

## Blake, Leslie

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**From:** Julie Baker [jkb@keramida.com]  
**Sent:** Thursday, May 30, 2013 2:10 PM  
**To:** Blake, Leslie  
**Cc:** dpetroff@idem.in.gov  
**Attachments:** CS USEPA TCE 2011.pdf; CS IDEM TCE 2008.pdf; 1988 Aerial Photo.pdf; SulTrac 1,1,1-TCA Figure 3.pdf; SulTrac PCE Figure 2.pdf; 2008 USEPA Memo.pdf

**Importance:** High

Leslie,

I am sending you 2 DRAFT cross-sections I prepared for ease of reference for our call tomorrow. I have also enclosed a 1988 Aerial Photo, 2 of the SulTRAC Figures with certain locations highlighted, and the 2008 USEPA memo regarding the Lane Street site.

It will be useful to have a "Go-To-Meeting" for tomorrow, so we can see the figures together while we talk. I can set it up if you don't have this ability. Let me know.

Thank you for your time. I appreciate it a lot.

Best regards,

**Vicky Keramida, Ph.D.**

Chief Technical Officer & CEO

KERAMIDA Inc.

401 North College Avenue

Indianapolis, IN 46202

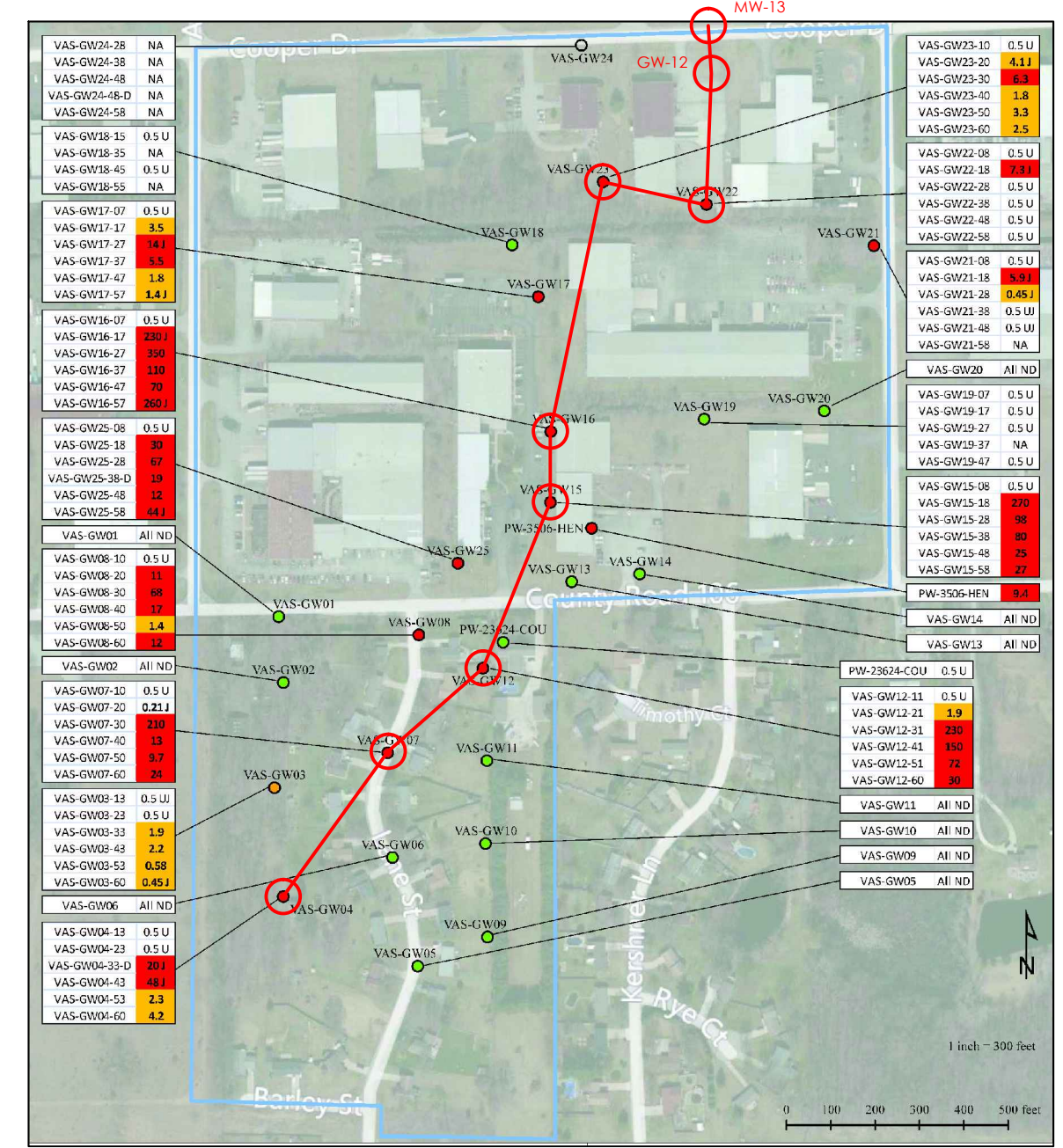
317/685-6600 (Office)

