VCP: 256380, Bellingham
aka Starvin Sams Mini Mart 14
VCP NW 1487

Tosco 6380
Bellingham
LUST 471259

DATE: June 17, 2005

ConocoPhillips

GROUNDWATER MONITORING REPORT

Site No.: 6380 Address: 200 South 36th Street, Bellingham, Washington
ConocoPhillips Site Manager: Kipp W. Eckert
Consultant / Contact Person: SECOR International Inc. / Alice Larsen
Primary Agency/Regulatory ID No.: Washington State Department of Ecology
SECOR Project No: 01CP.06380.07

WORK PERFORMED THIS QUARTER(S) [1st - 2005]:

- On 3/03/05, SECOR personnel monitored and purged four of the existing network of four groundwater monitoring wells (MW-1 through MW-4). On 03/04/05 SECOR personnel returned to the site and sampled groundwater monitoring wells MW-1 through MW-4. Samples were submitted to Severn Trent Laboratories, Inc. (STL) for analysis of gasoline-range hydrocarbons per NWTPH-Gx Method, diesel and motor oil-range hydrocarbons per NWTPH-Dx Method modified with an acid/silica gel cleanup, BTEX per USEPA Method 8260B and total lead per ICP-USEPA Method 6010. Due to sampler error total lead was sampled for instead of dissolved lead.

WORK PROPOSED FOR NEXT QUARTER [2nd - 2005]:

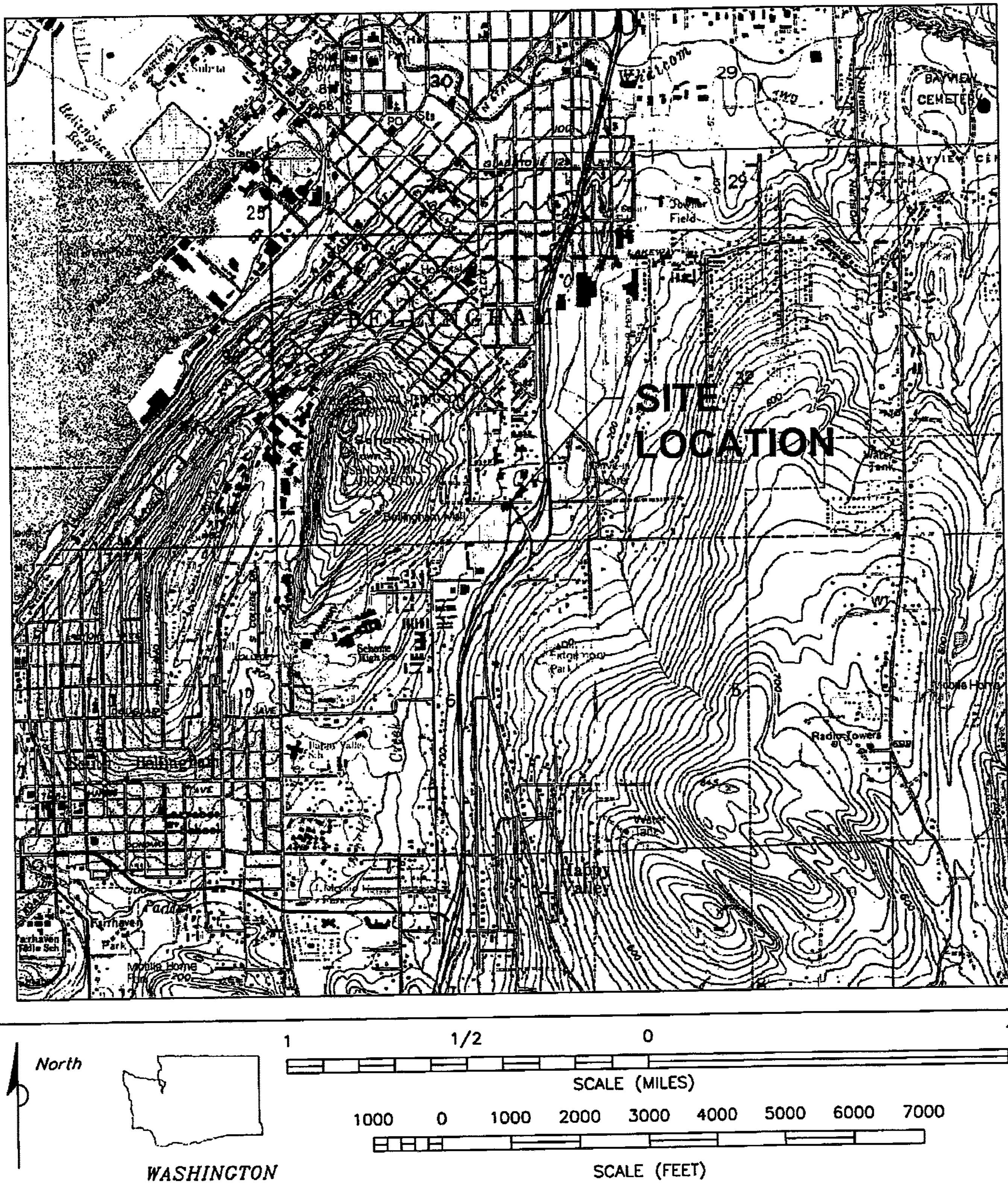
- Measure depth to water, purge, and sample 4 groundwater monitoring wells (MW-1 through MW-4). Submit groundwater samples to STL for analysis for NWTPH-Gx, NWTPH-Dx, BTEX and dissolved lead.

