TABLE 2: VERTICAL GRADIENTS IN CO-LOCATED MONITORING WELLS

PORTLAND BANGOR WASTE OIL SITE
CASCO, MAINE

Well ID	Screen Int. (ft, bgs)	Geologic Formation	Water Elevation (ft, NVGD)	Bottom of Screen (ft, NVGD)	V. Gradient (ft/ft)
MW-13Z	81 - 91	Deep Brx	401.64	316.5	0.005
MW-13Y	46 - 56	Mid Brx	401.80	351.5	
MW-13Y	46 - 56	Mid Brx	401.80	351.5	-0.082
MW-13A	24 - 34	Shal Brx	400.07	372.6	
MW-16A	55 - 65	Mid Brx	330.94	264.0	-0.072
MW-16B	24 - 34	Shal Brx	328.63	296.0	
MW-17A	77 - 87	Deep Brx	352.41	282.9	0.103
MW-17B	23 - 33	Shal Brx	357.95	336.9	
MW-18A	70 - 80	Deep Brx	351.35	279.0	-0.152
MW-18B	21 - 31	Shal Brx	343.92	328.0	
HL-1A	18 - 28	Shal Brx	319.38	295.24	-0.027
HL-1B	5 - 10	Ovb	318.90	313.24	

Well ID	Screen Int. (ft, bgs)	Geologic Formation	Water Elevation (ft, BTOC)	Bottom of Screen Elevation (ft, BTOC)	V. Gradient (ft/ft)
MW-19A	58 - 68	Deep Brx	17.40	71	-0.065
MW-19B	21 - 31	Shal Brx	19.82	34	
MW-20A	52 - 72	Deep Brx	16.01	75	0.021
MW-20B	20 - 25	Shal Brx	15.00	28	

Notes:
1. Water level measurements were collected on 28-29 August 2012.
2. Elevation referenced to the National Geodetic Vertical Datum.
3. BTOC = Below top of casing.
4. Positive vertical gradient indicates a upward flow direction.
5. Negative vertical gradient indicates a downward flow direction.
6. TOC survey data not available for MW-19A/B and MW-20A/B.
7. Gradients calculated assume hydraulic connectivity between shallow and deep bedrock fractures in co-located wells.