

## Nowell, Keith, Env. Health

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**From:** Pat Hoban <pat@weber-hayes.com>  
**Sent:** Friday, March 02, 2018 10:01 AM  
**To:** 'Cockerham, Kyle@Waterboards'; 'Sheehan, Caryl@Waterboards'; Nowell, Keith, Env. Health; Roe, Dilan, Env. Health; 'Satkowski, Casey@Waterboards'  
**Cc:** '(WHA) Craig Drizin'  
**Subject:** RE: JET Meeting - CUF#1275 - Former Exxon, 3055 35th Ave, Oakland  
**Attachments:** DRAFT Comparison DP-16 vs B-14 soil sample.pdf

Hello Kyle,

A letter was sent out by Alameda County Health (thank you Keith for that) requesting access and we communicated with the son of the owner prior to/during our recent mobilization. The son was pleasant but the timing of our mobilization was apparently not convenient. We were not allowed entry to see if a limited rig could access this previous sample location, and were not allowed access to complete the soil core sampling. So at this point, we can continue to make requests and hope that there is some convenient window for us to make another mobilization, but it would be singularly to address this one location.

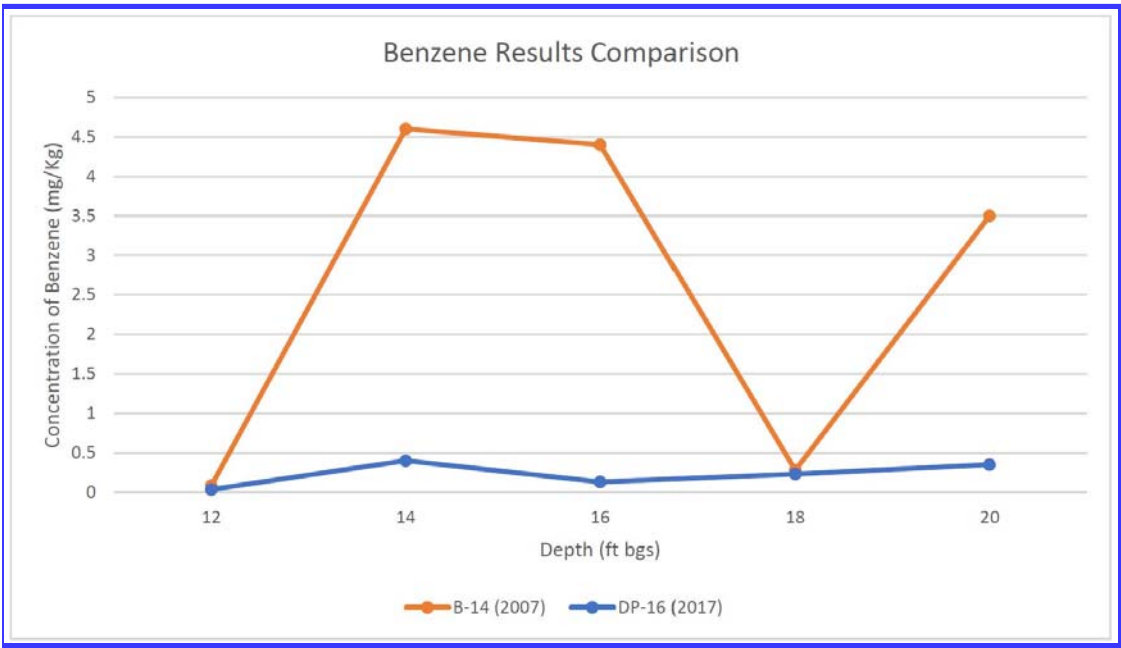
Note: Although we weren't granted access, evidence from the nearest boring shows significant attenuation of benzene concentrations over time, as shown on the figure provided by Craig yesterday (copy attached). Our hope is this data can reasonably be used to extrapolate attenuation of the single elevated benzene concentration detected in inaccessible boring B-17, encountered at a depth of 12 feet (41 mg/kg). And as previously noted, a bio-attenuation zone is present and all soil gas concentrations are below LTCP thresholds.

We look forward to this discussion.

