

A7b

Phase	Surface Area ^a (ha)	Gradient (%)	Cover	Soils ^b	Infiltration Factor ^c	Precipitation ^d (m ³ /year)
Pre-development	13.5	2.00	vegetated	3.00	0.8	124,000
Development ^e	10.5	0.00	vegetated	sand	0.8	96,000
	3.0	0.00	unvegetated	sand	0.7	28,000
	13.5	0.00	combined			124,000
Post-development	13.5	0.00	vegetated	sand	0.8	124,000

Notes:

^a MHBC (2017) Greenridge Farm Pit, 1002 Ridge Road, RR#1 Picton, Ontario, ARA Site Plan; extraction :

^b Cambium (2016) Letter Report - Geotechnical Investigation, 1088 Ridge Road, Ontario

^c MOECC (2003) Stormwater Management Planning and Design Manual

^d Quinte Conservation (2006) Conceptual Water Budget, Quinte Region; precipitation is 0.919 m/year, evap

^e During development, only 3 ha are anticipated to be unvegetated at any one time, as progressive revegetati

Evapotranspiration ^d (m ³ /year)	Runoff (m ³ /year)	Infiltration (m ³ /year)
74,000	10,000	40,000
58,000	8,000	30,000
17,000	3,000	8,000
75,000	11,000	38,000
74,000	10,000	40,000

area

otranspiration is 0.550 m/year

on will be undertaken in excavated areas