SUMMARY:

Frequency of Sampling Events:	Quarterly	(03/05,06/05,09/05,12/05)
Depth to Groundwater:	5.02 ft. (MW-3)	(Measured Feet Below
	8.34 ft. (MW-2)	Top of Well Casing)
Groundwater Gradient:	Northwest	(Direction)
	0.05 ft/ft	(Magnitude)
Maximum TPH-G Concentrations:	None Detected	(ppb / well ID)
Maximum TPH-D Concentrations:	None Detected	(ppb / well ID)
Maximum TPH-O Concentrations:	None Detected	(ppb / well ID)
Maximum Benzene Concentration:	None Detected	(ppb / well ID)
Maximum Dissolved Lead Concentration:	None Detected	(ppb / well ID)
Measurable Free Product Detected:	No	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	None	(Gallons)
Cumulative Free Product Recovered to Date:	None	(Gallons)
Water Wells or	i.) One Water Well	(Type)
Surface Waters w/in 2,000 ft:	ii.) Connelly Creek	
Radius and Respective	i.) 1600 ft. West	(Respective Distance
Direction From Site:	ii.) 1000 ft. Southwest	& Direction)
Current Remedial Action:	MNA	(SVE/AS/P&T/MNA etc.)
Permits for Discharge:	None	(NPDES, POTW, etc.)

ENTERED AUG 8-9 2005

ENTERED



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; BELLINGHAM SOUTH, WASHINGTON; 1972

SLCOR
12034 134th COURT, SUITE 102
REDMOND, WASHINGTON
PHONE: (425) 372-1600 FAX: (425) 372-1650

PREPARED FOR: ConocoPhillips
FACILITY NO 6380
200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

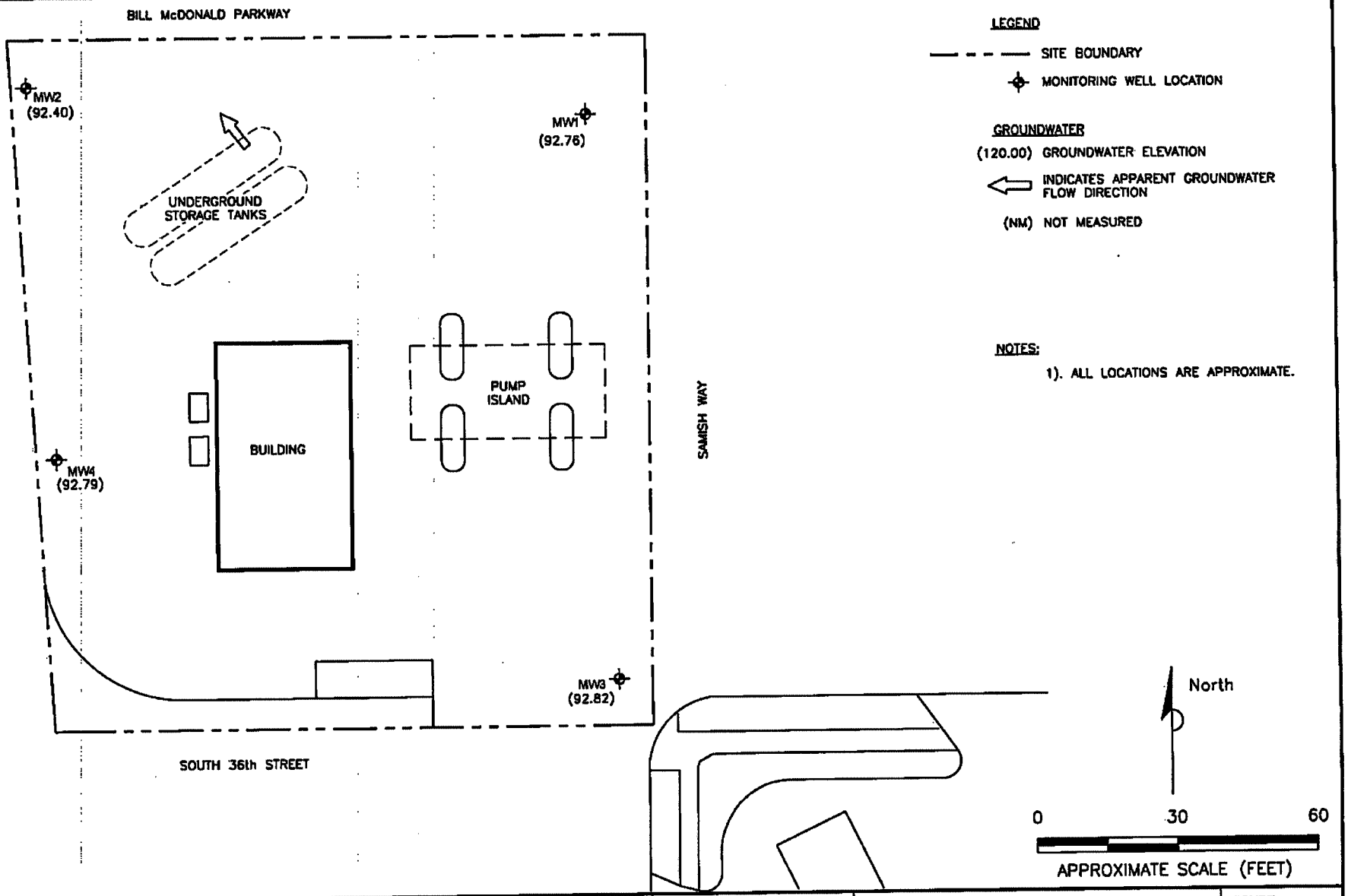
SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.06380.07	S. SIMMONS	MR		2/5/04

