BURLINGTON ENVIRONMENTAL

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February 17, 1994

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RCRA PERMITS SECTION

Mr. David Croxton
U.S. EPA
1200 Sixth Avenue, M/S HW-106
Seattle, WA 98101

Mr. Croxton:

Enclosed are two copies of Figure G-14 and the Appendix G Fluid Level Data of the Draft RFI Report for the Burlington Environmental Inc. Pier 91 Facility. As we discussed earlier this week, errors had been discovered with the figure and data during USEPA review.

If you have any questions please contact me at (206) 654-8153.

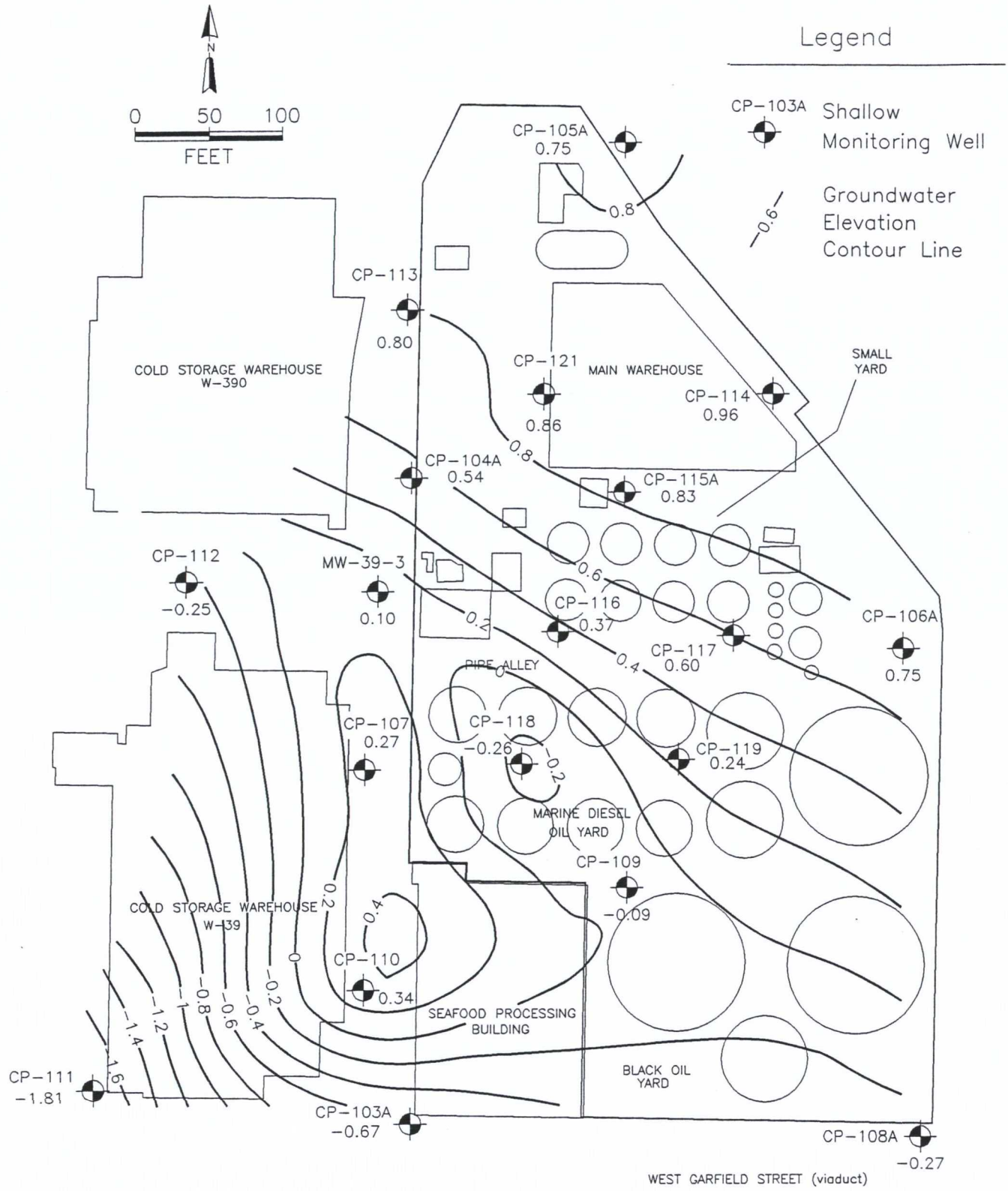
Sincerely,

John Stiller
Project Coordinator

cc: Galen Tritt - Ecology NWRO

USEPA RCRA
3012508

Burlington Environmental Inc.
Waterfront Place One • Suite 700 • 1011 Western Avenue • Seattle, WA 98104
(206) 223-0500 • FAX: (206) 654-8164



Note: All locations shown are approximate.
Elevations are in feet above the City of Seattle Datum.