317/685-6610 (Fax)

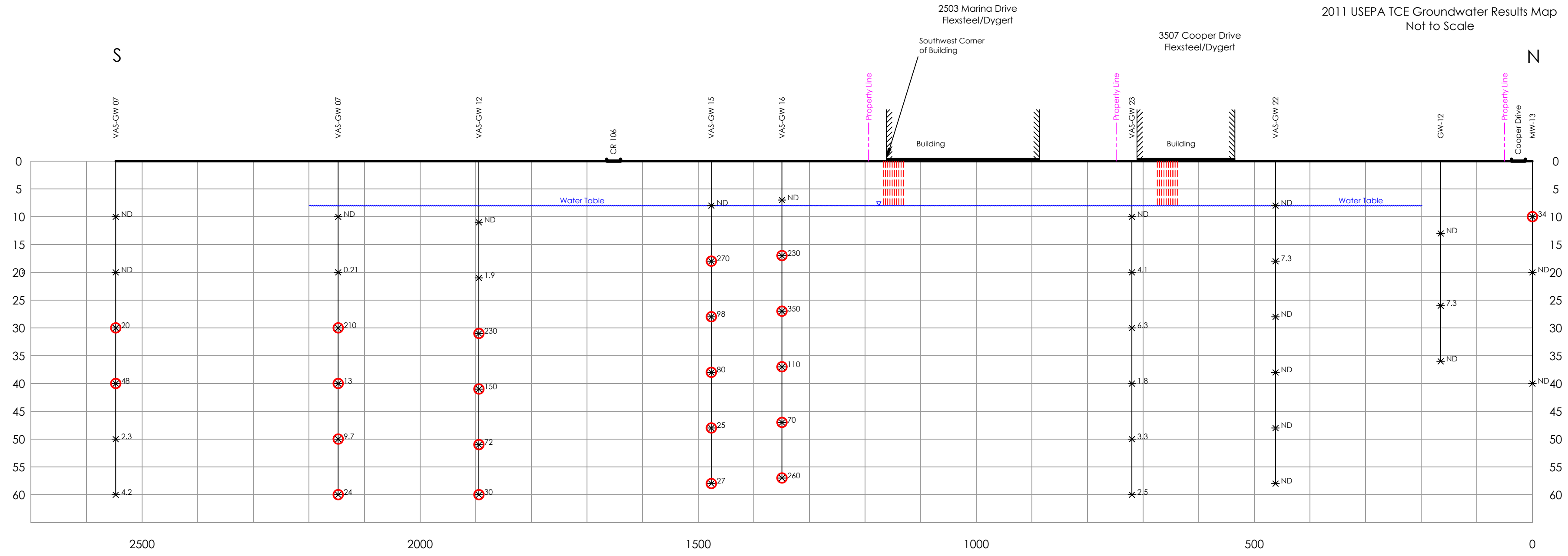
e-mail: [keramida@keramida.com](mailto:keramida@keramida.com)

[www.keramida.com](http://www.keramida.com) [info@keramida.com](mailto:info@keramida.com)

# DRAFT



2011 USEPA TCE Groundwater Results Map  
Not to Scale



NOTES:

- Values represent concentration of TCE
- VAS-GW23 - USEPA Data, 2011
- GW-12 - Roberts Data, 2011
- Only the most relevant sampling locations closest to the plume line are depicted.
- TCE Concentration > 10 mg/L

Releases based on historical information.