PATH ON LEFT

FILEPATH: Q:\CADD-01\CAD_FILES\PROJECTS\CONOCO\WASHINGTON\6380\6380(M).DWG MODIFIED BY CTORRES AT JUN 28, 2005 - 11:46



SOURCE:
BASE MAP FROM: ENVIRONMENTAL RESOLUTIONS, INC. (ERI) TITLED GROUNDWATER SAMPLE ANALYSIS MAP- 06/10/03, PLATE 1, DATED 07/08/03, PROJECT NO. 31065. CADD FILE 31065.13.DWG

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PREPARED FOR:
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200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

SITE PLAN WITH GROUNDWATER ELEVATIONS 3/4/05

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.06380.07	SS/ARA	MR		4/12/05

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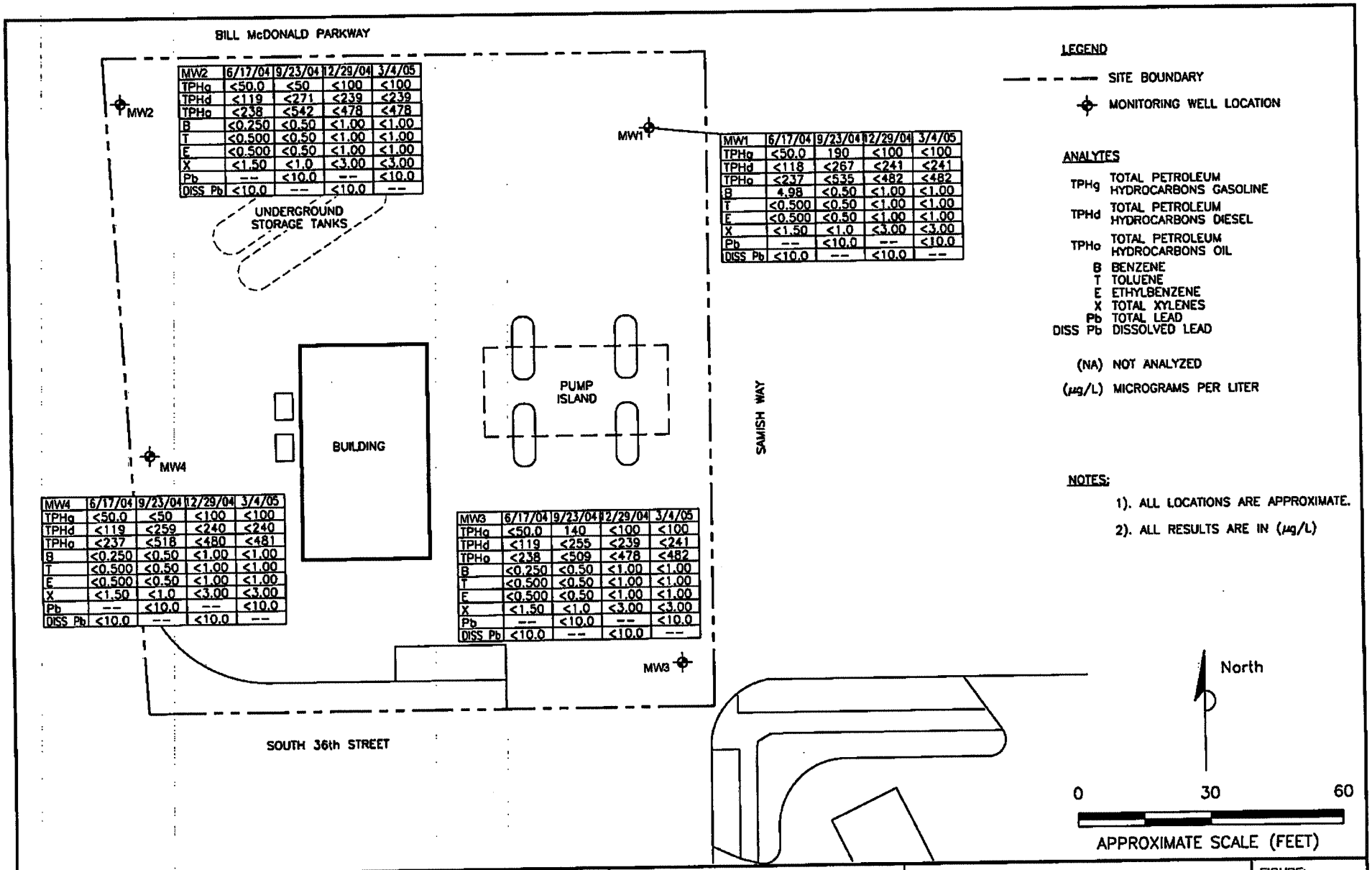

MW2	6/17/04	9/23/04	12/29/04	3/4/05
TPHg	<50.0	<50	<100	<100
TPHd	<119	<271	<239	<239
TPHo	<238	<542	<478	<478
B	<0.250	<0.50	<1.00	<1.00
T	<0.500	<0.50	<1.00	<1.00
E	<0.500	<0.50	<1.00	<1.00
X	<1.50	<1.0	<3.00	<3.00
Pb	--	<10.0	--	<10.0
DISS Pb	<10.0	--	<10.0	--

