Location (address):		File #:
Auger hole #:	AH location:	
AH depth: cm	AH diameter (at bottom of hole): cm	Date:
Height of air hole: 20 cm	Permeameter inside diameter:	Tested by:

Constant Head Borehole Permeameter Test Results

Time of day	Total elapsed time *min*	Interim time *min*	Water level reading *Mm*	Drop in level *mm*	Rate of fall *mm/min*	Remarks or Observations
	0					Start of test
						Soil texture:
						Structure:
Stable rate of fall in mm / minute =					27	

For small (5.25 cm) permeameter: Flow rate (Q) = (Rate of fall) x 2.17 = ... mL / min

For medium (7.62 cm) permeameter: Flow rate (Q) = (Rate of fall) x 4.56 = ... mL / min

For large (10.23 cm) permeameter: Flow rate (Q) = (Rate of fall) x 8.22 = ... mL / min

Calculations Reference: Mooers, J.D., and D.H. Waller, 1993.

Soil factor (F) as a function of auger hole diameter and soil type:

AH diameter	7 cm	8 cm	9 cm	10 cm	11 cm	12 cm	18 cm	20 cm	22 cm
Gravelly sand and coarse sand	8.9	8.1	7.5	7.0	6.6	6.2	4.5	4.2	3.9
Fine-medium sand, loamy sand, sandy loam, structured soils	7.2	6.6	6.1	5.7	5.3	5.0	3.7	3.4	3.2
Massive clays and silts	4.4	4.1	3.8	3.6	3.4	3.2	2.5	2.3	2.1

Kfs = Q x F = x = mm/d