SCALE:  
0 75' 150'  
Vertical Exaggeration = 10:1

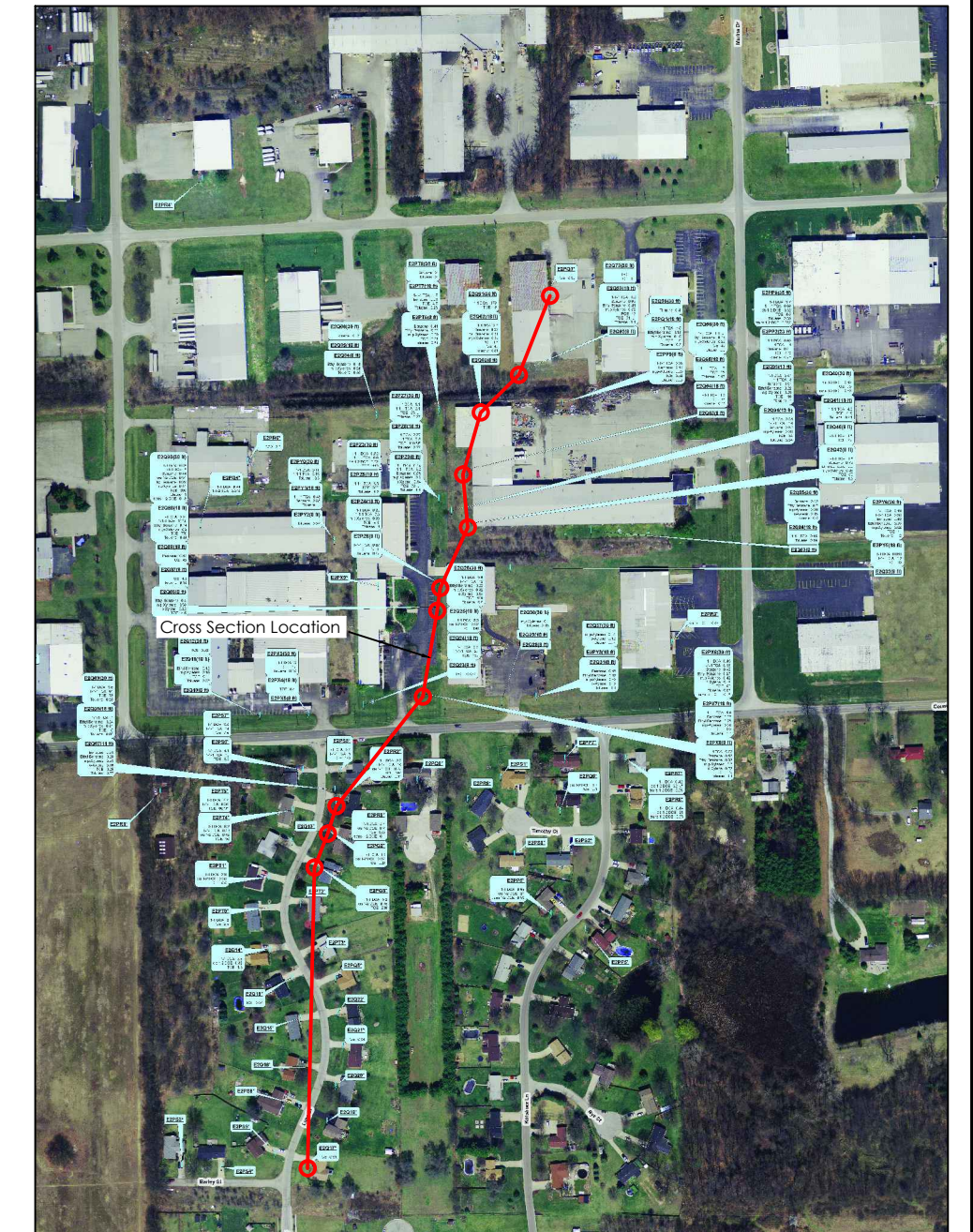


Project: Van Norman v. Flexsteel et. al.  
Elkhart, Indiana  
Project Number: 14369  
Date: May 30, 2013  
Drawn By: J. DuMond  
Approved By: VK  
File No. 14369\_CS