MW1	6/17/04	9/23/04	12/29/04	3/4/05
TPHg	<50.0	190	<100	<100
TPHd	<118	<267	<241	<241
TPHo	<237	<535	<482	<482
B	4.98	<0.50	<1.00	<1.00
T	<0.500	<0.50	<1.00	<1.00
E	<0.500	<0.50	<1.00	<1.00
X	<1.50	<1.0	<3.00	<3.00
Pb	--	<10.0	--	<10.0
DISS Pb	<10.0	--	<10.0	--

MW4	6/17/04	9/23/04	12/29/04	3/4/05
TPHg	<50.0	<50	<100	<100
TPHd	<119	<259	<240	<240
TPHo	<237	<518	<480	<481
B	<0.250	<0.50	<1.00	<1.00
T	<0.500	<0.50	<1.00	<1.00
E	<0.500	<0.50	<1.00	<1.00
X	<1.50	<1.0	<3.00	<3.00
Pb	--	<10.0	--	<10.0
DISS Pb	<10.0	--	<10.0	--

MW3	6/17/04	9/23/04	12/29/04	3/4/05
TPHg	<50.0	140	<100	<100
TPHd	<119	<255	<239	<241
TPHo	<238	<509	<478	<482
B	<0.250	<0.50	<1.00	<1.00
T	<0.500	<0.50	<1.00	<1.00
E	<0.500	<0.50	<1.00	<1.00
X	<1.50	<1.0	<3.00	<3.00
Pb	--	<10.0	--	<10.0
DISS Pb	<10.0	--	<10.0	--

LEGEND

SITE BOUNDARY

MONITORING WELL LOCATION

ANALYTES

TPHg TOTAL PETROLEUM HYDROCARBONS GASOLINE

TPHd TOTAL PETROLEUM HYDROCARBONS DIESEL

TPHo TOTAL PETROLEUM HYDROCARBONS OIL

B BENZENE

T TOLUENE

E ETHYLBENZENE

X TOTAL XYLENES

Pb TOTAL LEAD

DISS Pb DISSOLVED LEAD

(NA) NOT ANALYZED

(µg/L) MICROGRAMS PER LITER

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE.

2). ALL RESULTS ARE IN (µg/L)

SOURCE:
BASE MAP FROM: ENVIRONMENTAL RESOLUTIONS, INC. (ERI) TITLED GROUNDWATER SAMPLE ANALYSIS MAP- 06/10/03, PLATE 1, DATED 07/08/03, PROJECT NO. 31065. CADD FILE 31065.13.DWG

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SITE PLAN WITH ANALYTICAL RESULTS (6/17/04 - 3/4/05)

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.06380.07	SS/ARA	ML		4/12/05

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TABLE 1
CUMMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Site No. 8380
2200 South 56th Street
Bellingham, Washington
Page 1 of 2

