
Appendix 4.12 C

Qbar Calculations

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Appendix C. Surface Water Qbar Calculations

Project **Herbata Data Centre**

Project No. **DOBA 2232**

Title: **Filter Drain Area**

Calcs By **SP** Date: 29.06.2023

PRELIMINARY SURFACE WATER STORAGE ESTIMATE (NO LONG TERM STORAGE)

Catchment Characteristics

Greenfield Runoff Flows (Sites < 50 Ha)

denotes Input Value

Standard Average Annual Rainfall (SAAR) =					848	mm
Soil Index =					0.47	
Total Site Area =					0.6000	Hectares (ha)
Storm Return Period =					100	Years
Permissible Outflow per hectare, QBAR =					6.0	l/s/ha
* Total Permissible Outflow=					3.63	l/s

Soil Classification for Runoff Potential

Based on FSR Maps

Soil 1	0	%
Soil 2	0	%
Soil 3	100	%
Soil 4	0	%
Soil 5	0	%

Infiltration