BURLINGTON ENVIRONMENTAL	TITLE: Shallow Aquifer Hydraulic Head May 1993 Burlington Pier 91 Facility	DWN: drp	DES.:	PROJECT NO.: 624878
		CHKD:	APPD:	FIGURE NO.: G-14
		DATE: 10/2/93	REV.: 4	

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
02/25/92	CP-103A	5.13	10:40	5.25	.00	-.12	NA	-.12
02/25/92	CP-103B	4.76	10:40	6.89	.00	-2.13	NA	-2.13
02/25/92	CP-104A	5.29	15:00	3.68	.00	1.61	NA	1.61
02/25/92	CP-104B	4.93	15:01	4.57	.00	.36	NA	.36
02/25/92	CP-105A	5.57	08:45	3.75	.00	1.82	NA	1.82
02/25/92	CP-105B	5.84	08:46	4.25	.00	1.59	NA	1.59
02/25/92	CP-106A	5.91	15:50	4.70	.00	1.21	NA	1.21
02/25/92	CP-107	4.98	11:50	4.33	.00	.65	NA	.65
02/25/92	CP-108A	4.65	09:40	4.00	.00	.65	NA	.65
02/25/92	CP-108B	4.82	09:42	7.18	.00	-2.36	NA	-2.36
02/25/92	CP-109	6.18	16:05	6.13	.65	.05	NA	.63
02/25/92	CP-110	5.25	11:25	4.58	.00	.67	NA	.67
03/26/92	CP-103A	5.13	10:22	5.24	.00	-.11	.01	-.11
03/26/92	CP-103B	4.76	10:25	7.73	.00	-2.97	-.84	-2.97
03/26/92	CP-104A	5.29	11:10	4.74	.00	.55	-1.06	.55
03/26/92	CP-104B	4.93	11:20	5.22	.00	-.29	-.65	-.29
03/26/92	CP-105A	5.57	09:45	4.68	.00	.89	-.93	.89
03/26/92	CP-105B	5.84	09:50	5.24	.00	.60	-.99	.60
03/26/92	CP-106A	5.91	10:00	5.21	.00	.70	-.51	.70
03/26/92	CP-107	4.98	10:55	5.62	.60	-.64	-1.29	-.12
03/26/92	CP-108A	4.65	10:13	4.65	.00	.00	-.65	.00
03/26/92	CP-108B	4.82	10:10	8.29	.00	-3.47	-1.11	-3.47
03/26/92	CP-109	6.18	11:37	6.73	.62	-.55	-.60	.00
03/26/92	CP-110	5.25	10:37	5.60	.42	-.35	-1.02	.04
04/17/92	CP-103A	5.13	10:25	5.29	.00	-.16	-.05	-.16
04/17/92	CP-103B	4.76	10:30	8.06	.00	-3.30	-.33	-3.30
04/17/92	CP-104A	5.29	11:00	4.91	.00	.38	-.17	.38
04/17/92	CP-104B	4.93	11:15	5.35	.00	-.42	-.13	-.42
04/17/92	CP-105A	5.57	09:40	4.93	.00	.64	-.25	.64
04/17/92	CP-105B	5.84	09:35	5.58	.00	.26	-.34	.26
04/17/92	CP-106A	5.91	09:45	5.19	.00	.72	.02	.72
04/17/92	CP-107	4.98	10:50	5.51	.34	-.53	.11	-.23
04/17/92	CP-108A	4.65	10:00	4.73	.00	-.08	-.08	-.08
04/17/92	CP-108B	4.82	09:55	9.28	.00	-4.46	-.99	-4.46

1) Change in Water Elevation since last measurement
2) Measurements Based on City of Seattle Datum

