

Location _____

Site _____

Date _____

Time _____

Pit number _____

L = Depth of water in pit (i.e. depth to base of pit below water table)

[Note: make at least 10 measurements of L]
(cm): _____

W = Width (cm): _____

B = Breadth (cm): _____

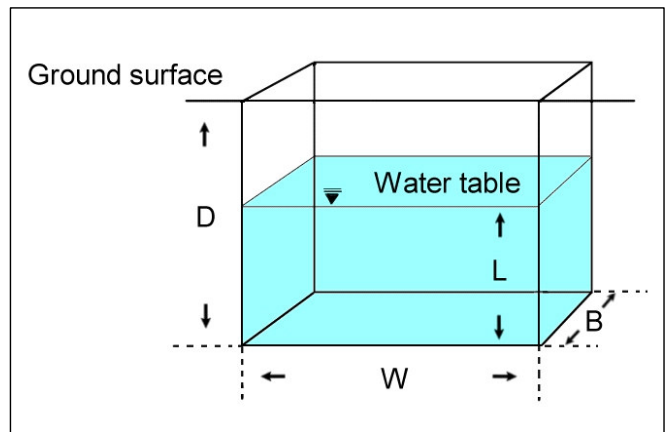
D = Depth of pit from surface (cm): _____

R = Raw water table depth on ruler (Note: after inserting ruler in base of pit, but before bailing) (cm): _____

Time

(seconds)	Bail no. 1	Bail no. 2	Bail no. 3
Pit refill rate			
(slow) (fast)			
0	0		
20	5		
40	10		
60	15		
80	20		
100	25		
120	30		
140	35		
160	40		
180	45		
200	50		
220	55		
240	60		
260	65		
280	70		
300	75		
320	80		
340	85		
360	90		
380	95		
400	100		
420	105		
440	110		
460	115		
480	120		
500	125		
520	130		
540	135		
560	140		
580	145		
600	150		
620	155		
640	160		
660	165		
680	170		
700	175		
720	180		

Below: example of pit geometry



Abbreviated instructions:

1. Dig pit as per instructions, ensuring acceptable ratio of L:W
2. Allow water level to equilibrate
3. Measure, L, D, B, W
4. Push ruler several centimetres into base of pit and record R (raw water level on ruler)
5. Bail pit rapidly until 50 - 90% of water is removed
6. Cease bailing and start stopwatch immediately
7. Record refill rate (i.e. water level on ruler vs time) for a minimum of 180 seconds or until water level recovers to 80% of L
(Note: you can adjust the time increments for recording water levels to match the refill rate)
8. Wait until full water level recovery and repeat test