

ENVIRONMENTAL SAMPLING LETTER  
**CDI PROPERTY**  
EVERETT, WASHINGTON  
FOR  
ASCOT INVESTMENTS

ENTERED  
6/19/00

6-30-98

DEPARTMENT OF ECOLOGY NWRO/TCP TANKS UNIT	
INTERIM CLEANUP REPORT	<input type="checkbox"/>
SITE CHARACTERIZATION	<input type="checkbox"/>
FINAL CLEANUP REPORT	<input type="checkbox"/>
OTHER _____	<input checked="" type="checkbox"/>
AFFECTED MEDIA: SOIL	<input type="checkbox"/>
OTHER _____ GW	<input type="checkbox"/>
INSPECTOR (INIT.) <u>AB</u> DATE <u>6/16/00</u>	<input type="checkbox"/>

RECEIVED  
APR 17 2000  
DEPT. OF ECOLOGY



# **NELSON-COUVRETTE & ASSOCIATES, INC.**

*CONSULTING GEOTECHNICAL ENGINEERS, GEOLOGISTS  
AND ENVIRONMENTAL SCIENTISTS*

17311-135th Avenue NE, A-500  
Woodinville, WA 98072  
(425) 486-1669 • Fax 481-2510

Snohomish County (425) 337-1669

Wenatchee/Chelan (509) 784-2756

June 30, 1998

Mr. Nagib Lakhani  
Ascot Investments  
c/o Ramada Inn  
2140 North Northgate Way  
Seattle, Washington 98133

Environmental Sampling Letter  
CDI Property  
Everett, Washington  
NCA File No. 2194D97

Dear Mr. Lakhani:

## **INTRODUCTION**

This letter presents the results of our monitoring well installation and environmental sampling services at your proposed development site. The site is located at the northwest intersection of Highway 99 and Olivia Park Road, in the city of Everett, Washington, as shown on the Vicinity Map on Figure 1. You have requested that we evaluate the ground water in the vicinity of the former service station. We have previously written a geotechnical engineering report for the site, dated December 17, 1997, and are currently providing environmental consultation services for this project.

You are currently in the process of purchasing the CDI property. Geotech Consultants, Inc. is providing guidance on the cleanup of a former service station at the southeast corner of the property. You have requested that we sample and analyze the groundwater in the vicinity of the former service station as part of your due diligence.

## **SCOPE**

The purpose of our services is to provide environmental sampling analysis of ground water samples.

Specifically, the services to be provided by NCA are as follows:

1. Review the previous environmental reports for the project.
2. Install three 10-foot deep ground water monitoring wells.
3. Purge and sample the three monitoring wells.
4. Analyze each of the three samples for:
  - Gasoline by WTPH-G
  - Diesel and Heavy Oil by WTPH-H extended
  - BETX by EPA Method 8020
5. Document our results in a short letter.
6. Provide consultation and additional environmental services as required.

## **SITE CONDITIONS**

### **Surface**

The former service station was located in the southeast corner of the 2.5 acre CDI property. The site is a relatively level with an overall gentle slope down to the south. All of the structures and most of the pavement has been removed from this portion of the property. An approximately 30-foot by 45-foot by 6-foot deep rectangular excavation exists at the site. This excavation is the result of the removal of contaminated soils from under the former service station building. Excavation of the petroleum impacted soils was monitored by Geotech Consultants in April and May of 1998.

### **Subsurface Conditions**

The subsurface conditions at the site were explored on May 27, 1998. Three hollow-stem auger borings were advanced to depths ranging from 10.4 to 10.5 feet below the existing ground surface. All three borings were completed as 2-inch diameter PVC monitoring wells to characterize ground water conditions. Soil samples were collected at 5-foot depth intervals using a 2.5-inch outside diameter California Sampler driven with a 140-pound hammer. The hammer travel distance was approximately 30 inches. The sampler was driven a total of 18 inches, unless noted on the logs. The number of blows to

drive the sampler the last 12 inches was recorded on the logs. All samplers, augers, and drilling tools were decontaminated by steam cleaning or other methods prior to each use. The approximate locations of the explorations are shown on the Site Plan in Figure 2.

A geologist from our firm was present during the explorations, examined the soils and geologic conditions encountered, and maintained logs of the boring excavations. The soils were visually classified in general accordance with the Unified Soil Classification System, a copy of which is shown on Figure 3. Representative portions of each collected sample were placed in laboratory cleaned containers. The samples were placed in coolers for preservation and selected samples transported under Nelson-Couvrette and Associates strict chain of custody procedures to a subcontract analytical laboratory to be held for possible future analysis. The boring logs, monitoring wells, and as-built diagrams are shown on Figures 4 through 6. Analytical laboratory results are presented in Appendix A.