D = Dry NA = Not Available

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
04/17/92	CP-109	6.18	11:40	6.68	.54	-.50	.05	-.01
04/17/92	CP-110	5.25	10:40	5.56	.29	-.31	.04	-.03
05/14/92	CP-103A	5.13	11:42	5.72	.00	-.59	-.43	-.59
05/14/92	CP-103B	4.76	11:40	9.02	.00	-4.26	-.96	-4.26
05/14/92	CP-104A	5.29	12:20	5.25	.00	.04	-.34	.04
05/14/92	CP-104B	4.93	12:18	5.65	.00	-.72	-.30	-.72
05/14/92	CP-105A	5.57	11:20	5.38	.00	.19	-.45	.19
05/14/92	CP-105B	5.84	11:22	5.70	.00	.14	-.12	.14
05/14/92	CP-106A	5.91	11:27	5.52	.00	.39	-.33	.39
05/14/92	CP-107	4.98	12:07	5.74	.27	-.76	-.23	-.52
05/14/92	CP-108A	4.65	11:33	5.15	.00	-.50	-.42	-.50
05/14/92	CP-108B	4.82	11:35	11.60	.00	-6.78	-2.32	-6.78
05/14/92	CP-109	6.18	12:40	7.19	.66	-1.01	-.51	-.41
05/14/92	CP-110	5.25	11:55	6.19	.60	-.94	-.63	-.36
06/30/92	CP-103A	5.13	16:10	6.11	.00	-.98	-.39	-.98
06/30/92	CP-103B	4.76	16:08	5.70	.00	-.94	3.32	-.94
06/30/92	CP-104A	5.29	16:34	6.08	.00	-.79	-.83	-.79
06/30/92	CP-104B	4.93	16:35	5.75	.00	-.82	-.10	-.82
06/30/92	CP-105A	5.57	15:36	5.92	.00	-.35	-.54	-.35
06/30/92	CP-105B	5.84	15:35	6.32	.00	-.48	-.62	-.48
06/30/92	CP-106A	5.91	15:40	5.72	.00	.19	-.20	.19
06/30/92	CP-107	4.98	16:25	6.01	.10	-1.03	-.27	-.94
06/30/92	CP-108A	4.65	16:04	5.84	.00	-1.19	-.69	-1.19
06/30/92	CP-108B	4.82	16:00	9.48	.00	-4.66	2.12	-4.66
06/30/92	CP-109	6.18	15:50	7.50	.58	-1.32	-.31	-.80
06/30/92	CP-110	5.25	16:17	6.55	.63	-1.30	-.36	-.70
07/24/92	CP-103A	5.13	00:00	6.60	.00	-1.47	-.49	-1.47
07/24/92	CP-103B	4.76	00:00	8.50	.00	-3.74	-2.80	-3.74
07/24/92	CP-104A	5.29	00:00	5.84	.00	-.55	.24	-.55
07/24/92	CP-104B	4.93	00:00	6.16	.00	-1.23	-.41	-1.23
07/24/92	CP-105A	5.57	00:00	6.04	.00	-.47	-.12	-.47
07/24/92	CP-105B	5.84	00:00	6.41	.00	-.57	-.09	-.57
07/24/92	CP-106A	5.91	00:00	5.90	.00	.01	-.18	.01

1) Change in Water Elevation since last measurement
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Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
07/24/92	CP-107	4.98	00:00	6.14	.16	-1.16	-.13	-1.02
07/24/92	CP-108A	4.65	00:00	5.86	.00	-1.21	-.02	-1.21
07/24/92	CP-108B	4.82	00:00	9.91	.00	-5.09	-.43	-5.09
07/24/92	CP-109	6.18	00:00	7.70	.70	-1.52	-.20	-.89
07/24/92	CP-110	5.25	00:00	6.67	.69	-1.42	-.12	-.76
08/10/92	CP-103A	5.13	14:50	6.74	.00	-1.61	-.14	-1.61
08/10/92	CP-103B	4.76	14:55	8.80	.00	-4.04	-.30	-4.04
08/10/92	CP-104A	5.29	15:25	6.20	.00	-.91	-.36	-.91
08/10/92	CP-104B	4.93	15:30	5.84	.00	-.91	.32	-.91
08/10/92	CP-105A	5.57	14:05	6.16	.00	-.59	-.12	-.59
08/10/92	CP-105B	5.84	14:00	6.40	.00	-.56	.01	-.56
08/10/92	CP-106A	5.91	14:20	5.92	.00	-.01	-.02	-.01
08/10/92	CP-107	4.98	15:15	6.14	.05	-1.16	.00	-1.11
08/10/92	CP-108A	4.65	14:40	6.20	.00	-1.55	-.34	-1.55
08/10/92	CP-108B	4.82	14:45	9.70	.00	-4.88	.21	-4.88
08/10/92	CP-109	6.18	14:30	7.65	.55	-1.47	.05	-.97
08/10/92	CP-110	5.25	15:00	6.61	.47	-1.36	.06	-.91
09/30/92	CP-103A	5.13	16:04	6.82	.00	-1.69	-.08	-1.69
09/30/92	CP-103B	4.76	16:03	8.46	.00	-3.70	.34	-3.70
09/30/92	CP-104A	5.29	16:30	5.96	.00	-.67	.24	-.67
09/30/92	CP-104B	4.93	16:32	6.18	.00	-1.25	-.34	-1.25
09/30/92	CP-105A	5.57	15:15	6.28	.00	-.71	-.12	-.71
09/30/92	CP-105B	5.84	15:14	6.51	.00	-.67	-.11	-.67
09/30/92	CP-106A	5.91	15:22	5.99	.00	-.08	-.07	-.08
09/30/92	CP-107	4.98	16:22	6.24	.08	-1.26	-.10	-1.19
09/30/92	CP-108A	4.65	15:56	6.22	.00	-1.57	-.02	-1.57
09/30/92	CP-108B	4.82	15:58	8.94	.00	-4.12	.76	-4.12
09/30/92	CP-109	6.18	15:42	7.78	.58	-1.60	-.13	-1.08
09/30/92	CP-110	5.25	16:15	6.64	.49	-1.39	-.03	-.92
10/30/92	CP-103A	5.13	14:33	6.72	.00	-1.59	.10	-1.59
10/30/92	CP-103B	4.76	14:32	8.16	.00	-3.40	.30	-3.40
10/30/92	CP-104A	5.29	14:49	6.13	.00	-.84	-.17	-.84
10/30/92	CP-104B	4.93	14:50	6.18	.00	-1.25	.00	-1.25