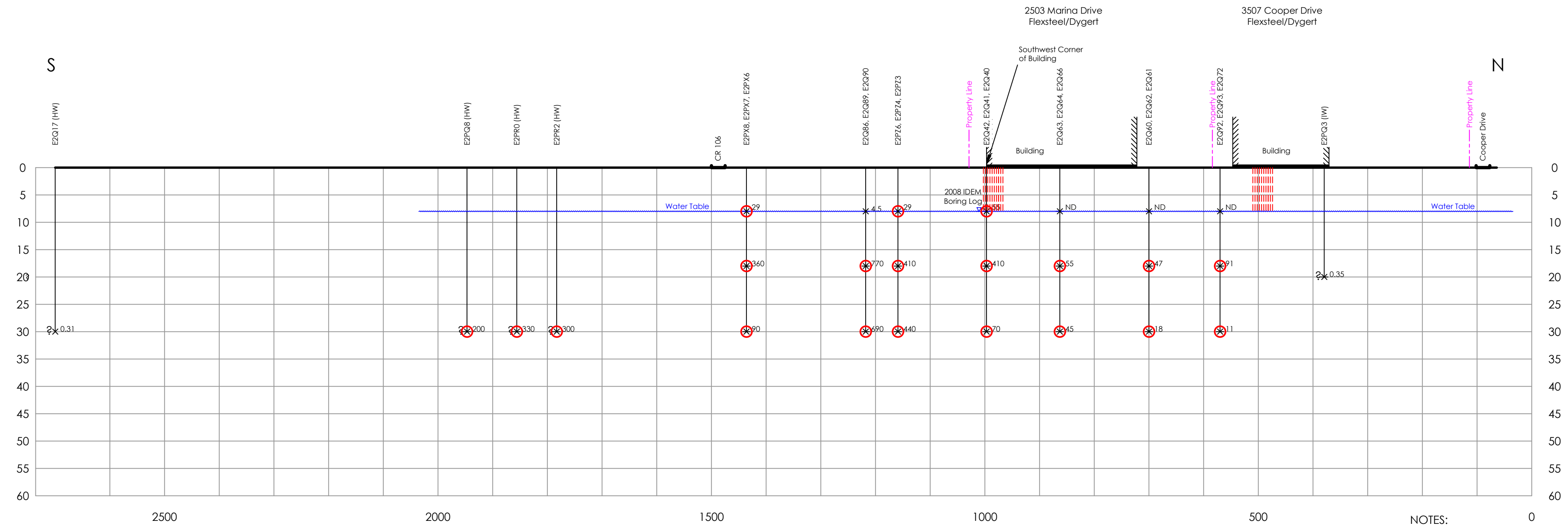
Preliminary Cross Sections (S-N)  
TCE  
USEPA 2011  
Roberts Env. 2011



# DRAFT



2008 IDEM TCE Groundwater Results Map  
Not to Scale



- NOTES:
- Values represent concentration of TCE
  - E2Q92 - IDEM Boring Data, 2008
  - E2Q17 (HW) - IDEM Home Well Data, 2008
  - E2PQ3 (IW) - IDEM Industrial Well Data, 2008
  - ? - Specific Depth Not Determined
  - ○ TCE Concentration > 10 mg/L

Releases based on historical information.