We generally encountered a surficial layer of fill, approximately 3.5 to 4.0 feet thick. The fill consisted of loose, fine to coarse sand with gravel. In Boring 3, we encountered an approximately 4.5-foot thick layer of medium dense, silty fine sand with gravel and organics underlying the surficial fill that we also classify as fill. We encountered native soils consisting of medium dense to very dense, fine sandy silt to silty fine sand with varying amounts of gravel and sand seams underlying the fill in all of the borings.

### **Ground Water Sampling**

Ground water samples were collected on May 28, 1998, following proper decontamination, purging, and ground water sampling procedures. A minimum of three well volumes was purged from Monitoring Well 1 (MW-1) and MW-2 prior to sampling. MW-3 was purged dry twice prior to sampling. Ground water samples were obtained using disposable polyethylene bailers dedicated to each well to avoid cross-contamination of wells. Samples were chilled and under chain of custody until delivered to a subcontract analytical laboratory.

### **Ground Water Conditions**

Ground water conditions were evaluated using data from the monitoring wells installed for our investigation, and conditions noted during drilling. Elevations of the wells installed for this study were measured relative to an assigned datum in order to correlate water level data. The assigned datum was estimated from a topographic site plan by Kegel and Associates, Inc., dated October 29, 1997. Elevations

were measured utilizing standard differential elevation techniques with the aid of self-leveling level. Ground water level measurements obtained during our evaluation are presented in **Table 1**.

<b>TABLE 1</b> <b>SUMMARY OF GROUND WATER MEASUREMENTS</b>			
<u>Well Number</u>	<u>Top of Casing Elevation (ft)<sup>1</sup></u>	<u>Depth to Water (ft)<sup>2</sup></u>	<u>Ground Water Elevation (ft)<sup>1</sup></u>
MW-1	557.94	2.27	555.67
MW-2	557.42	1.97	555.48
MW-3	557.02	1.94	555.08

Notes:  
<sup>1</sup> Referenced to an assigned datum of 558.00 feet  
<sup>2</sup> Measured from top of casing

Water level measurements obtained from the monitoring wells installed for our study indicate that ground water is present at depths of approximately 1.94 to 2.27 feet below the ground surface, and the inferred ground water migration direction is generally to the south.

The ground water gradient and inferred flow directions are based simplifying assumptions, and should be viewed as a generalized estimation based on limited data. Ground water conditions may vary, depending on seasonal variations in precipitation, changes in site utilization, and other factors.

## **QUANTITATIVE ANALYSIS**

The concentration of petroleum hydrocarbons existing in the subsurface materials were quantified by testing for:

1. Gasoline by WTPH-G
2. Diesel and Heavy Oil by WTPH-D extended
3. BETX by EPA method 8020

The results of ground water sampling indicate concentrations of WTPH-G, WTPH-D, and BETX below Model Toxics Control Act (MTCA), Method A cleanup levels. A summary of analytical laboratory results on ground water is presented in **Table 2**. MTCA, Method A cleanup levels for ground water are presented in the last column of **Table 2**. In our opinion, future ground water monitoring at the site is not necessary.

**TABLE 2**  
**WATER SAMPLE ANALYSIS**

<u>Hazardous Substance</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MTCA Cleanup Levels</u>
WTPH-G (ppb)	ND	ND	98.9	1000.0
Benzene (ppb)	ND	ND	2.36	5.0
Ethylbenzene (ppb)	ND	ND	ND	30.0
Tolulene (ppb)	ND	ND	ND	40.0
Xylenes (ppb)	ND	ND	ND	20.0
WTPH-Diesel (ppb)	312	945	517	1000.0
WTPH-Heavy Oil (ppb)	ND	ND	ND	ND

#### **USE OF THIS LETTER**

This letter has been provided for Ascot Investments and their agents for their use on this project. Our explorations were located based on known site conditions and potential locations of contaminants. The results indicate contaminant concentrations below MTCA, Method A, cleanup levels. However, this does not warranty that higher concentrations of contaminants do not exist on the site.

Within the limitations of scope, schedule and budget for our services, we have strived to take care that our work has been done in accordance with generally accepted practices in this area at the time this letter was prepared. No other conditions, expressed or implied, should be understood.

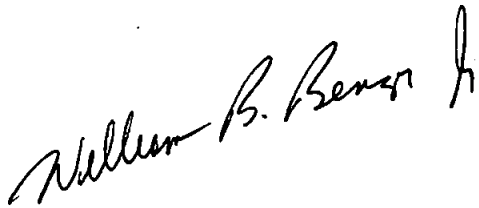
o O o

Environmental Sampling  
CDI Property  
NCA File No. 2194D97  
June 30, 1998  
Page 6

It has been a pleasure to provide service to you on this project. If you have any questions or require further information, please call.

