$$f = \frac{V_{(P75-25)}}{a_{(P50)} \times t_{(P75-25)}}$$

All test pits were:

- **0.9m** deep
- **0.5m** wide
- **1.0m** long

$$\therefore V_{(P75-25)} = 1 \times 0.5 \times \left[\frac{1}{2}(0.9)\right] = 0.225\ m^3$$

$$a = 0.45[2(1.0 + 0.5)] + (1 \times 0.5) = 1.85\ m^3$$

TP1

$$f = \frac{0.225}{1.85(160 \times 60)} = 1.267 \times 10^{-5}$$

TP2

$$f = \frac{0.225}{1.85(115 \times 60)} = 1.763 \times 10^{-5}$$

TP3

$$f = \frac{0.225}{1.85(120 \times 60)} = 1.689 \times 10^{-5}$$