

Table 7-16 Summary of Consolidation Tests
EAST CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Unit	γ_{dry} (pcf)	Water Content (%)	Initial Void Ratio	Liquid Limit (LL)	Liquid Limit Index (LI)	CR ^b	RR ^c	Range of σ_{mpp} (ksf)	σ_{vo} (ksf)	OCR	Test Type
BRIGHTWATER TUNNEL 1														
E-347	185.0	25.9	Qpogl	103.3	22.8	0.7	54	(0.0)	0.20	0.05	62	12.0	5.2	CRS
E-350	149.3	74.1	Qpogl	100.4	22.8	0.7			0.23	0.05	85	9.0	9.4	CRS
E-350	200.0	23.4	Qpogl	99.4	23.5	0.7			0.19	0.06	50	12.5	4.0	CRS
E-351	158.5	63.4	Qpogl	91.0	32.0	0.9	57	0.2	0.24	0.07	83	10.2	8.1	CRS
E-517	10.5	116.5	Qw	36.4	123.8	2.5			0.18	0.02	0.2	0.2	1.0	CSL
E-517	20.7	106.3	Qw	14.6	349.6	7.6	291	1.8	0.29	0.03	0.9 - 1.0	0.8	1.3	CSL
E-517	30.5	96.5	Qw	17.9	311.3	6.2			0.26	0.05	0.9 - 1.0	1.0	1.0	CSL

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) $CR = C_c / (1 + e)$
- c) $RR = C_r / (1 + e)$
- d) For all Geologic Unit descriptions, see Figure 3-1.

Table 7-16 Summary of Consolidation Tests
CENTRAL CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Unit	γ_{dry} (pcf)	Water Content (%)	Initial Void Ratio	Liquid Limit (LL)	Liquidity Index (LI)	CR ^b	RR ^c	Range of σ_{mpp} (ksf)	σ_{vo} (ksf)	OCR	Test Type
BRIGHTWATER TUNNEL 3														
E-214	166.0	252.0	Qpogl	124.2	13.3	0.4	32	(0.7)	0.15	0.02	143	16.6	8.6	CRS
E-309	463.5	125.6	Qpogl	108.0	17.5	0.6	0		0.13	0.02	109	43.4	2.5	CRS
E-310	204.0	149.2	Qpogl	112.5	18.1	0.5	31	(0.4)	0.11	0.02	107	15.9	6.7	CRS
E-416	278.0	157.6	Qpogd	83.0	36.2	1.1	42	0.8	0.14		ND	19.0	ND	CRS
NORTH KENMORE PORTAL SITE														
P44-01	9.0	177.2	Qvrl	101.6	25.0	0.7	45	0.0	0.14	0.03	48	1.1	44.0	CRS
SWAMP CREEK CONNECTOR														
M-16	47.5	110.3	Qpogl	100.4	25.0	0.7	52	(0.1)	0.21	0.03	90	3.3	27.0	CRS
M-17	45.0	113.4	Qpogl	98.3	25.0	0.7	46	(0.0)	0.17	0.03	45	2.8	16.1	CRS

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) $CR = C_c / (1+e)$
- c) $RR = C_r / (1+e)$
- d) For all Geologic Unit descriptions, see Figure 3-1.

Table 7-16 Summary of Consolidation Tests
WEST CONTRACT
 Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Unit	γ_{dry} (pcf)	Water Content (%)	Initial Void Ratio	Liquid Limit (LL)	Liquidit y Index (LI)	CR ^b	RR ^c	Range of σ_{mpp} (ksf)	σ_{vo} (ksf)	OCR	Test Type
BRIGHTWATER TUNNEL 4														
E-205	325.0	181.1	Qpfnl	115.7	17.1	0.5	36	(0.1)	0.20	0.03	135	34.0	4.0	CRS
E-205	329.0	177.1	Qpfnl	111.6	16.7	0.5			0.22	0.03	115	35.0	3.3	CRS
E-205	409.0	97.1	Qpfnl	112.7	17.7	0.5	37	(0.6)	0.17	0.03	104	40.0	2.6	CRS
E-415	251.0	176.7	Qpogl	93.1	27.7	0.8	63	0.0	0.27	0.06	73	21.3	3.4	CRS

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) $CR = C_c / (1+e)$
- c) $RR = C_r / (1+e)$
- d) For all Geologic Unit descriptions, see Figure 3-1.