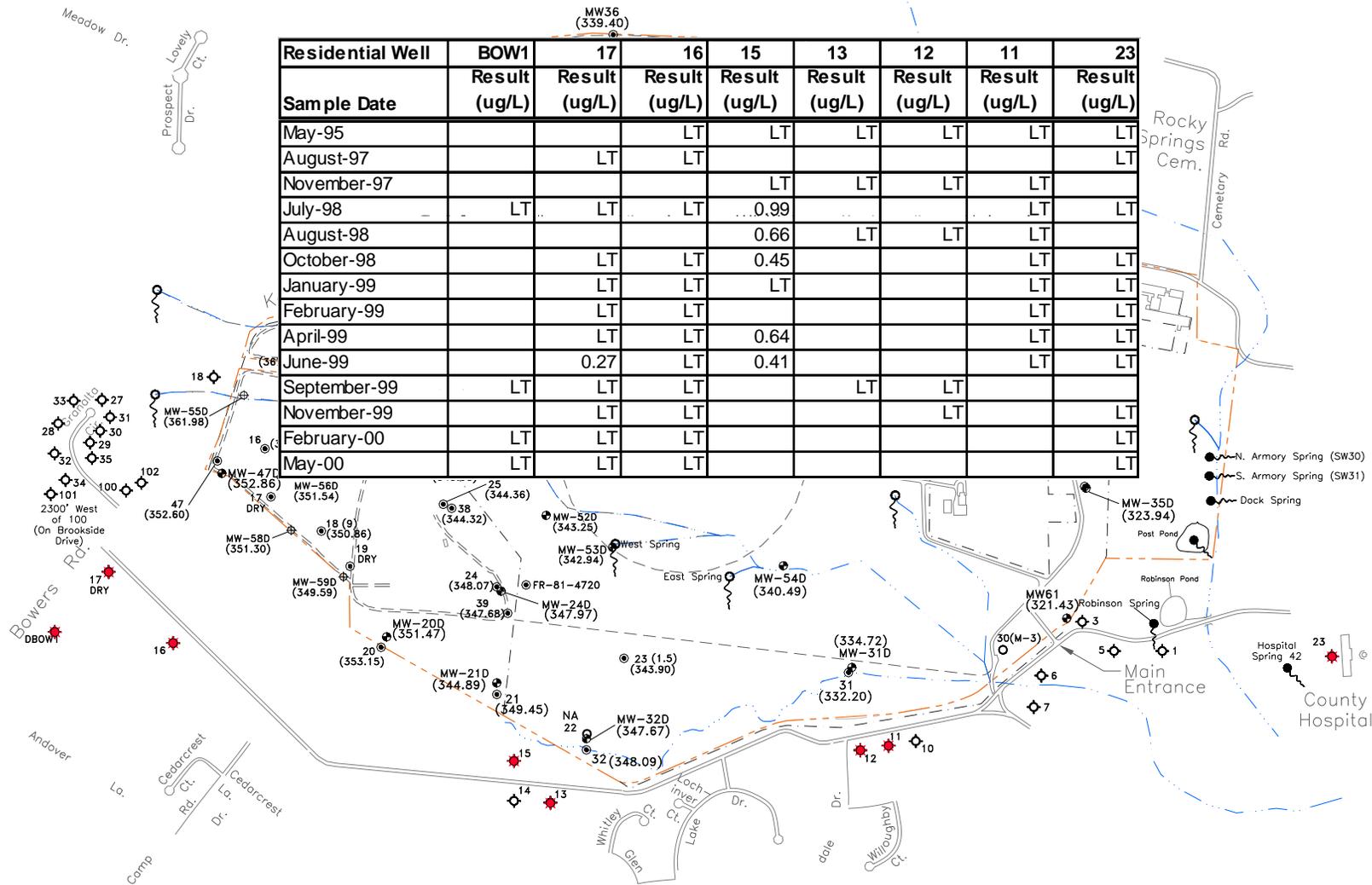
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RESIDENTIAL BOUNDARY WELL

TCE SAMPLING DATA

Residential Well	BOW1	17	16	15	13	12	11	23
Sample Date	Result (ug/L)							
May-95			LT	LT	LT	LT	LT	LT
August-97		LT	LT					LT
November-97				LT	LT	LT	LT	
July-98	LT	LT	LT	0.99			LT	LT
August-98				0.66	LT	LT	LT	
October-98		LT	LT	0.45			LT	LT
January-99		LT	LT	LT			LT	LT
February-99		LT	LT				LT	LT
April-99		LT	LT	0.64			LT	LT
June-99		0.27	LT	0.41			LT	LT
September-99	LT	LT	LT		LT	LT		
November-99		LT	LT			LT		LT
February-00		LT	LT	LT				LT
May-00		LT	LT	LT				LT





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May-95			LT	LT	LT	LT	LT	LT
August-97		LT	LT					LT
November-97				LT	LT	LT	LT	
July-98	LT	LT	LT	LT			LT	LT
August-98				LT	LT	LT		
October-98		LT	LT	LT			LT	LT
January-99		LT	LT	LT			LT	LT
February-99		LT	LT				LT	LT
April-99		LT	LT	LT			LT	LT
June-99		LT	LT	LT			LT	LT
September-99	LT	LT	LT		LT	LT		
November-99		0.34	LT			LT		LT
February-00	LT	LT	LT					LT
May-00	LT	LT	LT					LT

