

Table 6-2 Summary of Pressuremeter Testing
EAST CONTRACT
Brightwater Conveyance System

Boring No.	Depth (ft)	Elevation (ft) ^a	Soil Type	Test No.	Limit Pressure (ksf)	Pressure at 10% Strain (ksf)	Unload-Reload Shear Modulus (ksf)	Initial Shear Modulus (ksf)	Test Quality ^c	Comments
BRIGHTWATER TUNNEL 1										
E-334	173.5	16.0	clay	BW22	115.2	100.8	720	>288	4	
E-334	174.0	15.5	clay	BW21	144.0	122.4	792	>331	4	
E-339	186.1	105.4	clay	BW1	>72.0	NA	1,440	360	1	hole too large
E-339	264.7	26.8	clay	BW4	158.4	122.4	1,584	>144	4	hole too small
E-339	266.2	25.3	clay	BW3	158.4	122.4	2,160	936	4	hole too small
NORTH CREEK CONNECTOR										
P41-02	62.5	66.9	sand	CDM7Z	15.8	8.4	720	20	NA	
P41-02	71.5	57.9	sand	CDM8Z	31.7	17.3 ^b	1,296	65	NA	
P41-02	92.5	36.9	clay	CDM9Z	43.2	28.8	1,296	86	NA	

Notes:

- a) Vertical datum = Metro. All locations surveyed to +/- 0.1 foot accuracy with the exception of some off alignment borings (noted as scaled on the log) which were estimated.
- b) The strain in the test did not reach 10%, an estimate of the pressure has been made.
- c) Qualitative estimate of the quality of the test based on a scale of 1 to 5 with 5 being the best.

Table 6-2 Summary of Pressuremeter Testing
CENTRAL CONTRACT
Brightwater Conveyance System

Boring No.	Depth (ft)	Elevation (ft) ^a	Soil Type	Test No.	Limit Pressure (ksf)	Pressure at 10% Strain (ksf)	Unload-Reload Shear Modulus (ksf)	Initial Shear Modulus (ksf)	Test Quality ^c	Comments
BRIGHTWATER TUNNEL 2										
E-223	143.0	215.7	sand	BW7	172.8	100.8 ^b	5,760	2,016	3	
E-223	178.5	180.2	sand	BW10	201.6	129.6	2,880	864	5	
E-223	180.0	178.7	sand	BW9	244.8	172.8	5,040	864	5	
E-223	288.5	70.2	clay	BW12	172.8	115.2 ^b	1,728	677	3	
E-223	290.0	68.7	clay	BW11	115.2	79.2	1,080	432	4	
BRIGHTWATER TUNNEL 3										
E-214	284.0	134.0	clay	BW29	273.6	172.8 ^b	4,752	2,160	4	
E-214	286.0	132.0	clay	BW28	273.6	144.0 ^b	4,176	1,728	4	
E-214	318.5	99.5	clay	BW31	187.2	129.6	3,024	>576	4	
E-214	320.0	98.0	clay	BW30	230.4	172.8 ^b	5,040	922	4	
E-310	210.0	143.2	clay	BW18	288.0	158.4	5,040	2,016	3	membrane failed
E-313	205.0	213.3	gravel	BW23	158.4	136.8	3,888	>576	4	
E-314	170.0	122.5	silt	BW8	NA	NA	NA	NA	NA	hole collapsed
E-416	342.5	93.1	silt	BW44	259.2	172.8	6,336	1,440	4	
E-416	344.0	91.6	silt	BW43	259.2	172.8	4,752	864	5	
E-416	388.0	47.6	clay	BW46	244.8	>144.0 ^b	6,192	1,296	2	hole too large
E-416	389.0	46.6	clay	BW45	216.0	172.8 ^b	4,032	864	4	
E-506	111.0	263.3	silt	BWTR1	>144.0	NA	4,608	864	NA	
E-506	125.0	249.3	silt	BWTR2	144.0	108.0	4,032	576	NA	
NORTH KENMORE PORTAL SITE										
P44-02	37.5	141.6	silt	CDM2Z	64.8	50.4	2,016.0	100.8	NA	
P44-02	115.0	64.1	sand	CDM3Z	115.2	NA	4,320.0	432.0	NA	
P44-02	123.5	55.6	sand	CDM4Z	122.4	NA	3,168.0	864.0	NA	
BALLINGER WAY PORTAL SITE										
P5-02	62.5	343.3	silt	BWS4	86.4	NA	864.0	216.0	NA	
P5-02	123.5	282.3	silt	BWS3	115.2	NA	1,728.0	288.0	NA	
P5-02	159.5	246.3	sand	BWS5	>144.0	NA	11,520.0	2,736.0	NA	
P5-02	184.0	221.8	silt	BWS6	>288.0	NA	25,920.0	2,736.0	NA	
P5-02	203.0	202.8	clay	BWS8	158.4	122.4	1,728.0	316.8	NA	