SCALE:  
0 75' 150'  
Vertical Exaggeration = 10:1



Project: Van Norman v. Flexsteel et. al.  
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Preliminary Cross Sections (S-N)  
TCE  
IDEM Spring 2008





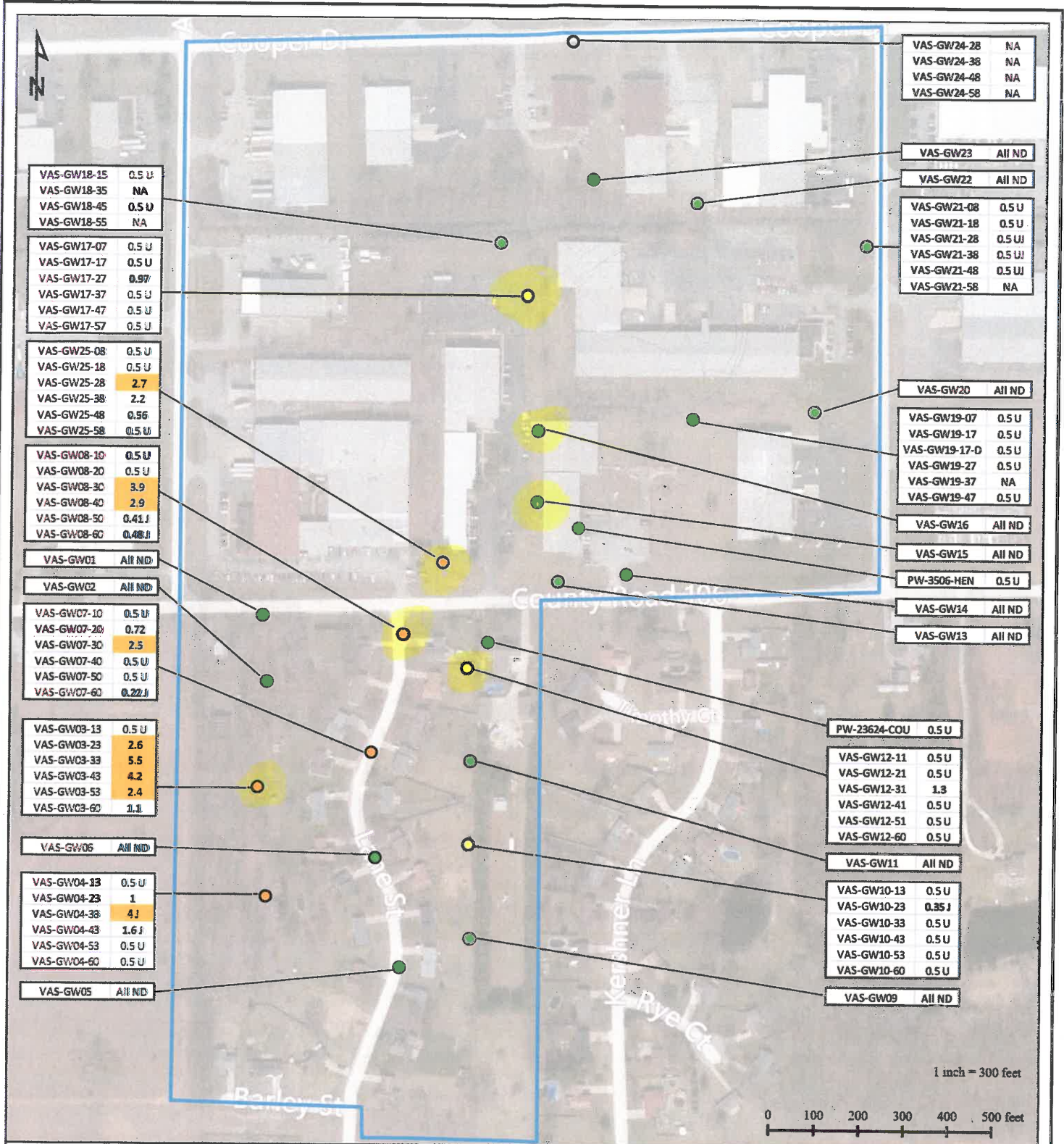
May 27, 1988  
Source: FSA

PLAINTIFF'S  
EXHIBIT NO. 225  
FOR IDENTIFICATION  
DATE: RPTR:

ERI000003



1,1,1 TCA



VAS-GW18-15	0.5 U
VAS-GW18-35	NA
VAS-GW18-45	0.5 U
VAS-GW18-55	NA

VAS-GW17-07	0.5 U
VAS-GW17-17	0.5 U
VAS-GW17-27	0.97
VAS-GW17-37	0.5 U
VAS-GW17-47	0.5 U
VAS-GW17-57	0.5 U

VAS-GW25-08	0.5 U
VAS-GW25-18	0.5 U
VAS-GW25-28	2.7
VAS-GW25-38	2.2
VAS-GW25-48	0.56
VAS-GW25-58	0.5 U

VAS-GW08-10	0.5 U
VAS-GW08-20	0.5 U
VAS-GW08-30	3.9
VAS-GW08-40	2.9
VAS-GW08-50	0.41 J
VAS-GW08-60	0.48 J

VAS-GW01	All ND
VAS-GW02	All ND

VAS-GW07-10	0.5 U
VAS-GW07-20	0.72
VAS-GW07-30	2.5
VAS-GW07-40	0.5 U
VAS-GW07-50	0.5 U
VAS-GW07-60	0.22 J

VAS-GW03-13	0.5 U
VAS-GW03-23	2.6
VAS-GW03-33	5.5
VAS-GW03-43	4.2
VAS-GW03-53	2.4
VAS-GW03-60	1.1

VAS-GW06	All ND
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VAS-GW04-13	0.5 U
VAS-GW04-23	1
VAS-GW04-33	4 J
VAS-GW04-43	1.6 J
VAS-GW04-53	0.5 U
VAS-GW04-60	0.5 U

VAS-GW05	All ND
----------	--------

VAS-GW24-28	NA
VAS-GW24-38	NA
VAS-GW24-48	NA
VAS-GW24-58	NA

VAS-GW23	All ND
----------	--------

VAS-GW22	All ND
----------	--------

VAS-GW21-08	0.5 U
VAS-GW21-18	0.5 U
VAS-GW21-28	0.5 U
VAS-GW21-38	0.5 U
VAS-GW21-48	0.5 U
VAS-GW21-58	NA

VAS-GW20	All ND
----------	--------

VAS-GW19-07	0.5 U
VAS-GW19-17	0.5 U
VAS-GW19-17-D	0.5 U
VAS-GW19-27	0.5 U
VAS-GW19-37	NA
VAS-GW19-47	0.5 U

VAS-GW16	All ND
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VAS-GW15	All ND
----------	--------

PW-3506-HEN	0.5 U
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VAS-GW14	All ND
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VAS-GW13	All ND
----------	--------

PW-23624-COU	0.5 U
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VAS-GW12-11	0.5 U
VAS-GW12-21	0.5 U
VAS-GW12-31	1.3
VAS-GW12-41	0.5 U
VAS-GW12-51	0.5 U
VAS-GW12-60	0.5 U

VAS-GW11	All ND
----------	--------

VAS-GW10-13	0.5 U
VAS-GW10-23	0.35 J
VAS-GW10-33	0.5 U
VAS-GW10-43	0.5 U
VAS-GW10-53	0.5 U
VAS-GW10-60	0.5 U

VAS-GW09	All ND
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1 inch = 300 feet



- Tapwater exceedance
- Detection
- Not detected
- Not analyzed\*
- Boundary of area investigated

Notes:  
 Samples collected in April and May 2011.  
 Values stated in micrograms per liter.  
 Maximum contaminant level = No criteria  
 Tapwater = 2.4 µg/L  
 \* Samples were not analyzed within  
 14-day laboratory holding time criteria.