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Product Thickness
2/92 - 8/93
Pier 91 RFI
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DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
10/30/92	CP-105A	5.57	14:10	6.40	.00	-.83	-.12	-.83
10/30/92	CP-105B	5.84	14:11	6.62	.00	-.78	-.11	-.78
10/30/92	CP-106A	5.91	14:20	6.92	.00	-1.01	-.93	-1.01
10/30/92	CP-107	4.98	14:59	6.30	.07	-1.32	-.06	-1.25
10/30/92	CP-108A	4.65	14:25	6.20	.00	-1.55	.02	-1.55
10/30/92	CP-108B	4.82	14:26	8.28	.00	-3.46	.66	-3.46
10/30/92	CP-109	6.18	15:30	7.79	.54	-1.61	-.01	-1.12
10/30/92	CP-110	5.25	14:45	6.62	.55	-1.37	.02	-.84
11/03/92	W-10	6.11	13:00	7.85	.00	-1.74	NA	-1.74
11/30/92	CP-103A	5.13	16:44	6.33	.00	-1.20	.39	-1.20
11/30/92	CP-103B	4.76	16:46	8.20	.00	-3.44	-.04	-3.44
11/30/92	CP-104A	5.29	17:14	5.12	.00	.17	1.01	.17
11/30/92	CP-104B	4.93	17:12	5.66	.00	-.73	.52	-.73
11/30/92	CP-105A	5.57	16:31	5.22	.00	.35	1.18	.35
11/30/92	CP-105B	5.84	16:30	5.66	.00	.18	.96	.18
11/30/92	CP-107	4.98	17:00	5.50	.00	-.52	.80	-.52
11/30/92	CP-108A	4.65	16:36	5.38	.00	-.73	.82	-.73
11/30/92	CP-108B	4.82	16:37	9.25	.00	-4.43	-.97	-4.43
11/30/92	CP-110	5.25	16:53	6.02	.42	-.77	.60	-.37
12/21/92	CP-103A	5.13	15:20	5.92	.00	-.79	.41	-.79
12/21/92	CP-103B	4.76	15:17	7.45	.00	-2.69	.75	-2.69
12/21/92	CP-104A	5.29	15:44	4.65	.00	.64	.47	.64
12/21/92	CP-104B	4.93	15:42	5.18	.00	-.25	.48	-.25
12/21/92	CP-105A	5.57	15:03	4.62	.00	.95	.60	.95
12/21/92	CP-105B	5.84	15:00	4.98	.00	.86	.68	.86
12/21/92	CP-106A	5.91	16:15	5.23	.00	.68	1.69	.68
12/21/92	CP-107	4.98	15:34	5.11	.06	-.13	.39	-.07
12/21/92	CP-108A	4.65	15:10	4.80	.00	-.15	.58	-.15
12/21/92	CP-108B	4.82	15:12	7.19	.00	-2.37	2.06	-2.37
12/21/92	CP-109	6.18	16:32	6.63	.40	-.45	1.16	-.09
12/21/92	CP-110	5.25	15:27	5.45	.24	-.20	.57	.02
12/21/92	CP-111	5.33	15:55	7.00	.00	-1.67	NA	-1.67
12/21/92	CP-112	4.83	16:00	5.03	.00	-.20	NA	-.20

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Product Thickness
2/92 - 8/93
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DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
12/21/92	CP-113	5.12	15:49	4.20	.00	.92	NA	.92
12/21/92	CP-114	5.76	16:05	4.65	.00	1.11	NA	1.11
12/21/92	CP-115A	5.48	16:45	4.56	.00	.92	NA	.92
12/21/92	CP-116	5.62	16:55	5.21	.00	.41	NA	.41
12/21/92	CP-117	6.13	16:50	5.70	.10	.43	NA	.51
12/21/92	CP-118	5.05	16:35	5.28	.17	-.23	NA	-.07
12/21/92	CP-119	4.56	16:29	4.58	.33	-.02	NA	.27
12/21/92	CP-121	5.51	16:40	4.57	.00	.94	NA	.94
01/29/93	CP-103A	5.13	15:26	6.92	.00	-1.79	-1.00	-1.79
01/29/93	CP-103B	4.76	15:23	8.12	.00	-3.36	-.67	-3.36
01/29/93	CP-104A	5.29	15:54	4.81	.00	.48	-.16	.48
01/29/93	CP-104B	4.93	16:01	5.36	.00	-.43	-.18	-.43
01/29/93	CP-105A	5.57	14:43	4.85	.00	.72	-.23	.72
01/29/93	CP-105B	5.84	14:39	5.38	.00	.46	-.40	.46
01/29/93	CP-106A	5.91	14:51	5.25	.00	.66	-.02	.66
01/29/93	CP-107	4.98	15:45	5.35	.20	-.37	-.24	-.19
01/29/93	CP-108A	4.65	15:11	4.90	.00	-.25	-.10	-.25
01/29/93	CP-108B	4.82	15:18	9.92	.00	-5.10	-2.73	-5.10
01/29/93	CP-109	6.18	15:00	6.79	.48	-.61	-.16	-.18
01/29/93	CP-110	5.25	15:37	5.66	.31	-.41	-.21	-.11
02/24/93	CP-103A	5.13	10:25	5.13	.00	.00	1.79	.00
02/24/93	CP-103B	4.76	10:35	7.93	.00	-3.17	.19	-3.17
02/24/93	CP-104A	5.29	12:10	5.26	.00	.03	-.45	.03
02/24/93	CP-104B	4.93	12:20	5.61	.00	-.68	-.25	-.68
02/24/93	CP-105A	5.57	12:30	5.42	.00	.15	-.57	.15
02/24/93	CP-105B	5.84	12:40	5.83	.00	.01	-.45	.01
02/24/93	CP-106A	5.91	13:00	5.44	.00	.47	-.19	.47
02/24/93	CP-107	4.98	11:50	5.72	.21	-.74	-.37	-.55
02/24/93	CP-108A	4.65	09:50	5.30	.00	-.65	-.40	-.65
02/24/93	CP-108B	4.82	09:30	8.38	.00	-3.56	1.54	-3.56
02/24/93	CP-109	6.18	12:50	7.14	.54	-.96	-.35	-.47
02/24/93	CP-110	5.25	11:30	6.02	.44	-.77	-.36	-.35
03/05/93	CP-103B	4.76	10:00	8.05	.00	-3.29	-.12	-3.29