Sincerely,

*NELSON-COUVRETTE & ASSOCIATES, INC.*

A handwritten signature in black ink, reading "William B. Benzer" followed by a stylized flourish.

William B. Benzer, PE  
Senior Engineer

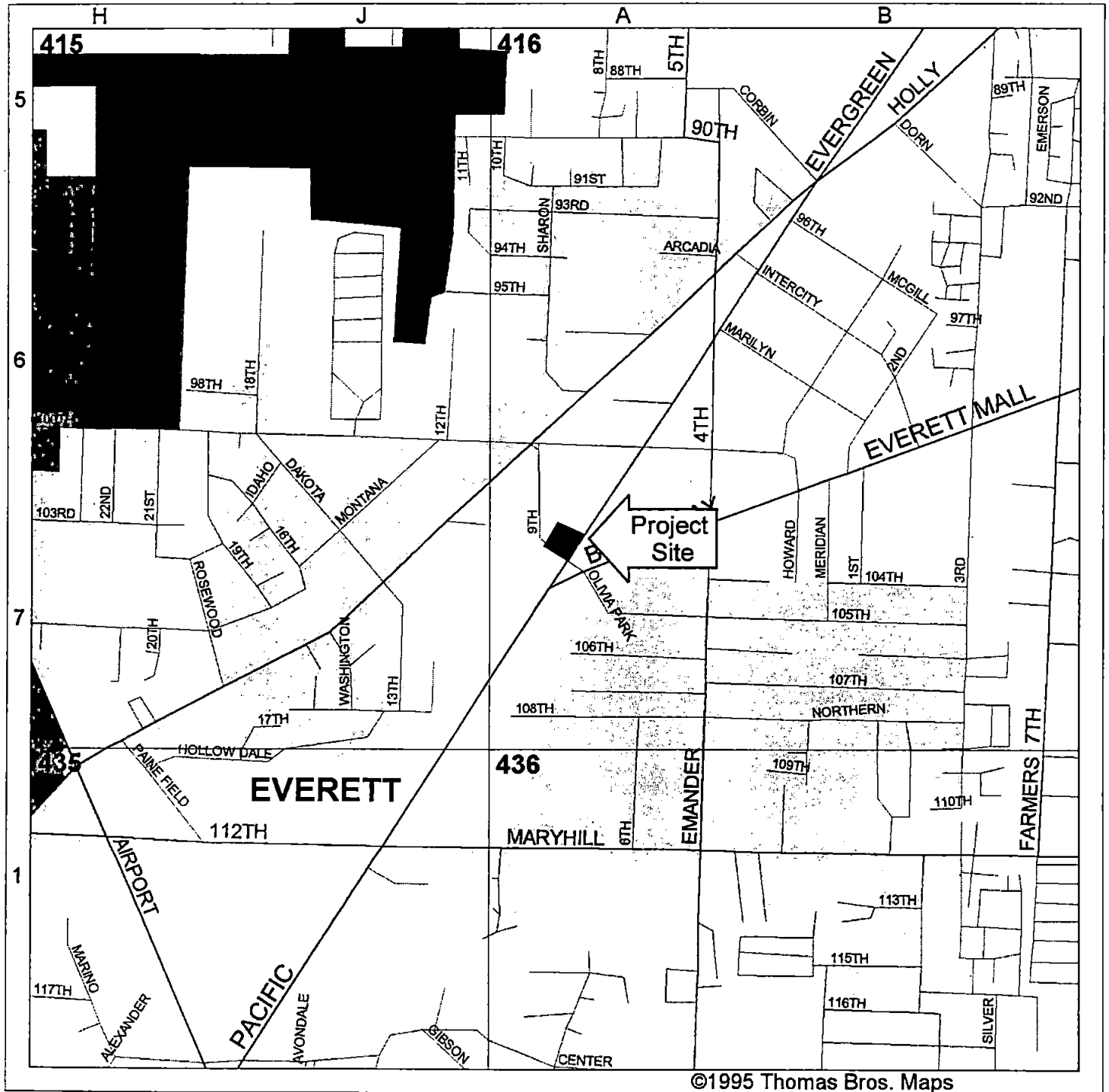
LMR:WBB:nt

Three Copies submitted  
Six Figures  
Appendix A – Laboratory Certificates

*NELSON-COUVRETTE & ASSOCIATES, INC.*



# Vicinity Map



**NELSON-COUVRETTE & ASSOCIATES, INC.**

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AND ENVIRONMENTAL SCIENTISTS

CDI Property

FIGURE

1

FILE NO.

