

Table 7-13 Summary of Unconsolidated Undrained Triaxial Tests
EAST CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Soil Unit	Water Content (%)	Liquid Limit (LL)	Plasticity Index (PI)	Cell Pressure (ksf)	1/2($\sigma_1 - \sigma_3$) ^b (ksf)	ϵ_f (%)	E_i ^c (ksf)	E_{50} ^d (ksf)
BRIGHTWATER TUNNEL 1											
E-517	11.0	116.0	Qw	118.3			1	0.4	6.3	33	23
E-517	30.8	96.2	Qw	341.0	468	185	2	0.9	9.4	59	24
E-517	41.0	86.0	Qw	189.4	212	81	4	0.7	9.8	55	22

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) Deviator stress taken at 10% strain or at peak stress if it occurs at less than 10% strain.
- c) Initial secant modulus E_i taken at 0.1% strain.
- d) Young's secant modulus E_{50} taken at 1/2 deviator stress failure.
- e) For all Geologic Unit descriptions, see Figure 3-1.

Table 7-13 Summary of Unconsolidated Undrained Triaxial Tests
CENTRAL CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Soil Unit	Water Content (%)	Liquid Limit (LL)	Plasticity Index (PI)	Cell Pressure (ksf)	1/2($\sigma_1 - \sigma_3$) ^b (ksf)	ϵ_f (%)	E_i ^c (ksf)	E_{50} ^d (ksf)
BALLINGER WAY PORTAL SITE											
P5-04	102.0	304.0	Qpogl	34.8	38	14	16	12.1	15.0	989	861
P5-04	127.0	279.0	Qpogl	29.4			19	20.6	5.3	2,040	2,025
P5-04	187.0	219.0	Qpogl	22.3	59	37	28	19.6	4.1	1,867	1,990

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) Deviator stress taken at 10% strain or at peak stress if it occurs at less than 10% strain.
- c) Initial secant modulus E_i taken at 0.1% strain.
- d) Young's secant modulus E_{50} taken at 1/2 deviator stress failure.
- e) For all Geologic Unit descriptions, see Figure 3-1.

Table 7-13 Summary of Unconsolidated Undrained Triaxial Tests
WEST CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Geologic Soil Unit	Water Content (%)	Liquid Limit (LL)	Plasticity Index (PI)	Cell Pressure (ksf)	1/2($\sigma_1 - \sigma_3$) ^b (ksf)	ϵ_f (%)	E_i ^c (ksf)	E_{50} ^d (ksf)
POINT WELLS PORTAL SITE AND MARINE OUTFALL CONNECTOR											
P19-08	42.5	74.8	Qpfnl	18.7	44	17	4	8.32	9.4	250	244

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) Deviator stress taken at 10% strain or at peak stress if it occurs at less than 10% strain.
- c) Initial secant modulus E_i taken at 0.1% strain.
- d) Young's secant modulus E_{50} taken at 1/2 deviator stress failure.
- e) For all Geologic Unit descriptions, see Figure 3-1.