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Product Thickness
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Burlington Environmental - Proj. 624878

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03/05/93	CP-104B	4.93	10:00	5.71	.00	-.78	-.10	-.78
03/05/93	CP-105B	5.84	10:00	5.87	.00	-.03	-.04	-.03
03/05/93	CP-106B	5.64	10:00	5.87	.00	-.23	NA	-.23
03/05/93	CP-108B	4.82	10:00	8.74	.00	-3.92	-.36	-3.92
03/05/93	CP-115B	5.49	10:00	5.48	.00	.01	NA	.01
03/05/93	CP-122B	4.76	10:00	5.30	.00	-.54	NA	-.54
03/06/93	CP-103B	4.76	04:00	7.78	.00	-3.02	.27	-3.02
03/06/93	CP-104B	4.93	04:00	5.72	.00	-.79	-.01	-.79
03/06/93	CP-105B	5.84	04:00	5.77	.00	.07	.10	.07
03/06/93	CP-106B	5.64	04:00	5.71	.00	-.07	.16	-.07
03/06/93	CP-108B	4.82	04:00	7.54	.00	-2.72	1.20	-2.72
03/06/93	CP-115B	5.49	04:00	5.84	.00	-.35	-.36	-.35
03/06/93	CP-122B	4.76	04:00	5.10	.00	-.34	.20	-.34
03/07/93	CP-103B	4.76	04:00	7.81	.00	-3.05	-.03	-3.05
03/07/93	CP-104B	4.93	04:00	5.61	.00	-.68	.11	-.68
03/07/93	CP-105B	5.84	04:00	5.61	.00	.23	.16	.23
03/07/93	CP-106B	5.64	04:00	5.49	.00	.15	.22	.15
03/07/93	CP-108B	4.82	04:00	7.57	.00	-2.75	-.03	-2.75
03/07/93	CP-115B	5.49	04:00	5.83	.00	-.34	.01	-.34
03/07/93	CP-122B	4.76	04:00	4.82	.00	-.06	.28	-.06
03/08/93	CP-103B	4.76	04:00	8.59	.00	-3.83	-.78	-3.83
03/08/93	CP-104B	4.93	04:00	5.58	.00	-.65	.03	-.65
03/08/93	CP-105B	5.84	04:00	5.51	.00	.33	.10	.33
03/08/93	CP-106B	5.64	04:00	5.44	.00	.20	.05	.20
03/08/93	CP-108B	4.82	04:00	11.05	.00	-6.23	-3.48	-6.23
03/08/93	CP-115B	5.49	04:00	5.76	.00	-.27	.07	-.27
03/08/93	CP-122B	4.76	04:00	4.77	.00	-.01	.05	-.01
03/31/93	CP-103A	5.13	08:33	5.78	.00	-.65	-.65	-.65
03/31/93	CP-103B	4.76	08:25	7.83	.00	-3.07	.76	-3.07
03/31/93	CP-104A	5.29	09:37	4.86	.00	.43	.40	.43
03/31/93	CP-104B	4.93	09:40	5.25	.00	-.32	.33	-.32
03/31/93	CP-105A	5.57	08:50	4.82	.00	.75	.60	.75