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb
MW1	03/11/99	4.96	93.53	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	2.41	--
TOC Elevation	05/25/99	5.33	93.16	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
98.49	08/12/99	6.66	91.83	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	6.10	92.39	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	6.18	--
	02/10/00	6.10	92.39	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	1.75	--
	02/02/01	5.17	93.32	<50.0	588	<750	124	1.02	1.10	2.77	--	<1.00
	02/08/02	5.77	92.72	838	1,600	<500	128	2.15	85.4	6.55	7.70	<1.00
	09/20/02	6.27	92.22	197	1,320	<588	1.82	<0.500	33.0	<1.00	<1.00	--
	12/04/02	7.05	91.44	373	511	<568	106	1.32	1.39	5.41	4.65	--
	03/05/03	5.70	92.79	168	<250	<500	28.3	1.70	3.55	5.87	4.90	--
	06/10/03	5.92	92.57	400	<250	<500	36.9	2.43	30.5	6.97	17.1	--
	09/03/03	6.30	92.19	258	301	<588	1.91	3.22	4.30	5.25	8.72	--
	12/12/03	5.530	92.960	204	700	304	2.45	<0.500	<0.500	<1.500	<5.0	--
	03/24/04	6.11	92.38	163	<126	<251	12.6	<1.00	<1.00	<3.00	14.6	--
	6/17/2004	5.10	93.39	<50.0	<118	<237	4.98	<0.500	<0.500	<1.50	--	<10.0
	9/23/2004	5.28	93.21	190	<267	<535	<0.50	<0.50	<0.50	<1.0	<10.0	--
	12/29/2004	5.42	93.07	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	<10.0
	3/4/2005	5.73	92.76	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	<10.0	--
MW2	03/11/99	7.93	92.81	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	162	--
TOC Elevation	05/25/99	8.18	92.56	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
100.74	08/12/99	8.94	91.80	<50.0	281	<750	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	8.04	92.70	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	17.0	--
	02/10/00	8.32	92.42	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	49.1	--
	02/02/01	6.40	94.34	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	<1.00
	02/08/02	7.77	92.97	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	40.6	<1.00
	09/20/02	9.23	91.51	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
	12/04/02	9.15	91.59	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	2.89	--
	03/05/03	8.28	92.46	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	19.8	--
	06/10/03	8.56	92.18	<50.0	<284	<568	<0.500	1.36	<0.500	2.53	40.1	--
	09/03/03	9.13	91.61	<80.0	<298	<595	0.829	1.25	0.519	2.49	53.3	--
	12/12/03	8.120	92.620	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.500	<5.0	--
	03/24/04	8.13	92.61	<100	<124	<248	<1.00	<1.00	<1.00	<3.00	21.3	
	6/17/2004	8.13	92.61	<50.0	<119	<238	<0.250	<0.500	<0.500	<1.50	--	<10.0
	9/23/2004	8.33	92.41	<50	<271	<542	<0.50	<0.50	<0.50	<1.0	<10.0	--
	12/29/2004	7.82	92.92	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	<10.0
	3/4/2005	8.34	92.40	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	<10.0	--
MW3	03/11/99	4.93	92.91	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	6.35	--
TOC Elevation	05/25/99	5.19	92.65	210	383	<750	<0.500	<0.500	3.04	3.93	--	--
97.84	08/12/99	5.70	92.14	56.3	<250	<750	<0.500	<0.500	0.732	1.84	--	--
	12/07/99	5.03	92.81	94.7	<250	<750	<0.500	0.598	<0.500	<1.00	4.40	--
	02/10/00	4.92	92.92	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	17.6	--
	02/02/01	4.76	93.08	63.0	413	<750	<0.500	<0.500	0.503	<1.00	--	<1.00
	02/08/02	4.59	93.25	91.5	410	<500	<0.500	<0.500	<0.500	<1.00	22.5	<1.00
	09/20/02	5.88	91.96	129	372	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
	12/04/02	5.26	92.58	147	371	<500	<0.500	<0.500	<0.500	<1.00	4.60	--
	03/05/03	4.70	93.14	62.2	<250	<500	<0.500	<0.500	<0.500	<1.00	12.5	--
	06/10/03	5.31	92.53	<50.0	<250	<500	<0.500	0.562	<0.500	<1.00	6.90	--
	09/03/03	5.66	92.18	<80.0	<250	<500	2.12	0.753	<0.500	<1.00	<1.00	--
	12/12/03	4.785	93.055	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.500	<5.0	--
	03/24/04	4.81	93.03	<100	<128	<256	<1.00	<1.00	<1.00	<3.00	20.0	--
	6/17/2004	4.97	92.87	<50.0	<119	<238	<0.250	<0.500	<0.500	<1.50	--	<10.0
	9/23/2004	5.03	92.81	140	<255	<509	<0.50	<0.50	<0.50	<1.0	<10.0	--
	12/29/2004	4.53	93.31	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	<10.0
	3/4/2005	5.02	92.82	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	<10.0	--
MTCA Method A Cleanup Levels				1000/800	500	500	5	1000	700	1000	15	15

TABLE 1
SUMMARY OF CUMMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Site No. 6350
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb
MW4	03/11/99	6.39	93.05	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	29.0	--
TOC Elevation	05/25/99	6.62	92.82	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
99.44	08/12/99	7.31	92.13	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	6.37	93.07	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	10.2	--
	02/10/00	6.48	92.96	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	23.6	--
	02/02/01	6.37	93.07	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	<1.00
	02/08/02	6.03	93.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	3.30	<1.00
	09/20/02	7.37	92.07	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
	12/04/02	7.03	92.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
	03/05/03	6.33	93.11	<50.0	<284	<568	<0.500	<0.500	<0.500	<1.00	6.81	--
	06/10/03	6.99	92.45	<50.0	<250	<500	<0.500	0.887	<0.500	1.26	10.5	--
	09/03/03	7.60	91.84	<80.0	<312	<625	0.620	<0.500	<0.500	<1.00	2.75	--
	12/12/03	6.485	92.955	<50.0	<118	<237	<0.250	<0.500	<0.500	<1.500	<5.0	--
	03/24/04	6.54	92.90	<100	<133	<265	<1.00	<1.00	<1.00	<3.00	<5.0	--
	6/17/2004	5.91	93.53	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.50	--	<10.0
	9/23/2004	6.52	92.92	<50	<259	<518	<0.50	<0.50	<0.50	<1.0	<10.0	--
	12/29/2004	6.14	93.30	<100	<240	<480	<1.00	<1.00	<1.00	<3.00	--	<10.0
	3/4/2005	6.65	92.79	<100	<240	<481	<1.00	<1.00	<1.00	<3.00	<10.0	--
Waste Water Effluent	12/12/03	--	--	<50.0	--	--	<0.250	<0.500	<0.500	<1.500	--	--
	03/24/04	--	--	<50.0	--	--	<0.500	<0.500	<0.500	<1.500	--	--
	6/17/2004	--	--	<50.0	--	--	<0.250	<0.500	<0.500	<1.50	--	--
	9/23/2004	--	--	66	--	--	<0.50	<0.50	<0.50	<1.0	--	--
	12/29/2004	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0
	3/4/2005			<100	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MTCA Method A Cleanup Levels				1000/800*	500	500	5	1000	700	1000	15	15

EXPLANATION:

TOC = Top of Casing

All concentrations are in ug/L (ppb).

Wellhead elevations were taken from prior consultants reports.

DTW = Depth to water in feet below top of casing

GW Elev. = Groundwater elevation relative to top of casing elevation

TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx

TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method NWTPH-Dx

B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes

Prior to 12/12/03; on 6/17/04 and after 9/23/04 BTEX = Aromatic compounds by EPA Method 8020 and 8021B, refer to laboratory reports.