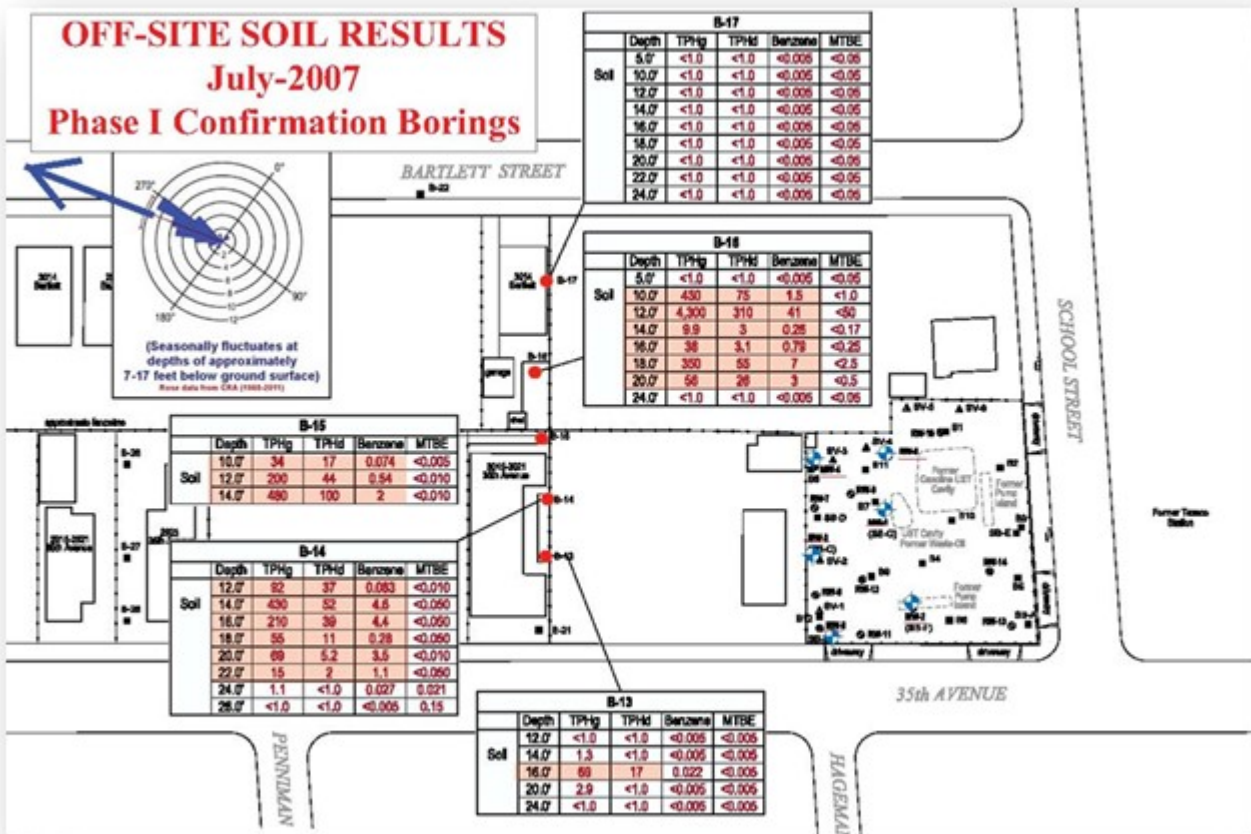
All the best,

Pat Hoban, PG  
Weber, Hayes & Associates  
(831) 722-3580

**Below:** Chart of soil benzene data from nearest confirmation boring B-16 (2017) v. previous boring B-14 (2007), which shows significant attenuation of Benzene concentrations over time in smear zone soils collected at depths of 12-ft, 14-ft, 16-ft 18-ft & 20-ft.



**Below:** Lab results of soil cores collected ten+ years ago (July, 2007).



**From:** Cockerham, Kyle@Waterboards <Kyle.Cockerham@waterboards.ca.gov>

**Sent:** Friday, March 02, 2018 8:49 AM

**To:** Pat Hoban <pat@weber-hayes.com>; Sheehan, Caryl@Waterboards <Caryl.Sheehan@Waterboards.ca.gov>;

'Nowell, Keith, Env. Health' <Keith.Nowell@acgov.org>; 'Roe, Dilan, Env. Health' <Dilan.Roe@acgov.org>; Satkowski,

Casey@Waterboards <Casey.Satkowski@Waterboards.ca.gov>; '(WHA) Craig Drizin' <Craig@weber-hayes.com>  
**Subject:** Re: JET Meeting - CUF#1275 - Former Exxon, 3055 35th Ave, Oakland

Thanks Pat,

Quick question. Was there any progress on getting access to the property where B-16 was located? I'm sure that will come up.