1) Change in Water Elevation since last measurement

D = Dry NA = Not Available

2) Measurements Based on City of Seattle Datum

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
03/31/93	CP-105B	5.84	08:53	5.24	.00	.60	.27	.60
03/31/93	CP-106A	5.91	09:58	5.23	.00	.68	.21	.68
03/31/93	CP-106B	5.64	11:19	5.77	.00	-.13	-.33	-.13
03/31/93	CP-107	4.98	09:28	5.25	.06	-.27	.47	-.21
03/31/93	CP-108A	4.65	08:00	4.95	.00	-.30	.35	-.30
03/31/93	CP-108B	4.82	08:04	8.20	.00	-3.38	2.85	-3.38
03/31/93	CP-109	6.18	10:10	6.75	.48	-.57	.39	-.14
03/31/93	CP-110	5.25	09:12	5.59	.22	-.34	.43	-.13
03/31/93	CP-111	5.33	10:50	7.20	.00	-1.87	-.20	-1.87
03/31/93	CP-112	4.83	10:58	5.10	.00	-.27	-.07	-.27
03/31/93	CP-113	5.12	11:03	4.44	.00	.68	-.24	.68
03/31/93	CP-114	5.76	11:10	4.91	.00	.85	-.26	.85
03/31/93	CP-115A	5.48	11:32	4.77	.00	.71	-.21	.71
03/31/93	CP-115B	5.49	11:29	6.00	.00	-.51	-.24	-.51
03/31/93	CP-116	5.62	11:37	5.33	.00	.29	-.12	.29
03/31/93	CP-117	6.13	11:55	5.66	.15	.47	.04	.59
03/31/93	CP-118	5.05	12:45	5.51	.32	-.46	-.23	-.17
03/31/93	CP-119	4.56	12:55	4.49	.27	.07	.09	.31
03/31/93	CP-121	5.51	12:10	4.76	.00	.75	-.19	.75
03/31/93	CP-122B	4.76	12:30	5.30	.00	-.54	-.53	-.54
03/31/93	W-10	6.11	08:15	7.54	.00	-1.43	.31	-1.43
04/16/93	CP-103A	5.13	09:00	5.72	.00	-.59	.06	-.59
04/16/93	CP-103B	4.76	09:05	8.08	.00	-3.32	-.25	-3.32
04/16/93	CP-104A	5.29	09:20	4.56	.00	.73	.30	.73
04/16/93	CP-104B	4.93	09:25	5.13	.00	-.20	.12	-.20
04/16/93	CP-105A	5.57	09:35	4.51	.00	1.06	.31	1.06
04/16/93	CP-105B	5.84	09:37	5.00	.00	.84	.24	.84
04/16/93	CP-106A	5.91	09:45	5.15	.00	.76	.08	.76
04/16/93	CP-106B	5.64	09:50	14.42	.00	-8.78	-8.65	-8.78
04/16/93	CP-107	4.98	12:00	5.10	.09	-.12	.15	-.04
04/16/93	CP-108A	4.65	08:50	4.69	.00	-.04	.26	-.04
04/16/93	CP-108B	4.82	08:55	9.34	.00	-4.52	-1.14	-4.52
04/16/93	CP-109	6.18	11:30	6.46	.34	-.28	.29	.02
04/16/93	CP-110	5.25	11:50	5.45	.24	-.20	.14	.02
04/16/93	CP-111	5.33	09:10	7.10	.00	-1.77	.10	-1.77

1) Change in Water Elevation since last measurement

D = Dry NA = Not Available

2) Measurements Based on City of Seattle Datum

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
04/16/93	CP-112	4.83	09:15	5.00	.00	-.17	.10	-.17
04/16/93	CP-113	5.12	09:30	4.09	.00	1.03	.35	1.03
04/16/93	CP-114	5.76	09:40	4.53	.00	1.23	.38	1.23
04/16/93	CP-115A	5.48	10:00	4.43	.00	1.05	.34	1.05
04/16/93	CP-115B	5.49	10:05	6.08	.00	-.59	-.08	-.59
04/16/93	CP-116	5.62	10:45	5.10	.00	.52	.23	.52
04/16/93	CP-117	6.13	10:55	5.45	.14	.68	.21	.79
04/16/93	CP-118	5.05	11:10	5.23	.27	-.18	.28	.05
04/16/93	CP-119	4.56	11:20	5.20	.10	-.64	-.71	-.54
04/16/93	CP-121	5.51	10:10	4.41	.00	1.10	.35	1.10
04/16/93	CP-122B	4.76	10:35	17.10	.00	-12.34	-11.80	-12.34
04/16/93	MW-39-3	5.14	12:10	5.66	.97	-.52	NA	.34
04/16/93	W-10	6.11	08:15	7.46	.00	-1.35	.08	-1.35
05/20/93	CP-103A	5.13	08:37	5.80	.00	-.67	-.08	-.67
05/20/93	CP-103B	4.76	08:39	8.08	.00	-3.32	.00	-3.32
05/20/93	CP-104A	5.29	08:55	4.75	.00	.54	-.19	.54
05/20/93	CP-104B	4.93	08:57	5.20	.00	-.27	-.07	-.27
05/20/93	CP-105A	5.57	09:05	4.82	.00	.75	-.31	.75
05/20/93	CP-105B	5.84	09:07	5.22	.00	.62	-.22	.62
05/20/93	CP-106A	5.91	09:27	5.16	.00	.75	-.01	.75
05/20/93	CP-106B	5.64	09:30	5.36	.00	.28	9.06	.28
05/20/93	CP-107	4.98	11:30	4.80	.10	.18	.30	.26
05/20/93	CP-108A	4.65	08:30	4.92	.00	-.27	-.23	-.27
05/20/93	CP-108B	4.82	08:33	9.32	.00	-4.50	.02	-4.50
05/20/93	CP-109	6.18	11:00	6.90	.70	-.72	-.44	-.09
05/20/93	CP-110	5.25	11:20	5.23	.34	.02	.22	.34
05/20/93	CP-111	5.33	08:44	7.14	.00	-1.81	-.04	-1.81
05/20/93	CP-112	4.83	08:50	5.08	.00	-.25	-.08	-.25
05/20/93	CP-113	5.12	09:00	4.32	.00	.80	-.23	.80
05/20/93	CP-114	5.76	09:15	4.80	.00	.96	-.27	.96
05/20/93	CP-115A	5.48	09:35	4.66	.00	.82	-.23	.82
05/20/93	CP-115B	5.49	09:45	5.65	.00	-.16	.43	-.16
05/20/93	CP-116	5.62	10:05	5.36	.12	.26	-.26	.37
05/20/93	CP-117	6.13	10:15	6.00	.50	.13	-.55	.53
05/20/93	CP-118	5.05	10:42	5.80	.55	-.75	-.57	-.26