12/12/03, 3/24/04 and 9/23/04 BTEX = Aromatic compounds by EPA Method 5030/8260B, refer to laboratory reports.

Prior to 12/12/03 Total Pb by EPA Method 8020; Diss Pb = Dissolved lead by EPA Method 6020

After 9/03/03 Total Pb = Total lead by ICP-USEPA Method 6010; Diss Pb = Dissolved lead by ICP-USEPA Method 6010

-- = Not Analyzed or Sampled

< = Less than the stated laboratory reporting limit

Shaded values equal or exceed MTCA Method A Cleanup Levels.

* Concentration levels stated by MTCA Method A for TPH-G are 1000 µg/L when no benzene is present and 800 µg/L when benzene is present.

Data collected before 12/12/03 are taken from prior consultants.

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

TRANSMITTAL MEMORANDUM

DATE: March 15, 2005

TO: Marc Sauze
SECOR International Inc.
12034 134th Ct. NE, Suite 102
Redmond, WA 98052

PROJECT: 6380, BELLINGHAM, wa

REPORT NUMBER: 126612

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for five samples received at STL Seattle on March 4, 2005.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Tom Coyner
Project Manager

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
126612-1	MW-1	03-04-05 09:05	Liquid
126612-2	MW-2	03-04-05 07:40	Liquid
126612-3	MW-3	03-04-05 08:40	Liquid
126612-4	MW-4	03-04-05 08:30	Liquid
126612-5	EFFLUENT	03-04-05 09:30	Liquid

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-1
Lab ID:	126612-01
Date Received:	3/4/05
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	105		50	150
1-Chloro-3-fluorobenzene	105		80	120
Bromofluorobenzene	104		80	120
Pentafluorobenzene	110		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-2
Lab ID:	126612-02
Date Received:	3/4/05
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	106		50	150
1-Chloro-3-fluorobenzene	107		80	120
Bromofluorobenzene	105		80	120
Pentafluorobenzene	112		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-3
Lab ID:	126612-03
Date Received:	3/4/05
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	94.7		50	150
1-Chloro-3-fluorobenzene	95.5		80	120
Bromofluorobenzene	93.9		80	120
Pentafluorobenzene	99.1		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-4
Lab ID:	126612-04
Date Received:	3/4/05
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	107		50	150
1-Chloro-3-fluorobenzene	107		80	120
Bromofluorobenzene	106		80	120
Pentafluorobenzene	112		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	EFFLUENT
Lab ID:	126612-05
Date Received:	3/4/05
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	100		50	150
1-Chloro-3-fluorobenzene	102		80	120
Bromofluorobenzene	100		80	120
Pentafluorobenzene	105		81	126

		Result		
Analyte		**(mg/L)**	**RL**	**Flags**
Gasoline By NWTPH-G	ND		0.1	
Benzene	ND		0.001	
Toluene	ND		0.001	
Ethylbenzene	ND		0.001	
m&p-Xylene	ND		0.002	
o-Xylene	ND		0.001	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-1
Lab ID:	126612-01
Date Received:	3/4/2005
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	88.3		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.241	
Motor Oil	ND	0.482	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-2
Lab ID:	126612-02
Date Received:	3/4/2005
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	94.6		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.239	
Motor Oil	ND	0.478	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-3
Lab ID:	126612-03
Date Received:	3/4/2005
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	74.3		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.241	
Motor Oil	ND	0.482	

STL Seattle

Client Name:	SECOR International Inc.
Client ID:	MW-4
Lab ID:	126612-04
Date Received:	3/4/2005
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	75.7		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.24	
Motor Oil	ND	0.481	

STL Seattle

Client Name	SECOR International Inc.
Client ID:	MW-1
Lab ID:	126612-01
Date Received:	3/4/05
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.01	

STL Seattle

Client Name	SECOR International Inc.
Client ID:	MW-2
Lab ID:	126612-02
Date Received:	3/4/05
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.01	

STL Seattle

Client Name	SECOR International Inc.
Client ID:	MW-3
Lab ID:	126612-03
Date Received:	3/4/05
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.01	

STL Seattle

Client Name	SECOR International Inc.
Client ID:	MW-4
Lab ID:	126612-04
Date Received:	3/4/05
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.01	

STL Seattle

Lab ID:	Method Blank - GB5024
Date Received:	-
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	108		50	150
1-Chloro-3-fluorobenzene	113		80	120
Bromofluorobenzene	113		80	120
Pentafluorobenzene	114		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
MTBE	ND	0.001	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB5024
Date Prepared:	3/9/05
Date Analyzed:	3/9/05
QC Batch ID:	GB5024

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Gasoline By NWTPH-G	0	1.25	1.24	99	1.22	97.8	-1.2	
Benzene	0	0.025	0.0286	114	0.028	112	-1.8	
Toluene	0	0.025	0.0291	116	0.0284	114	-1.7	
Ethylbenzene	0	0.025	0.0286	114	0.028	112	-1.8	
m&p-Xylene	0	0.05	0.0576	115	0.0558	112	-2.6	
o-Xylene	0	0.025	0.0285	114	0.028	112	-1.8	

STL Seattle

Lab ID:	Method Blank - DW0738
Date Received:	-
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	99		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.25	
Motor Oil	ND	0.5	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	DW0738
Date Prepared:	3/8/2005
Date Analyzed:	3/11/2005
QC Batch ID:	DW0738

