

6 Stormwater Management

Table 6.1: Summary of water management fluxes.

Flux Components	Flux (L/s)	Percentage (%)
PHASE 1		
Total Flux of water from quarry	29.5	
Flux to Northern Trench	11.6	39%
Flux between Trenches	0	0%
Flux to Southern Trench	4.3	15%
Flux to Central Infiltration Site	13.1	44%
Flux to South Infiltration Site	0.52	2%
PHASE 2C		
Total Flux of water from quarry	71.0	
Flux to Northern Trench	25.5	36%
Flux between Trenches	0	0%
Flux to Southern Trench	19.5	27%
Flux to Central Infiltration Site	21.6	30%
Flux to South Infiltration Site	4.4	6%
Flux From Buried Tile Drain to Injection Wells ¹	12.0	
PHASE 4A		
Total Flux of water from quarry	40.9	
Flux to Northern Trench	13.0	30%
Flux between Trenches	0	0%
Flux to Southern Trench	11.3	27%
Flux to Central Infiltration Site	16.6	39%
Flux to South Infiltration Site	1.8	4%
Flux From Buried Tile Drain to Injection Wells ¹	12.0	

¹ Flux to injection wells not included in total flux from quarry.

All Infiltration Trenches and Ponds to Model Layers 1 to 4.

Injection Wells

5 L/s to Model Layer 4 (Guelph)

7 L/s to Model Layer 6 (Gasport)

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Model Phase 2 C Total Flow (flux) from the Quarry is estimated at 71 L/s or 6,100 m³/day.

- **Shelburne ~ 2,200 m³/day**
- **Fergus Elora ~5,800 m³/day**
- **Orangeville ~8,200 m³/day**

Source: Excerpts from Appendix E: Impact Assessment, January 2025

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