1) Change in Water Elevation since last measurement
2) Measurements Based on City of Seattle Datum

D = Dry NA = Not Available

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
05/20/93	CP-119	4.56	10:50	5.00	.75	-.44	.20	.24
05/20/93	CP-121	5.51	09:40	4.65	.00	.86	-.24	.86
05/20/93	CP-122B	4.76	11:50	5.18	.00	-.42	11.92	-.42
05/20/93	MW-39-3	5.14	11:45	5.75	.80	-.61	-.09	.10
05/20/93	W-10	6.11	08:00	7.54	.00	-1.43	-.08	-1.43
06/10/93	CP-103A	5.13	00:00	5.78	.00	-.65	.02	-.65
06/10/93	CP-103B	4.76	00:00	7.80	.00	-3.04	.28	-3.04
06/10/93	CP-104A	5.29	00:00	4.58	.00	.71	.17	.71
06/10/93	CP-104B	4.93	00:00	5.19	.00	-.26	.01	-.26
06/10/93	CP-105A	5.57	00:00	4.60	.00	.97	.22	.97
06/10/93	CP-106A	5.91	00:00	5.07	.00	.84	.09	.84
06/10/93	CP-106B	5.64	00:00	5.85	.00	-.21	-.49	-.21
06/10/93	CP-107	4.98	00:00	4.95	.00	.03	-.15	.03
06/10/93	CP-108A	4.65	00:00	4.69	.00	-.04	.23	-.04
06/10/93	CP-108B	4.82	00:00	8.45	.00	-3.63	.87	-3.63
06/10/93	CP-109	6.18	00:00	6.65	.64	-.47	.25	.10
06/10/93	CP-110	5.25	00:00	5.37	.22	-.12	-.14	.08
06/10/93	CP-111	5.33	00:00	6.92	.00	-1.59	.22	-1.59
06/10/93	CP-112	4.83	00:00	4.95	.00	-.12	.13	-.12
06/10/93	CP-113	5.12	00:00	4.09	.00	1.03	.23	1.03
06/10/93	CP-114	5.76	00:00	4.60	.00	1.16	.20	1.16
06/10/93	CP-115A	5.48	00:00	4.48	.00	1.00	.18	1.00
06/10/93	CP-115B	5.49	00:00	5.72	.00	-.23	-.07	-.23
06/10/93	CP-116	5.62	00:00	5.11	.00	.51	.25	.51
06/10/93	CP-117	6.13	00:00	5.45	.16	.68	.55	.81
06/10/93	CP-118	5.05	00:00	5.59	.68	-.54	.21	.06
06/10/93	CP-119	4.56	00:00	4.55	.55	.01	.45	.50
06/10/93	CP-121	5.51	00:00	4.46	.00	1.05	.19	1.05
06/10/93	CP-122B	4.76	00:00	5.19	.00	-.43	-.01	-.43
06/10/93	MW-39-3	5.14	12:00	6.08	1.44	-.94	-.33	.34
06/10/93	W-10	6.11	08:00	7.42	.00	-1.31	.12	-1.31
07/21/93	CP-103A	5.13	08:43	6.19	.00	-1.06	-.41	-1.06
07/21/93	CP-103B	4.76	08:41	8.02	.00	-3.26	-.22	-3.26
07/21/93	CP-104A	5.29	09:05	5.19	.00	.10	-.61	.10