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
#2 Diesel	0.035	5	4.94	98.2	3.93	77.9	-23	
Motor Oil	0	5	5.24	105	4.04	80.7	-26	

STL Seattle

Lab ID:	Method Blank - TP978
Date Received:	-
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.01	

STL Seattle

Matrix Spike Report

Client Sample ID:	OUTFALL 001
Lab ID:	126613-01
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
QC Batch ID:	TP978

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Lead	0	1	0.99	99	

STL Seattle

Duplicate Report

Client Sample ID:	OUTFALL 001
Lab ID:	126613-01
Date Prepared:	3/8/05
Date Analyzed:	3/8/05
QC Batch ID:	TP978

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Lead	0	0	NC	

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

2.3°

12661

SEVERN TRENT **STL**

Client	Project Manager	Date	Chain of Custody Number
SECOR	Marc Sauze	3.4.05	19524
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
	425.372.1000		
City: Redmond	State: WA	Zip Code:	Site Contact:	Lab Contact:
Project Name and Location (State): 6380, Bellingham, WA	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.: 157 SEC006		

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TPH-6Cr	BTEX	TPH-Dx	Pb
MW-1	3.4.05	9:05		X												
MW-2		7:40														
MW-3		8:40														
MW-4		8:30														
EFFLUENT		9:30														

Special Instructions/ Conditions of Receipt

Cooler: ☒ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Meredith Redmon	3.4.05	13:00
2. Relinquished By:		
3. Relinquished By:		

	Date	Time
1. Received By:	3/4/05	1330
2. Received By:		
3. Received By:		

Comments

00024

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

SECOR

DAILY FIELD LOG

Page: 1 of 1
Date: ~~1/28/2004~~ 3/3/05

Client: ConocoPhillips	Site No: 6380 - Bellingham	Project No: 01CP.06380.04

Scope of Work: x Quarter Monitoring/Sampling 1571SEC001

Describe Daily Activities:

Gauged 4 monitoring wells.
Purged 4 monitoring wells.
Sampled / monitoring wells.

Number of drums left on site: —

Field Notes:

15:30 : MK onsite, checked in w/ store manager. Reviewed HASP
USTs being filled upon arival @ site. Set up decon.

16:12 : Finished gauging, —

16:30 : Started purging.

→ Due to sampler error total Pb was sampled for instead of dissolved Pb.

Arrived on Site: 15:30 Departed Site: 17:30

Decontamination Procedures: 3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)

Daily Health and Safety Log Completed?: Yes Utility Locations Checked?: —

Important Conversations: —

Important Changes in Scope of Work: —

Weather Conditions: Sunny, 50's Subcontractors On Site: NO

SECOR Personnel On Site: Meredith Redmon

Signed: Meredith Redmon Date: 3-3-05

SECOR

DAILY FIELD LOG

Page: 1 of 1
Date:

Client: ConocoPhillips	Site No: 6350	Project No:

Scope of Work: x Quarter Monitoring/Sampling W/O #:

Describe Daily Activities:

Gauged _____ monitoring wells.
Purged _____ monitoring wells.
Sampled 4 monitoring wells.

Number of drums left on site: _____

Field Notes:

700 : MK onsite - Set up decon / sample prep. Reviewed HASP ; checked in w/ site managers -

755 : samples from MW-4 have a lot of sediment. re-took samples.

9:30 started running purge water through carbon filters.

Arrived on Site: 700 Departed Site: _____

Decontamination Procedures: 3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)

Daily Health and Safety Log Completed?: Utility Locations Checked?:

Important Conversations:

Important Changes in Scope of Work:

Weather Conditions: Subcontractors On Site:

SECOR Personnel On Site:

Signed: _____ Date: _____

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Well No: MW-2

Project Name:

Date: 3/3/05

Project Number:

Sample Time: 740

SECOR Rep: ~~August Welch~~ Meredith Kellman

Checked by:

Sample No:

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #

Purging Equipment / Method: ___ Vac Truck ___Bailer X_Submersible Pump ___Peristaltic

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ____Teflon Bailer ____Disposable Bailer ___x__Other:___Peristaltic

Decontamination Method: ___Steam / High Pressure Wash _x__3 Stage (Alconox, Tap & DI rinse) ___Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 10 12

Casing Diameter (in): (2) 4 6

Depth to Water (DTW_1) (ft): 8.34

Total Well Depth (DTB) (ft): 20.60

Water Column: 12.26

Floating Product:

Thickness (in):

Casing Volume (gal): 2.0

3 Casing Volumes (gal): 6.0

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	ORP	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
16:20	Started Purging						
		6.0	NM			→	NO, Medium, Dark grey.

Maximum Drawdown (DTW_2) (ft) =

Pump Rate (GPM) =

____Fast Recharging Well

____Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:

Depth to Water at time of sampling (DTW_3):

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives		Analytical Parameters

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

% of Recovery = 1 - $\dfrac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)}$ x 100

% of Recovery = 1 - $\dfrac{(\quad)-(\quad)}{(\quad)-(\quad)} = \_\_\_\_$

$= \_\_\_\_\ \%$

80% Recharge = ____

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Well No: MW-4

Project Name:

Date: 3/3/05

Project Number:

Sample Time: 755 / 8:30

SECOR Rep: ~~August Welch~~ MK

Checked by:

Sample No:

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #

Purging Equipment / Method: ___ Vac Truck ___ Bailer _X_ Submersible Pump ___ Peristaltic

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ____Teflon Bailer ____Disposable Bailer ___x__Other: Peristaltic

Decontamination Method: ___Steam / High Pressure Wash _x__3 Stage (Alconox, Tap & DI rinse) Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 10 12

Casing Diameter (in): (2) 4 6

Depth to Water (DTW_1) (ft): 6.65

Total Well Depth (DTB) (ft): 20.3

Water Column: 13.65

Floating Product:

Thickness (in):

Casing Volume (gal): 2.2

3 Casing Volumes (gal): 6.6

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	ORP	Elect. Cond. (µ mhos)	Water Description (odor, turbidity, color)
1640	Started Purging						
		6.6	NM				Mild, medium, orang.