2194D98

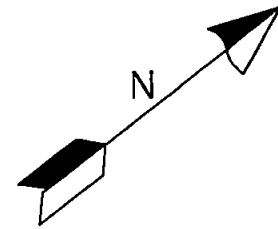
DATE

June 1998



# Site Plan

Existing brick  
building



## LEGEND



NUMBER AND APPROXIMATE  
LOCATION OF SOIL BORING  
AND MONITORING WELL



EXCAVATION AS OF 5/6/98  
(GEOTECH CONSULTANTS)



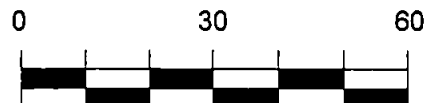
EXCAVATION AS OF 10/13/91 & 10/20/91  
(GEOTECH CONSULTANTS)



EXCAVATION AS OF 1/91  
(KALDVEER)



FENCE



Scale 1" = 30'

CDI Property

FIGURE

2

FILE NO.

2194D98

DATE

June 1998

Reference: Site Plan created from a drawing by Kegel and  
dated October 29, 1997.

# UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE - GRAINED SOILS  MORE THAN 50% RETAINED ON NO. 200 SIEVE	GRAVEL  MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
			GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	SAND  MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SIEVE	CLEAN SAND	SW	WELL-GRADED SAND, FINE TO COARSE SAND
			SP	POORLY-GRADED SAND
		SAND WITH FINES	SM	SILTY SAND
			SC	CLAYEY SAND
FINE - GRAINED SOILS  MORE THAN 50% PASSES NO. 200 SIEVE	SILT AND CLAY  LIQUID LIMIT LESS THAN 50%	INORGANIC	ML	SILT
			CL	CLAY
	SILT AND CLAY  LIQUID LIMIT 50% OR MORE	ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
		INORGANIC	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
			CH	CLAY OF HIGH PLASTICITY, FAT CLAY
		ORGANIC	OH	ORGANIC CLAY, ORGANIC SILT
			HIGHLY ORGANIC SOILS	

## NOTES:

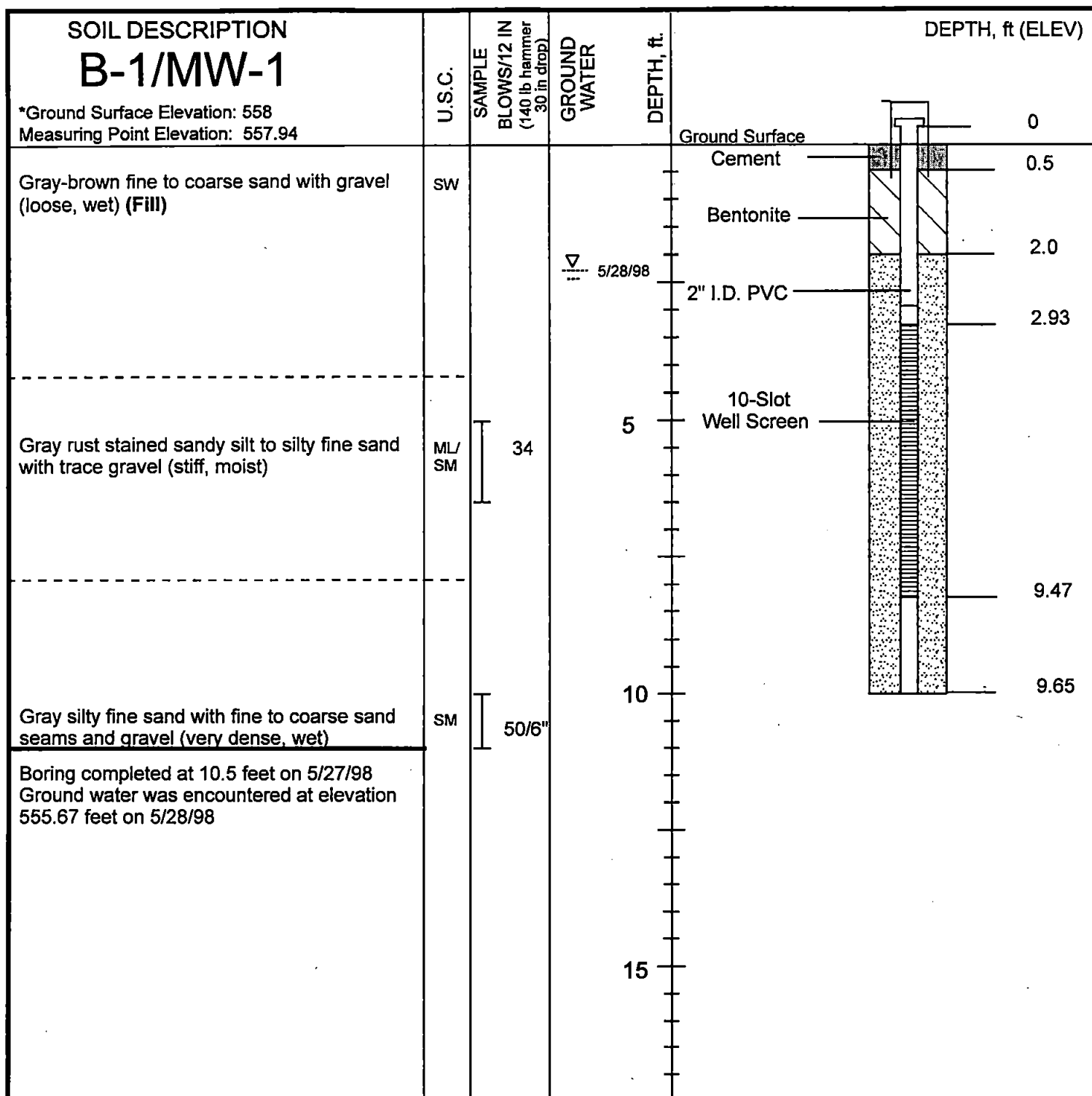
- 1) Field classification is based on visual examination of soil in general accordance with ASTM D 2488-83.
- 2) Soil classification using laboratory tests is based on ASTM D 2487-83.
- 3) Descriptions of soil density or consistency are based on interpretation of blowcount data, visual appearance of soils, and/or test data.