Kyle

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**From:** Pat Hoban <[pat@weber-hayes.com](mailto:pat@weber-hayes.com)>  
**Sent:** Thursday, March 1, 2018 7:03:55 PM  
**To:** Cockerham, Kyle@Waterboards; Sheehan, Caryl@Waterboards; 'Nowell, Keith, Env. Health'; 'Roe, Dilan, Env. Health'; Satkowski, Casey@Waterboards; '(WHA) Craig Drizin'  
**Subject:** RE: JET Meeting - CUF#1275 - Former Exxon, 3055 35th Ave, Oakland

Hi Kyle,

Thanks for the invite. Craig and I will be attending the meeting at the Alameda County offices in person along with the responsible party (Lynn Worthington).

Looking forward to a good discussion,  
Pat

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-----Original Appointment-----

**From:** Cockerham, Kyle@Waterboards [<mailto:Kyle.Cockerham@waterboards.ca.gov>]  
**Sent:** Thursday, March 01, 2018 12:58 PM  
**To:** Sheehan, Caryl@Waterboards; Nowell, Keith, Env. Health; Roe, Dilan, Env. Health; Satkowski, Casey@Waterboards; Pat Hoban; '(WHA) Craig Drizin'  
**Subject:** JET Meeting - CUF#1275 - Former Exxon, 3055 35th Ave, Oakland  
**When:** Wednesday, March 07, 2018 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Teleconference (Rm 2107)

**CenturyLink CCC**  
Provided by CenturyLink Conferencing

**Attendee Invitation**

**You have been invited to join a conference.**

- **Meeting Title:** JET Mtg-Exxon, 3035 35th Ave
- **Moderator:** Kyle Cockerham

- **Date and Time:** Wednesday, March 07, 2018, 10:00 AM Pacific
- **Duration:** 60 minutes

*Note: To save this conference as an Outlook meeting, please double-click the attached file.*

#### CONFERENCE DETAILS:

#### WEB

[JOIN AS ATTENDEE >>](#)

*You can join 15 minutes before the start time.*

**Audio Passcode: 198531**

First time CenturyLink CCC user? [Run System Test >>](#)

#### AUDIO

**Passcode: 198531**

USA: 1-720-279-0026  
1-877-820-7831

*Skip the hassle of dialing-in. Login to the web and use the Call My Phone feature to connect to the audio.*

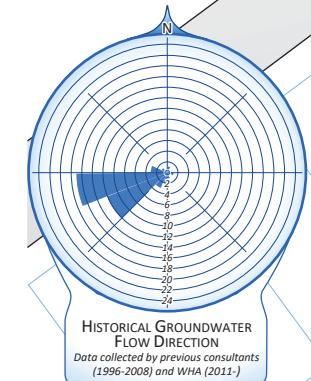
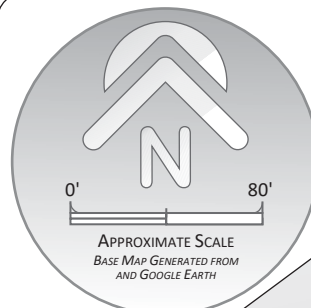
#### Message from Moderator:

##### ADDITIONAL CONFERENCE INFORMATION:

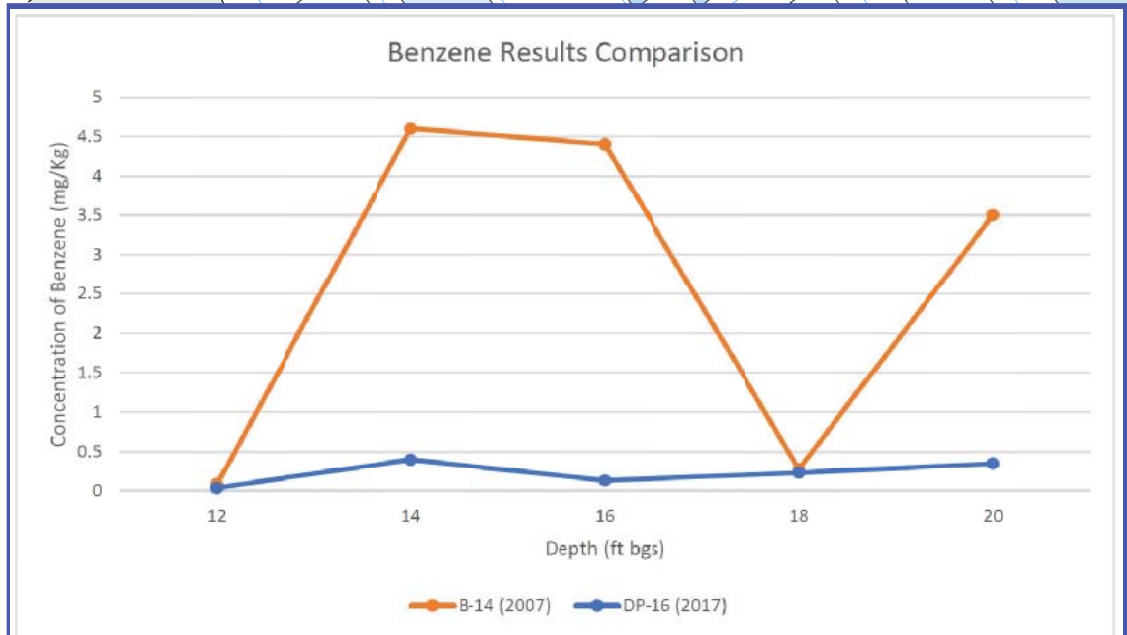
##### Description:

There is no file associated with this conference.

Please visit us at [www.centurylinkconference.com](http://www.centurylinkconference.com)



DP-16 (2017)				
Depth	TPH-g	Benzene	EB	Naphth
2'	ND	ND	ND	ND
4'	ND	ND	ND	ND
7'	ND	ND	ND	ND
8'	ND	ND	ND	ND
10'	0.18	ND	ND	ND
12'	0.61	0.035	0.16	0.0075
14'	110	0.4	0.39	0.26
16'	14	0.13	0.16	0.14
18'	0.52	0.23	0.18	0.16
20'	1	0.35	0.1	0.046
25'	0.11	0.047	0.0086	0.01



B-14(2007)				
Depth	TPHg	TPHd	Benzene	MTBE
12.0'	92	37	0.083	<0.010
14.0'	430	52	4.6	<0.050
16.0'	210	39	4.4	<0.050
18.0'	55	11	0.28	<0.050
20.0'	69	5.2	3.5	<0.010
22.0'	15	2	1.1	<0.050
24.0'	1.1	<1.0	0.027	0.021
26.0'	<1.0	<1.0	<0.005	0.15

**EXPLANATION OF SYMBOLS**

- DP-13** Soil Boring (sampled 4/18/2017) - WHA
- MW-1** Monitoring Well
- RW-5** Remediation Well
- B-13** Soil Boring (sampled 7/13-23/2007) - CRA
- B-19** Soil Boring (sampled 11/3-7/2008) - CRA
- SV-11** Soil Gas Sample (12/5/2008) - CRA
- SV-1** Soil Gas Sample (5/24/2007) - CRA

LTCP Soil Guidelines (DCOAE)  
(Residential/Commercial, mg/kg):

	0-5 ft:	5-10 ft:
Benzene	1.9/8.2	2.8/12
Ethylbenzene	21/89	32/134
Naphthalene	9.7/45	9.7/45