Maximum Drawdown (DTW_2) (ft) =

Pump Rate (GPM) =

____Fast Recharging Well

____Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:

Depth to Water at time of sampling (DTW_3):

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives		Analytical Parameters

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

% of Recovery = 1 - $\dfrac{(DTW_1)-(DTW_3)}{(DTW_1)-(DTW_2)}$ *y*

% of Recovery = 1 - $\dfrac{(\quad)-(\quad)}{(\quad)-(\quad)}$

80% Recharge =

SECOR
INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Well No: MW-3
Project Name:
Date: 3/3/05
Project Number:
Sample Time: 840
SECOR Rep: August Welch
Checked by:
Sample No:

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #
Purging Equipment / Method: ___ Vac Truck ___ Bailer _X_ Submersible Pump ___ Peristaltic
pH Temp/Conductivity Meter Type / ID:
Sampling Method: ____ Teflon Bailer ____ Disposable Bailer ___x__ Other: Peristaltic
Decontamination Method: ___ Steam / High Pressure Wash _x__ 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 10 12
Casing Diameter (in): (2) 4 6
Depth to Water (DTW_1) (ft): 5.02
Total Well Depth (DTB) (ft): 20.8
Water Column: 15.78
Floating Product:
Thickness (in):
Casing Volume (gal): 2.5
3 Casing Volumes (gal): 7.6

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	ORP	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
17:00	Started Purging						
		7.6	NM			7	Mild, Mild, light brown

Maximum Drawdown (DTW_2) (ft) =
Pump Rate (GPM) =
____ Fast Recharging Well
____ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:
Depth to Water at time of sampling (DTW_3):

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives		Analytical Parameters

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(\quad)-(\quad)}{(\quad)-(\quad)} = \quad\quad = \quad\quad \%$$

80% Recharge = ____

SECOR
INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Well No: MW-1
Project Name:
Date: 3/3/05
Project Number:
Sample Time: 9:05
SECOR Rep: August Welch
Checked by:
Sample No:

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #

Purging Equipment / Method: ___ Vac Truck ___ Bailer _X_ Submersible Pump ___ Peristaltic

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ____Teflon Bailer ____Disposable Bailer ___x__Other:___Peristaltic

Decontamination Method: ___Steam / High Pressure Wash _x__3 Stage (Alconox, Tap & DI rinse) Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 10 12

Casing Diameter (in): (2) 4 6

Depth to Water (DTW_1) (ft): 5.73

Total Well Depth (DTB) (ft): 21.8

Water Column: 16.07

Floating Product:

Thickness (in):

Casing Volume (gal): 2.3

3 Casing Volumes (gal): 7.7

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	ORP	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
17:15	Started Purging						
		7.7	NM			→	Yes, Medium, Grey

Maximum Drawdown (DTW_2) (ft) =

Pump Rate (GPM) =

____Fast Recharging Well

____Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:

Depth to Water at time of sampling (DTW_3):

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives		Analytical Parameters

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

% of Recovery = 1 - $\frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)}$ x 100

% of Recovery = 1 - $\frac{(\quad)-(\quad)}{(\quad)-(\quad)} = \_\_\_\_$

$= \_\_\_\_\ \%$

80% Recharge = _____

SECOR	MONITORING & SAMPLING LOG		Page 1 of 1
	Project Name:	6380 - Bellingham	Date: 3/3/05 ~~12/29/2004~~
	Project Number:	01CP.06380.04	No. of Monitoring Wells Gauge:
INTERNATIONAL INCORPORATED	SECOR Rep: August Welch	Checked by:	No. of Monitoring Wells Sampled:

MONITORING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #

Dissolved Oxygen Meter Type/ID: YSI Model 55 # _____ Calibration: _____ ft above mean sea level

Sampling Method: _____Teflon Bailer _____Disposable Bailer __ X Other: Dedicated Pump Tubing; Peristaltic Pump

Decontamination Method: _____Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) _____Other: _____

MONITORING / SAMPLING DATA

Well I.D.	Previous Quarter DTW	Previous Quarter Gas/Benz (ug/L)	Depth to Floating Product (ft)	Current DTW (ft)	Floating Product Thickness	Total Depth	Meas. Time	Casing Elevation[1]	Groundwater Elevation	Corrected Groundwater Elevation[2]	Comments
MW-1				5.73		21.8					
MW-2				8.34		20.6					
MW-3				5.02		20.8					
MW-4				6.65		20.3					

SAMPLING INFORMATION

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
3 VOAs	N	HCL & Ice	TPH-Gx / BTEX
1 L Amber	N	HCL & Ice	TPH-Dx
16 oz. Plastic	N	HNO3	Total Pb

Notes: 1 = feet from mean sea level

2 = elevation adjusted by adding (.75 x product thickness) to measured water elevation