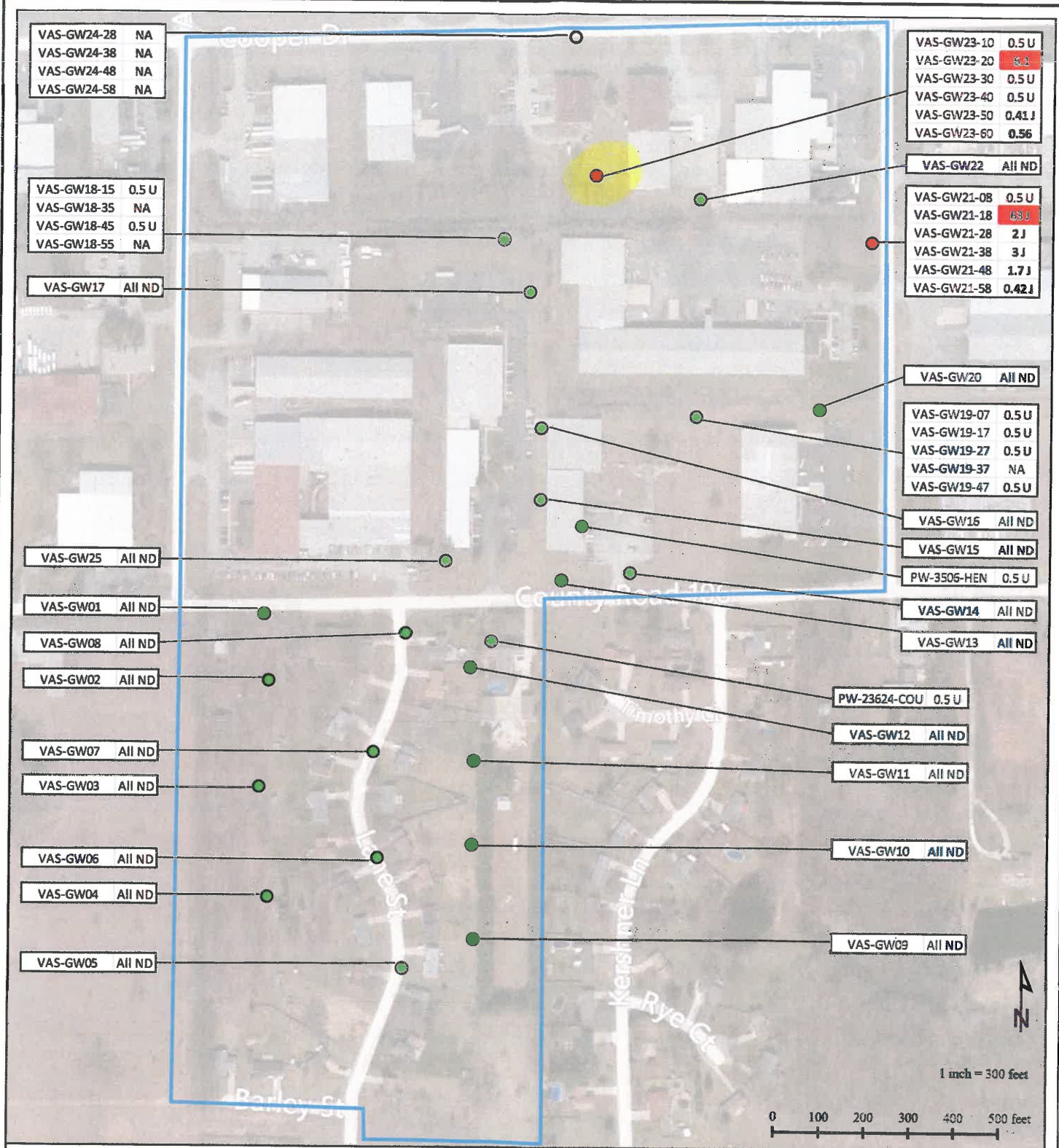
**LANE STREET INVESTIGATION SITE**  
 ELKHART COUNTY, INDIANA

**FIGURE 3**  
**1,1-Dichloroethane (1,1-DCA)**  
**Groundwater Results**

EPA REGION 5 RAC 2 | REVISION 1 | JANUARY 2013



PCE



VAS-GW24-28	NA
VAS-GW24-38	NA
VAS-GW24-48	NA
VAS-GW24-58	NA

VAS-GW18-15	0.5 U
VAS-GW18-35	NA
VAS-GW18-45	0.5 U
VAS-GW18-55	NA

VAS-GW17	All ND
----------	--------

VAS-GW25	All ND
----------	--------

VAS-GW01	All ND
----------	--------

VAS-GW08	All ND
----------	--------

VAS-GW02	All ND
----------	--------

VAS-GW07	All ND
----------	--------

VAS-GW03	All ND
----------	--------

VAS-GW06	All ND
----------	--------

VAS-GW04	All ND
----------	--------

VAS-GW05	All ND
----------	--------

VAS-GW23-10	0.5 U
VAS-GW23-20	6.1
VAS-GW23-30	0.5 U
VAS-GW23-40	0.5 U
VAS-GW23-50	0.41 J
VAS-GW23-60	0.56

VAS-GW22	All ND
----------	--------

VAS-GW21-08	0.5 U
VAS-GW21-18	63 J
VAS-GW21-28	2 J
VAS-GW21-38	3 J
VAS-GW21-48	1.7 J
VAS-GW21-58	0.42 J

VAS-GW20	All ND
----------	--------

VAS-GW19-07	0.5 U
VAS-GW19-17	0.5 U
VAS-GW19-27	0.5 U
VAS-GW19-37	NA
VAS-GW19-47	0.5 U

VAS-GW16	All ND
----------	--------

VAS-GW15	All ND
----------	--------

PW-3506-HEN	0.5 U
-------------	-------

VAS-GW14	All ND
----------	--------

VAS-GW13	All ND
----------	--------

PW-23624-COU	0.5 U
--------------	-------

VAS-GW12	All ND
----------	--------

VAS-GW11	All ND
----------	--------

VAS-GW10	All ND
----------	--------

VAS-GW09	All ND
----------	--------

- Maximum contaminant level (MCL) exceedance
  - Detection
  - Not detected
  - Not analyzed\*
  - Boundary of area investigated
- Notes:  
 Samples collected in April and May 2011.  
 Values stated in micrograms per liter.  
 MCL = 5 µg/L  
 Tapwater = 9.7 µg/L
- \* Samples were not analyzed within 14-day laboratory holding time criteria.

**LANE STREET INVESTIGATION SITE**  
 ELKHART COUNTY, INDIANA

**FIGURE 2**  
**Tetrachloroethylene (PCE)**  
**Groundwater Results**

EPA REGION 5 RAC 2 | REVISION 1 | JANUARY 2013

EPA

EPA Region 5 Records Ctr.



385095

Kenneth  
Theisen/R5/USEPA/US  
07/31/2008 11:33 AM

To James Morris/R5/USEPA/US@EPA, Carol  
Ropski/R5/USEPA/US@EPA, JOSEPH  
KAWECKI/R5/USEPA/US@EPA

cc  
bcc

Subject lane street

thanks for meeting today and getting this started.....Joey pay attention.....!