**FIGURE 3**  
Project  
2X103.F

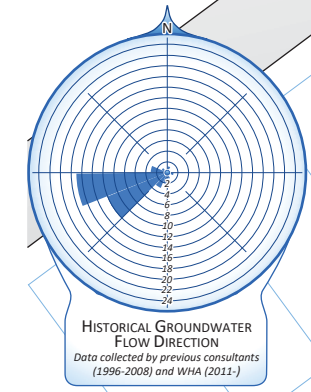
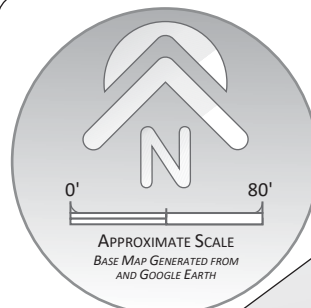
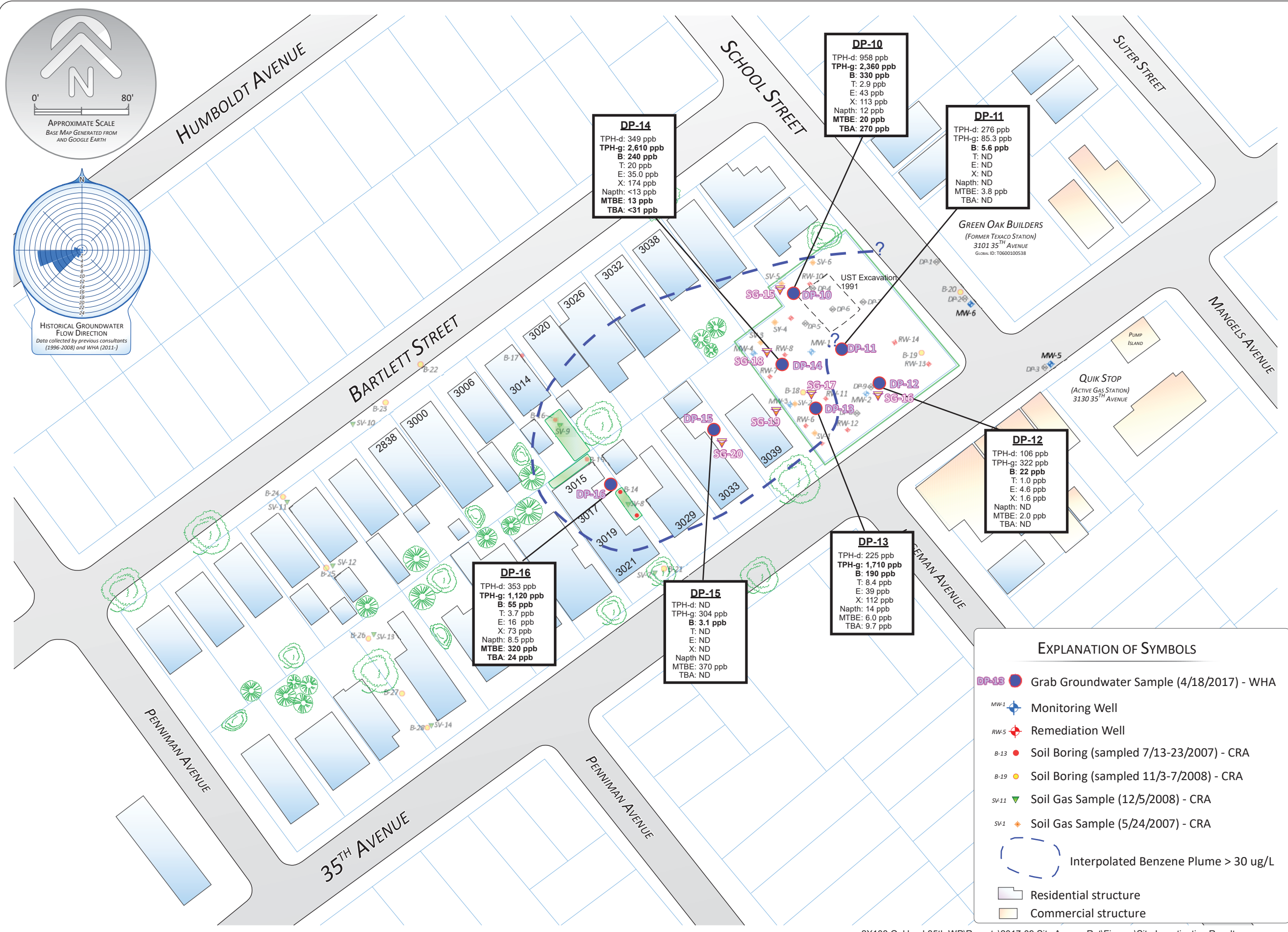
**COMPARISON OF DONW GRADIENT  
SOIL SAMPLE ANALYTICAL RESULTS - 2007 - 2017**