1) Change in Water Elevation since last measurement

D = Dry NA = Not Available

2) Measurements Based on City of Seattle Datum

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
07/21/93	CP-104B	4.93	09:07	5.56	.00	-.63	-.37	-.63
07/21/93	CP-105A	5.57	09:28	5.10	.00	.47	-.50	.47
07/21/93	CP-105B	5.84	09:32	5.78	.00	.06	-.56	.06
07/21/93	CP-106A	5.91	09:55	5.41	.00	.50	-.34	.50
07/21/93	CP-106B	5.64	09:58	6.03	.00	-.39	-.18	-.39
07/21/93	CP-107	4.98	11:20	6.51	.09	-1.53	-1.56	-1.45
07/21/93	CP-108A	4.65	08:30	5.41	.00	-.76	-.72	-.76
07/21/93	CP-108B	4.82	08:35	8.12	.00	-3.30	.33	-3.30
07/21/93	CP-109	6.18	10:41	6.92	.35	-.74	-.27	-.42
07/21/93	CP-110	5.25	11:10	6.56	.29	-1.31	-1.19	-1.03
07/21/93	CP-111	5.33	08:52	7.24	.00	-1.91	-.32	-1.91
07/21/93	CP-112	4.83	09:00	5.32	.00	-.49	-.37	-.49
07/21/93	CP-113	5.12	09:15	4.80	.00	.32	-.71	.32
07/21/93	CP-114	5.76	10:10	5.33	.00	.43	-.73	.43
07/21/93	CP-115A	5.48	09:50	5.14	.00	.34	-.66	.34
07/21/93	CP-115B	5.49	09:53	6.00	.00	-.51	-.28	-.51
07/21/93	CP-116	5.62	12:03	5.81	.10	-.19	-.70	-.09
07/21/93	CP-117	6.13	11:50	6.35	.52	-.22	-.90	.20
07/21/93	CP-118	5.05	10:50	6.13	.24	-1.08	-.54	-.86
07/21/93	CP-119	4.56	10:55	5.19	.66	-.63	-.64	-.03
07/21/93	CP-121	5.51	09:45	5.13	.00	.38	-.67	.38
07/21/93	CP-122B	4.76	10:20	5.17	.00	-.41	.02	-.41
07/21/93	MW-39-3	5.14	11:30	6.06	.76	-.92	.02	-.24
07/21/93	W-10	6.11	07:55	7.89	.00	-1.78	-.47	-1.78
08/18/93	CP-103A	5.13	11:31	6.43	.00	-1.30	-.24	-1.30
08/18/93	CP-103B	4.76	11:27	8.89	.00	-4.13	-.87	-4.13
08/18/93	CP-104A	5.29	14:03	5.52	.00	-.23	-.33	-.23
08/18/93	CP-104B	4.93	14:10	5.86	.00	-.93	-.30	-.93
08/18/93	CP-105A	5.57	08:16	5.51	.00	.06	-.41	.06
08/18/93	CP-105B	5.84	08:14	6.11	.00	-.27	-.33	-.27
08/18/93	CP-106A	5.91	12:09	5.62	.00	.29	-.21	.29
08/18/93	CP-106B	5.64	11:50	5.91	.00	-.27	.12	-.27
08/18/93	CP-107	4.98	13:38	5.87	.12	-.89	.64	-.78
08/18/93	CP-108B	4.82	11:36	5.73	.00	-.91	2.39	-.91
08/18/93	CP-109	6.18	15:29	7.42	.62	-1.24	-.50	-.68

1) Change in Water Elevation since last measurement

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2) Measurements Based on City of Seattle Datum

Fluid Level Elevations and
Product Thickness
2/92 - 8/93
Pier 91 RFI
Burlington Environmental - Proj. 624878

DATE	SITE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	FLOATING PRODUCT THICKNESS feet	WATER ELEV. feet(2)	△ WATER ELEV.(1) feet	EQUIV. FRESH WATER HEAD feet(2)
08/18/93	CP-110	5.25	13:48	7.05	.55	-1.80	-.49	-1.27
08/18/93	CP-111	5.33	11:23	7.41	.00	-2.08	-.17	-2.08
08/18/93	CP-112	4.83	13:24	5.55	.00	-.72	-.23	-.72
08/18/93	CP-113	5.12	12:42	5.18	.00	-.06	-.38	-.06
08/18/93	CP-114	5.76	08:53	5.72	.00	.04	-.39	.04
08/18/93	CP-115A	5.48	13:12	5.52	.00	-.04	-.38	-.04
08/18/93	CP-115B	5.49	12:03	6.16	.00	-.67	-.16	-.67
08/18/93	CP-116	5.62	14:28	6.14	.13	-.52	-.33	-.39
08/18/93	CP-117	6.13	14:40	6.64	.60	-.51	-.29	-.01
08/18/93	CP-118	5.05	15:06	6.36	.62	-1.31	-.23	-.76
08/18/93	CP-119	4.56	15:18	5.45	.71	-.89	-.26	-.24
08/18/93	CP-121	5.51	13:20	5.51	.00	.00	-.38	.00
08/18/93	CP-122B	4.76	11:03	5.12	.00	-.36	.05	-.36
08/18/93	MW-39-3	5.14	13:29	6.51	.95	-1.37	-.45	-.52
08/18/93	W-10	6.11	07:55	8.00	.00	-1.89	-.11	-1.89

1) Change in Water Elevation since last measurement

D = Dry NA = Not Available

2) Measurements Based on City of Seattle Datum