## SOIL MOISTURE MODIFIERS

Dry- Absence of moisture, dusty, dry to the touch

Moist- Damp, but no visible water

Wet- Visible free water or saturated, usually soil is obtained from below water table



## LEGEND

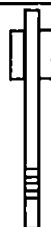
I Depth 2.5" O.D. California sample driven.

II Depth 3" O.D. thin-wall sample driven

\* Liquid limit

■ Moisture content

+ Plastic limit



IMPERVIOUS SEAL

WATER LEVEL

WELL SCREEN  
CAP

Locking  
Monument

P Sample pushed

TV Torvane reading,  
tons/ft

PP Pocket penetrometer  
reading, tons/ft

\* Relative elevation from estimated 558-foot elevation of ground surface at reference point.

NOTE: The stratification lines represent the approximate boundaries between soil types and the transition may be gradual.

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FIGURE

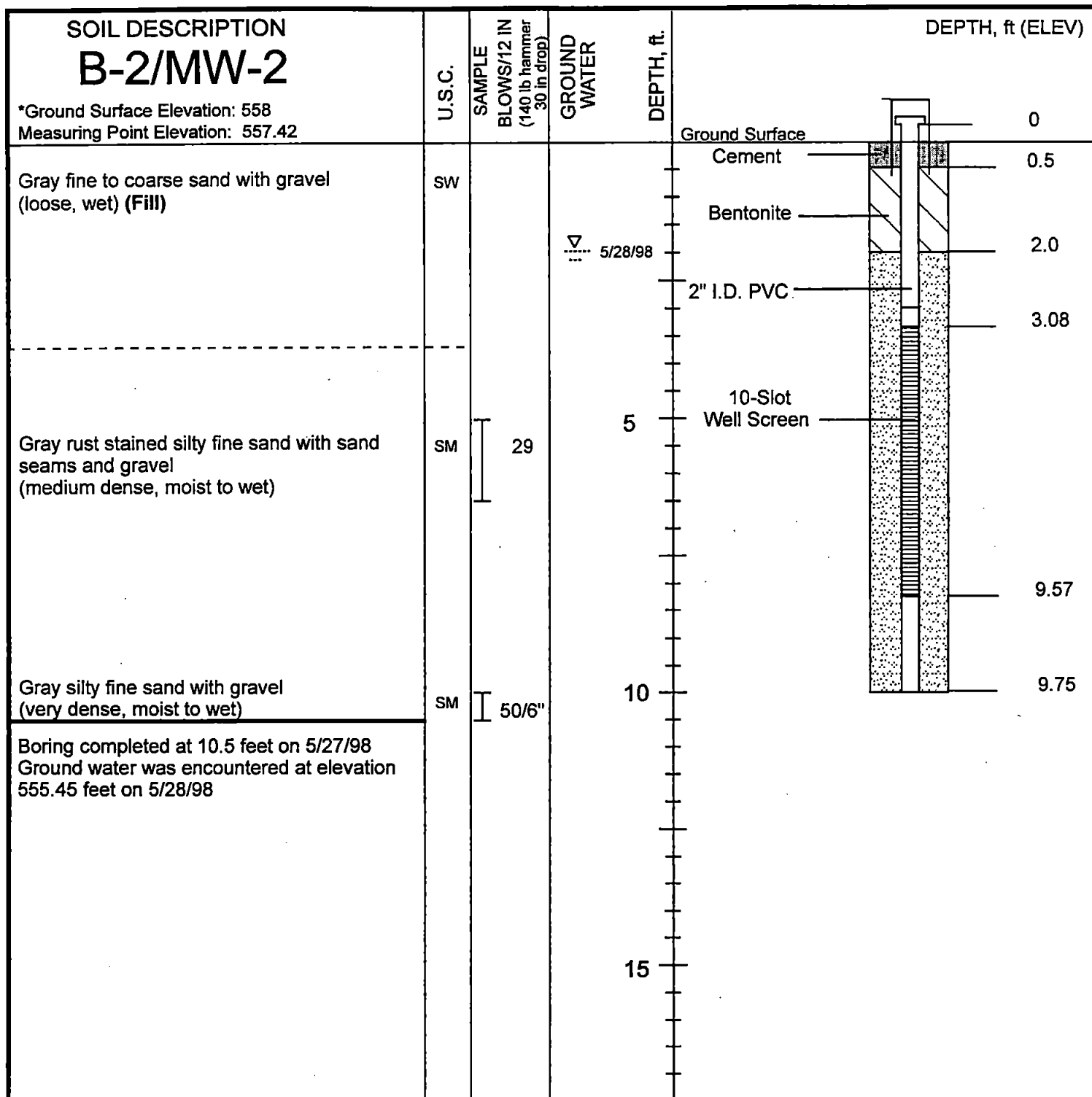
4

FILE NO.

2194D98

DATE

June 1998

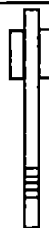


## LEGEND

I Depth 2.5" O.D. California sample driven.

II Depth 3" O.D. thin-wall sample driven

- \* Liquid limit
- Moisture content
- + Plastic limit



IMPERVIOUS SEAL

WATER LEVEL

WELL SCREEN  
CAP

Locking  
Monument

P Sample pushed

TV Torvane reading,  
tons/ft

PP Pocket penetrometer  
reading, tons/ft

\* Relative elevation from estimated 558-foot elevation of ground surface at reference point.

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CDI Property

FIGURE

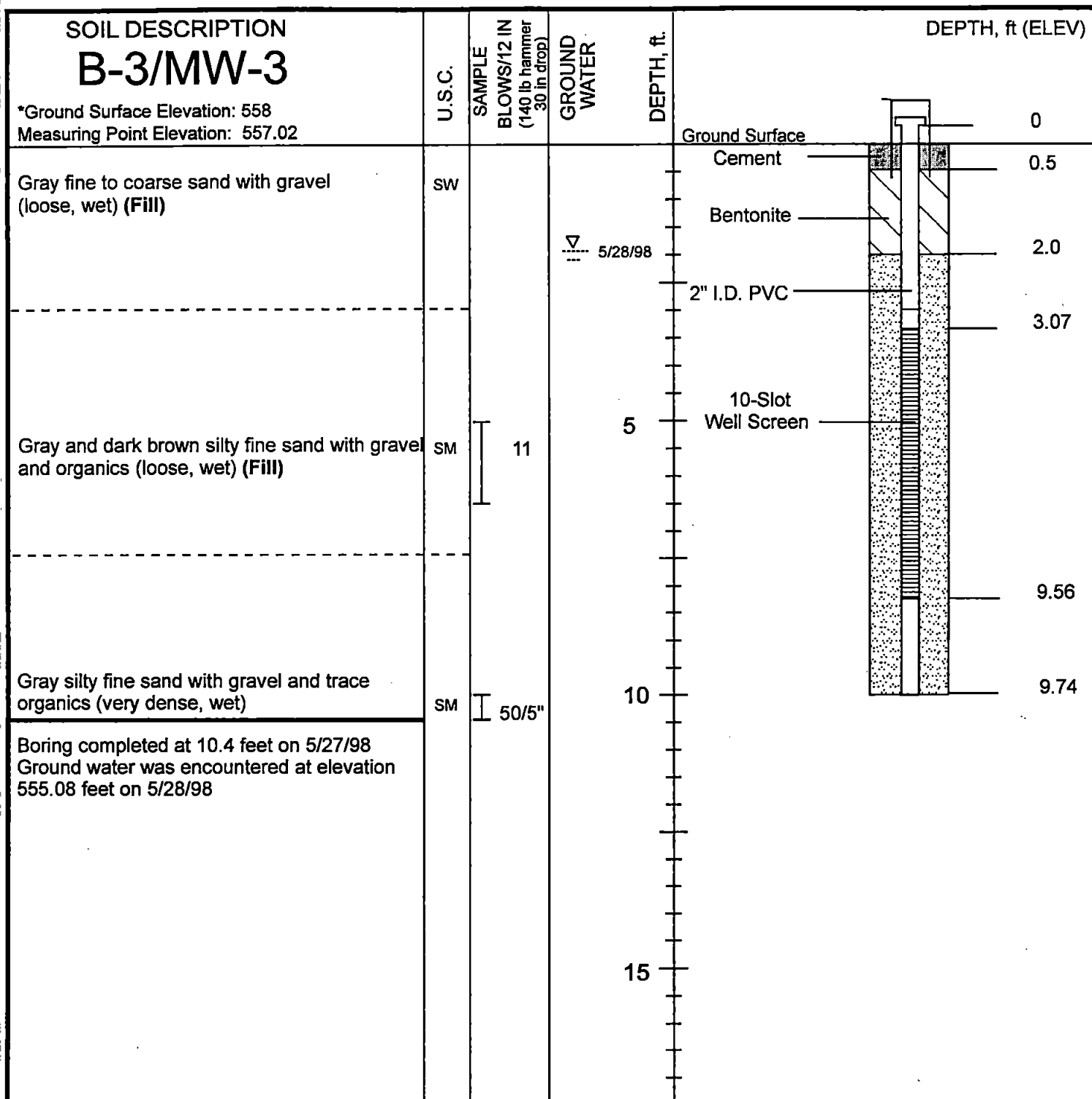
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FILE NO.