SITE: FORMER EXXON STATION  
ADDRESS: 3055 35TH AVENUE, OAKLAND, CA

DATE: MAY 2017

REVISIONS/NOTES:

**WEBER, HAYES & ASSOCIATES**  
Hydrogeology and Environmental Engineering  
120 Westgate Drive, Watsonville, CA  
831.722.3580 / www.weber-hayes.com



**DP-14**  
 TPH-d: 349 ppb  
 TPH-g: 2,610 ppb  
 B: 240 ppb  
 T: 20 ppb  
 E: 35.0 ppb  
 X: 174 ppb  
 Napth: <13 ppb  
 MTBE: 13 ppb  
 TBA: <31 ppb

**DP-10**  
 TPH-d: 958 ppb  
 TPH-g: 2,360 ppb  
 B: 330 ppb  
 T: 2.9 ppb  
 E: 43 ppb  
 X: 113 ppb  
 Napth: 12 ppb  
 MTBE: 20 ppb  
 TBA: 270 ppb

**DP-11**  
 TPH-d: 276 ppb  
 TPH-g: 85.3 ppb  
 B: 5.6 ppb  
 T: ND  
 E: ND  
 X: ND  
 Napth: ND  
 MTBE: 3.8 ppb  
 TBA: ND

**DP-12**  
 TPH-d: 106 ppb  
 TPH-g: 322 ppb  
 B: 22 ppb  
 T: 1.0 ppb  
 E: 4.6 ppb  
 X: 1.6 ppb  
 Napth: ND  
 MTBE: 2.0 ppb  
 TBA: ND

**DP-13**  
 TPH-d: 225 ppb  
 TPH-g: 1,710 ppb  
 B: 190 ppb  
 T: 8.4 ppb  
 E: 39 ppb  
 X: 112 ppb  
 Napth: 14 ppb  
 MTBE: 6.0 ppb  
 TBA: 9.7 ppb

**DP-15**  
 TPH-d: ND  
 TPH-g: 304 ppb  
 B: 3.1 ppb  
 T: ND  
 E: ND  
 X: ND  
 Napth: ND  
 MTBE: 370 ppb  
 TBA: ND

**DP-16**  
 TPH-d: 353 ppb  
 TPH-g: 1,120 ppb  
 B: 55 ppb  
 T: 3.7 ppb  
 E: 16 ppb  
 X: 73 ppb  
 Napth: 8.5 ppb  
 MTBE: 320 ppb  
 TBA: 24 ppb

**EXPLANATION OF SYMBOLS**

- Grab Groundwater Sample (4/18/2017) - WHA
- Monitoring Well
- Remediation Well
- Soil Boring (sampled 7/13-23/2007) - CRA
- Soil Boring (sampled 11/3-7/2008) - CRA
- Soil Gas Sample (12/5/2008) - CRA
- Soil Gas Sample (5/24/2007) - CRA
- Interpolated Benzene Plume > 30 ug/L
- Residential structure
- Commercial structure

**FIGURE 5**  
 Project 2X103.F

**GROUNDWATER GRAB SAMPLE ANALYTICAL RESULTS - APRIL 2017**

**SITE:** FORMER EXXON STATION  
**ADDRESS:** 3055 35TH AVENUE, OAKLAND, CA

**DATE:** MAY 2017

**WEBER, HAYES & ASSOCIATES**  
 Hydrogeology and Environmental Engineering  
 120 Westgate Drive, Watsonville, CA  
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## Pat Hoban