I'll just re-hash what I talked about this morning.

We ( remedial and removal management) determined yesterday that the state's intent to score this site will not be affected by our going ahead and getting the residents on Lane street city water. So the first step is to "notice" those responsible.

The states' Geologist said that he is certain that the tce contamination is coming from the direction of a company that used to occupy 2503 Marina called Dygert Seating. As the name implies, they manufactured seating and used different adhesives and some 1-1-1 tca. A gentleman named Brian Smith 574 522-8000 now owns the building and it is called the Hadley building. He is aware of the problem as the state contacted him and told him. He has requested copies of the states' work and maps. He supposedly did a Phase 1 real estate assessment and whether that makes him an "innocent landowner" or not, I'll let you all decide.

The map that we looked at clearly shows the tce coming from the building on Marina. However, as we discussed there is also tce coming from another building, coincidently also owned by Dygert. This building is located at 23542 Cooper and is currently occupied by a company called CQC.



The Dygert building on Cooper made the seat frames from tubular steel and then the Dygert Bldg on Marina took those frames and made the seats (adhesives and cloth etc).

Two suppliers that supplied chemicals to Dygert are still in business today. They are Accessa Paints and Solvents and Maurer Industrial Supply.

Elkhart County Health Dept did an inspection at Dygert on 10-8-01 and they were operating, but on 10-4-07 they were out of business. Dygert Seating started in 1983 and it looks like they were the original occupant on the building.

I do not know that status of the Dygerts, but I believe the state told me that they (Dygerts were still around).

The Elkhart County Health Dept has a file on Dygert and you can contact John Hulevich at 574 875-3391 for this info. Also, Mark Jaworski of IDEM has some info which I might have forgotten and he can be reached at 317 233-2407.

Guys is it reasonable to assume that the notice letter(s) should be ready to go out in 2 to 3 weeks? My goal is to have city water available to Lane street by the end of November.....

Go Team!