

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): _____

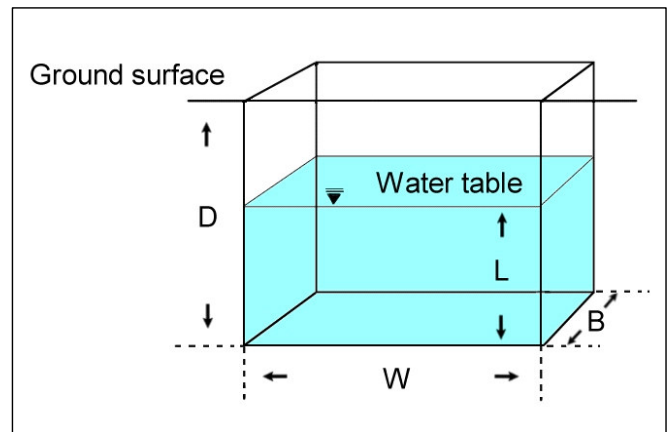
B = Breadth (cm): _____

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