2194D98

DATE

June 1998



## LEGEND

I Depth 2.5" O.D. California sample driven.

II Depth 3" O.D. thin-wall sample driven

\* Liquid limit

■ Moisture content

+ Plastic limit



IMPERVIOUS SEAL

WATER LEVEL

WELL SCREEN  
CAP

Locking  
Monument

P Sample pushed

TV Torvane reading,  
tons/ft

PP Pocket penetrometer  
reading, tons/ft

\* Relative elevation from estimated 558-foot elevation of ground surface at reference point.

NOTE: The stratification lines represent the approximate boundaries between soil types and the transition may be gradual.

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FIGURE

6

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2194D98

DATE

June 1998

## **APPENDIX A**



**NORTH  
CREEK  
ANALYTICAL**  
*Environmental Laboratory Services*

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BOTHELL ■ (425) 420-9200 ■ FAX 420-9210  
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290  
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

son-Couvrette and Associates, Inc.  
11-135th Ave NE, #A-500  
Woodinville, WA 98072

Project: CDI  
Project Number: 2194D98  
Project Manager: William Benzer

Sampled: 5/28/98  
Received: 5/28/98  
Reported: 6/4/98 11:49

**ANALYTICAL REPORT FOR SAMPLES:**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
1W-1/S-1	B805594-06	Water	5/28/98
1V-2/S-1	B805594-07	Water	5/28/98
1V-3/S-1	B805594-08	Water	5/28/98

North Creek Analytical, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.  
This analytical report must be reproduced in its entirety.*

3 Chang, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 1 of 6



# NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210  
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290  
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Don-Couvrette and Associates, Inc.  
111-135th Ave NE, #A-500  
Woodinville, WA 98072

Project: CDI  
Project Number: 2194D98  
Project Manager: William Benzer

Sampled: 5/28/98  
Received: 5/28/98  
Reported: 6/4/98 11:49

## Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>W-1/S-1</b>								
				<b>B805594-06</b>		<b>Water</b>		
Gasoline Range Hydrocarbons	0580928	5/29/98	5/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		106	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		106	"	
<b>W-2/S-1</b>								
				<b>B805594-07</b>		<b>Water</b>		
Gasoline Range Hydrocarbons	0580928	5/29/98	5/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		103	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		107	"	
<b>W-3/S-1</b>								
				<b>B805594-08</b>		<b>Water</b>		
Gasoline Range Hydrocarbons	0580928	5/29/98	5/29/98		50.0	98.9	ug/l	
Benzene	"	"	"		0.500	2.36	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		105	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		107	"	

North Creek Analytical, Inc.

\*Refer to end of report for text of notes and definitions.

William Benzer, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132





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Environmental Laboratory Services

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Don-Couvrette and Associates, Inc.  
11-135th Ave NE, #A-500  
Woodinville, WA 98072

Project: CDI  
Project Number: 2194D98  
Project Manager: William Benzer

Sampled: 5/28/98  
Received: 5/28/98  
Reported: 6/4/98 11:49

## Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>1W-1/S-1</b>								
				<b>B805594-06</b>				
Diesel Range Hydrocarbons	0680013	6/1/98	6/2/98		0.250	0.312	Water mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		103	%	
<b>1W-2/S-1</b>								
				<b>B805594-07</b>				
Diesel Range Hydrocarbons	0680013	6/1/98	6/2/98		0.250	0.945	Water mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		94.0	%	
<b>1W-3/S-1</b>								
				<b>B805594-08</b>				
Diesel Range Hydrocarbons	0680013	6/1/98	6/2/98		0.250	0.517	Water mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		106	%	



# NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210  
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290  
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

on-Couvrette and Associates, Inc.  
11-135th Ave NE, #A-500  
oodinville, WA 98072

Project: CDI  
Project Number: 2194D98  
Project Manager: William Benzer

Sampled: 5/28/98  
Received: 5/28/98  
Reported: 6/4/98 11:49

## Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control North Creek Analytical - Bothell

anlyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>h: 0580928</b>										
<b>Date Prepared: 5/29/98</b>										
<b>Extraction Method: EPA 5030B (P/T)</b>										
<b>0580928-BLK1</b>										
Gasoline Range Hydrocarbons	5/29/98			ND	ug/l	50.0				
ene	"			ND	"	0.500				
ene	"			ND	"	0.500				
thylbenzene	"			ND	"	0.500				
lenes (total)	"			ND	"	1.00				
rogate: 4-BFB (FID)	"	48.0		49.3	"	50.0-150	103			
rogate: 4-BFB (PID)	"	48.0		50.7	"	50.0-150	106			
<b>0580928-BS1</b>										
Gasoline Range Hydrocarbons	5/29/98	500		652	ug/l	70.0-130	130			
rogate: 4-BFB (FID)	"	48.0		56.2	"	50.0-150	117			
<b>0580928-DUP1 B805507-00</b>										
Gasoline Range Hydrocarbons	5/29/98		1710	1710	ug/l			25.0	0	
rogate: 4-BFB (FID)	"	48.0		60.3	"	50.0-150	126			
<b>0580928-DUP2 B805507-02</b>										
Gasoline Range Hydrocarbons	5/29/98		9890	9660	ug/l			25.0	2.35	
rogate: 4-BFB (FID)	"	48.0		61.9	"	50.0-150	129			
<b>0580928-MS1 B805441-03</b>										
Gasoline Range Hydrocarbons	5/29/98	10.0	ND	10.7	ug/l	70.0-130	107			
ene	"	10.0	ND	10.2	"	70.0-130	102			
thylbenzene	"	10.0	ND	10.4	"	70.0-130	104			
lenes (total)	"	30.0	ND	31.0	"	70.0-130	103			
rogate: 4-BFB (PID)	"	48.0		50.0	"	50.0-150	104			
<b>0580928-MSD1 B805441-03</b>										
Gasoline Range Hydrocarbons	5/29/98	10.0	ND	10.5	ug/l	70.0-130	105	15.0	1.89	
ene	"	10.0	ND	10.0	"	70.0-130	100	15.0	1.98	
thylbenzene	"	10.0	ND	10.3	"	70.0-130	103	15.0	0.966	
lenes (total)	"	30.0	ND	30.5	"	70.0-130	102	15.0	0.976	
rogate: 4-BFB (PID)	"	48.0		50.2	"	50.0-150	105			

North Creek Analytical, Inc.

\*Refer to end of report for text of notes and definitions.

3 Chang, Project Manager

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# NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210  
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290  
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

on-Couvrette and Associates, Inc.

Project: CDI

Sampled: 5/28/98

11-135th Ave NE, #A-500

Project Number: 2194D98

Received: 5/28/98

oodinville, WA 98072

Project Manager: William Benzer

Reported: 6/4/98 11:49

## Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)/Quality Control

North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>h: 0680013</b>										
<b>k</b>										
<b>Date Prepared: 6/1/98</b>										
<b>Extraction Method: EPA 3520C/600 Series</b>										
<b>0680013-BLK1</b>										
Diesel Range Hydrocarbons	6/2/98			ND	mg/l	0.250				
Heavy Oil Range Hydrocarbons	"			ND	"	0.750				
Surrogate: 2-FBP	"	0.320		0.326	"	50.0-150	102			
<b>0680013-BS1</b>										
Diesel Range Hydrocarbons	6/2/98	2.00		1.93	mg/l	60.0-140	96.5			
Surrogate: 2-FBP	"	0.320		0.324	"	50.0-150	101			
<b>0680013-DUP1 B805594-06</b>										
Diesel Range Hydrocarbons	6/2/98		0.312	0.257	mg/l			44.0	19.3	
Surrogate: 2-FBP	"	0.605		0.618	"	50.0-150	102			
<b>0680013-DUP2 B805624-15</b>										
Diesel Range Hydrocarbons	6/2/98		ND	0.262	mg/l			44.0		
Surrogate: 2-FBP	"	0.616		0.629	"	50.0-150	102			

North Creek Analytical, Inc.

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## Notes and Definitions

### Note

Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit

Not Reported

Sample results reported on a dry weight basis

Recovery

Relative Percent Difference

th Creek Analytical, Inc.

B Chang, Project Manager

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