

Infiltration Test Data Table

Time Elapsed (min)	Water Level Drop (mm)	Cumulative Drop (mm)	Infiltration Rate (mm/hr)
0	0	0	—
5	3	3	36
10	3.5	6.5	39
15	3.6	10.1	43.2
20	3.3	13.4	39.6
25	3.4	16.8	40.8
30	3.3	20.1	39.6

Calculation Formula:

To calculate the **Infiltration Rate (mm/hr)**:

$$\text{Infiltration Rate} = \left(\frac{\text{Water Level Drop in mm}}{\text{Time Interval in minutes}} \right) \times 60$$

Final Observed Rate:

After rates stabilize (often the last few readings), average them for the final infiltration rate:

$$\text{Average of last 3 rates} = \frac{39.6 + 40.8 + 39.6}{3} = 40 \text{ mm/hr}$$

Conclusion:

Final Infiltration Rate: 40 mm/hr

Classification: *Moderate* (based on standard infiltration rate classification)