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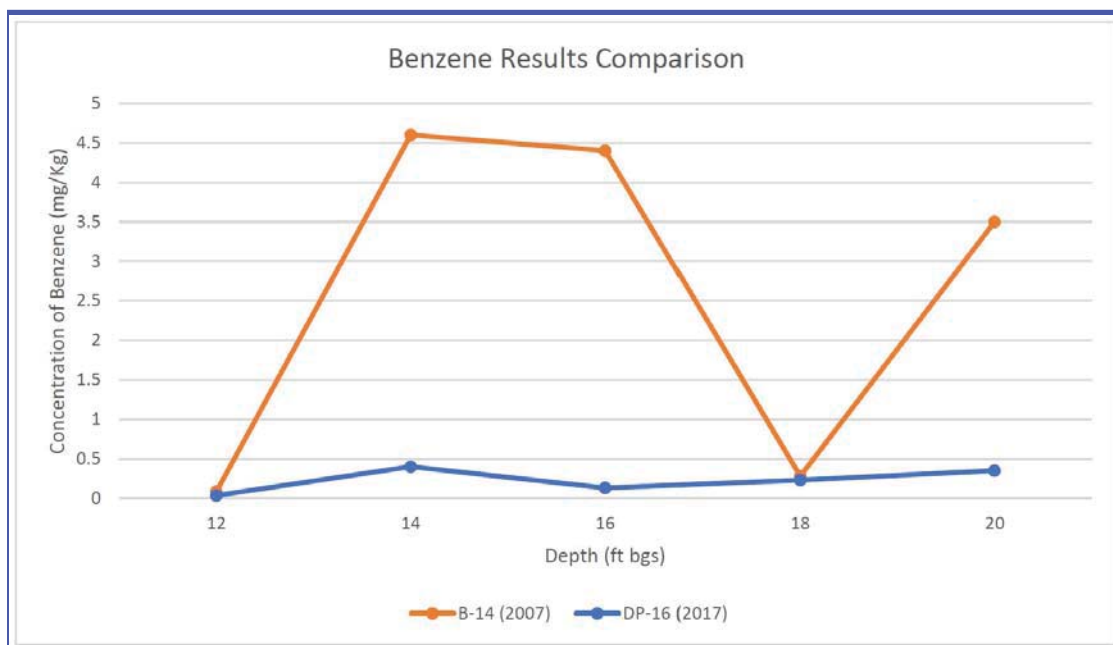
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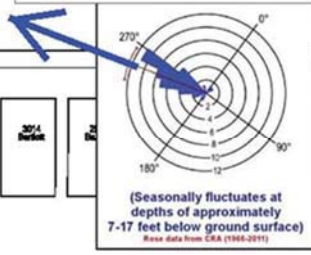
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# OFF-SITE SOIL RESULTS

## July-2007

### Phase I Confirmation Borings



B-17					
Depth	TPHg	TPHd	Benzene	MTBE	
5.0'	<1.0	<1.0	<0.005	<0.05	
10.0'	<1.0	<1.0	<0.005	<0.05	
12.0'	<1.0	<1.0	<0.005	<0.05	
14.0'	<1.0	<1.0	<0.005	<0.05	
16.0'	<1.0	<1.0	<0.005	<0.05	
18.0'	<1.0	<1.0	<0.005	<0.05	
20.0'	<1.0	<1.0	<0.005	<0.05	
22.0'	<1.0	<1.0	<0.005	<0.05	
24.0'	<1.0	<1.0	<0.005	<0.05	

B-18					
Depth	TPHg	TPHd	Benzene	MTBE	
5.0'	<1.0	<1.0	<0.005	<0.05	
10.0'	430	75	1.5	<1.0	
12.0'	4,300	310	41	<50	
14.0'	9.9	3	0.28	<0.17	
16.0'	38	3.1	0.79	<0.25	
18.0'	350	55	7	<2.5	
20.0'	58	28	3	<0.5	
24.0'	<1.0	<1.0	<0.005	<0.05	

B-15					
Depth	TPHg	TPHd	Benzene	MTBE	
10.0'	34	17	0.074	<0.005	
12.0'	200	44	0.54	<0.010	
14.0'	480	100	2	<0.010	

B-14					
Depth	TPHg	TPHd	Benzene	MTBE	
12.0'	92	37	0.083	<0.010	
14.0'	430	52	4.5	<0.050	
16.0'	210	39	4.4	<0.050	
18.0'	55	11	0.28	<0.050	
20.0'	69	5.2	3.5	<0.010	
22.0'	15	2	1.1	<0.050	
24.0'	1.1	<1.0	0.027	0.021	
26.0'	<1.0	<1.0	<0.005	0.15	

B-13					
Depth	TPHg	TPHd	Benzene	MTBE	
12.0'	<1.0	<1.0	<0.005	<0.005	
14.0'	1.3	<1.0	<0.005	<0.005	
16.0'	89	17	0.022	<0.005	
20.0'	2.9	<1.0	<0.005	<0.005	
24.0'	<1.0	<1.0	<0.005	<0.005	