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P5-02	205.0	200.8	clay	BWS7	158.4	122.4	1,872.0	475.2	NA	

Notes:

- a) Vertical datum = Metro. All locations surveyed to +/- 0.1 foot accuracy with the exception of some off alignment borings (noted as scaled on the log) which were estimated.
- b) The strain in the test did not reach 10%, an estimate of the pressure has been made.
- c) Qualitative estimate of the quality of the test based on a scale of 1 to 5 with 5 being the best.

Table 6-2 Summary of Pressuremeter Testing
WEST CONTRACT
Brightwater Conveyance System

Boring No.	Depth (ft)	Elevation (ft) ^a	Soil Type	Test No.	Limit Pressure (ksf)	Pressure at 10% Strain (ksf)	Unload-Reload Shear Modulus (ksf)	Initial Shear Modulus (ksf)	Test Quality ^c	Comments
BRIGHTWATER TUNNEL 4										
E-207	304.5	204.0	sand	BW6	158.4	122.4 ^b	4,752	778	3	hole too large
E-207	306.0	202.5	sand	BW5	NA	NA	1,440	317	1	hole washed out
E-210	207.0	202.5	clay	BW2	129.6	109.4	1,584	>432	4	hole too small
E-211	178.0	235.4	sand	BW14	475.2	>288	28,800	2,160	4	
E-211	180.0	233.4	sand	BW13	475.2	>288	21,600	2,448	4	
E-211	229.5	183.9	clay	BW16	216.0	144.0	2,592	1,008	5	
E-211	231.0	182.4	clay	BW15	230.4	144.0	2,448	>720	5	
E-211	280.0	133.4	clay	BW17	NA	NA	NA	NA	NA	hole washed out
E-403	239.5	138.6	sand	BW38	244.8	172.8	4,752	2,016	5	
E-403	242.0	136.1	sand	BW37	288.0	187.2	4,032	2,160	5	
E-406	343.5	169.9	clay	BW25	NA	NA	NA	NA	NA	hole too large
E-406	345.0	168.4	clay	BW24	158.4	129.6	3,168	605	5	
E-406	413.0	100.4	silt	BW27	446.4	>216.0 ^b	5,904	1,872	4	
E-406	415.0	98.4	silt	BW26	360.0	>288.0 ^b	7,200	4,752	4	
E-408	419.5	157.2	sand	BW42	288.0	201.6	5,760	1,584	5	
E-408	421.0	155.7	sand	BW41	302.4	172.8	6,336	2,448	5	
E-412	172.5	228.2	silt	BW34	230.4	129.6 ^b	5,760	864	5	
E-412	173.5	227.2	silt	BW33	NA	NA	NA	NA	NA	hole too large
E-412	175.0	225.7	silt	BW32	244.8	172.8 ^b	5,184	720	4	
E-412	253.5	147.2	silt	BW36	345.6	216.0	5,184	3,456	5	
E-412	255.0	145.7	silt	BW35	230.4	216.0 ^b	6,480	360	5	
E-414	196.5	243.2	silt	BW40	302.4	>216.0 ^b	8,640	3,024	4	
E-414	198.0	241.7	silt	BW39	360.0	>216.0 ^b	7,632	2,304	5	

Notes:

- a) Vertical datum = Metro. All locations surveyed to +/- 0.1 foot accuracy with the exception of some off alignment borings (noted as scaled on the log) which were estimated.
- b) The strain in the test did not reach 10%, an estimate of the pressure has been made.
- c) Qualitative estimate of the quality of the test based on a scale of 1 to 5 with 5 being the best.