

DRAFT

Strada Proposed Quarry

Table HA.1.1

Model vs Observed Stream Flows

Geographic Location	Appendix E Model Virtual Base Flow ¹⁾ Lowest Aug. to Sept.			Strada Observed Flows Aug 15, 2024 ²⁾		Genivar Observed Flows Sept 17, 2009 ³⁾		NVCA 2008 ⁵⁾	
	Station		L/s	Station	L/s	Station	L/s	Station	L/s
Newell Funston	STR2	Fig 3.22	0	SW17	38.9	SW8	30		
15th SR	STR3	Fig 3.22	13	SW4	61.7	-			
H.M Lake	STR9	Fig 4.10	18	-		-			
Main Street	STR8	Fig 4.11	56	SW5	139.7	-			
Mill Pond R.R	STR7	Fig 4.11	85	SW24	211.4	SW9	174		
Campbell 124 Cty Rd	STR1		NA	SW16	36.9	SW7	29		
Campbell 15th SR	STR4		NA	SW3	45.3	-			
Honeywood 15th SR				SW15	5.3	SW14	15		
Townline R.R				SW14	332.5	SW10	311		
Honeywood Line R.R				SW25	449.5	-			
Pine River at Prince of Wales Rd								Pine 1	600
Pine River at Everett ⁴⁾		Fig 3.38	830	-		-			
Golf Course 124	STR14	Fig 3.18	0	SW13	28.2	-			

Note: R.R: River Road

H.M: Horning's Mills

NA: Not Available

Date Source:

1) Draft Impact Assessment Report, Proposed Strada Pit/Quarry, by Earthfx Inc, August 2024

2) Strada Manual Streamflow Summary, Received on Sept 20, 2024 from NDACT

3) Table E-2, Surface Water Flow Rates, The Highland Companies Proposed Melancthon Mega Quarry Hydrogeologic and Hydrologic Assessment, Geographic Township of Melancthon, County of Dufferin, Volume 4 of 4, by Genivar Inc., January 2011

4) Appendix D Model Development and Calibration Report, Proposed Strada Pit/Quarry, by Earthfx Inc, August 2024

5) Niagara Escarpment Baseflow Study, Nottawasaga Valley Conservation Authority, January 27, 2009

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StreamFlowCompare_20251223.xlsx

Stream Flows Underestimated 2 to 3X

Property of

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