MUSIC-*link* Report

Project Details		Company Details	
Project:	Hillview St Woy Woy	**Company:**	Cubo Consulting
Report Export Date:	13/12/2016	**Contact:**	Vince Cubis
Catchment Name:	16077_Hillview St Water Quality Model	**Address:**	Suite 6 , 220 The Entrance Rd Erina
Catchment Area:	1.166ha	**Phone:**	02 4326 0990
Impervious Area*:	43.91%	**Email:**	vince.cubis@cubo.net.au
Rainfall Station:	66062 SYDNEY		
Modelling Time-step:	6 Minutes		
Modelling Period:	1/01/1974 - 31/12/1993 11:54:00 PM		
Mean Annual Rainfall:	1297mm		
Evapotranspiration:	1261mm		
MUSIC Version:	6.2.1		
MUSIC-link data Version:	6.22		
Study Area:	Lowland		
Scenario:	Wyong Development		

* takes into account area from all source nodes that link to the chosen reporting node, excluding Import Data Nodes

Treatment Train Effectiveness

Node: Receiving Node	Reduction
Flow	96.9%
TSS	95.9%
TP	96.3%
TN	96.7%
GP	100%

Treatment Nodes

Node Type	Number
Rain Water Tank Node	1
Infiltration System Node	1

Source Nodes

Node Type	Number
Urban Source Node	3

Comments

Evaporation ignored due to Atlantis Below-Ground infiltration system.

Passing Parameters

Node Type	Node Name	Parameter	Min	Max	Actual
Infiltration	Infiltration System	Area (sqm)	None	None	385
Infiltration	Infiltration System	Filter area (sqm)	None	None	385
Infiltration	Infiltration System	Hi-flow bypass rate (cum/sec)	None	None	100
Receiving	Receiving Node	% Load Reduction	None	None	96.9
Receiving	Receiving Node	GP % Load Reduction	90	None	100
Receiving	Receiving Node	TN % Load Reduction	45	None	96.7
Receiving	Receiving Node	TP % Load Reduction	45	None	96.3
Receiving	Receiving Node	TSS % Load Reduction	80	None	95.9
Urban	C2 natural	Baseflow Total Nitrogen Mean (log mg/L)	-0.05	-0.05	-0.05
Urban	C2 natural	Baseflow Total Phosphorus Mean (log mg/L)	-1.22	-1.22	-1.22
Urban	C2 natural	Baseflow Total Suspended Solids Mean (log mg/L)	1.15	1.15	1.15
Urban	C2 natural	Stormflow Total Nitrogen Mean (log mg/L)	0.3	0.3	0.3
Urban	C2 natural	Stormflow Total Phosphorus Mean (log mg/L)	-0.66	-0.66	-0.66
Urban	C2 natural	Stormflow Total Suspended Solids Mean (log mg/L)	1.95	1.95	1.95
Urban	C2 Paved (driveway)	Baseflow Total Nitrogen Mean (log mg/L)	0.11	0.11	0.11
Urban	C2 Paved (driveway)	Baseflow Total Phosphorus Mean (log mg/L)	-0.85	-0.85	-0.85
Urban	C2 Paved (driveway)	Baseflow Total Suspended Solids Mean (log mg/L)	1.2	1.2	1.2
Urban	C2 Paved (driveway)	Stormflow Total Nitrogen Mean (log mg/L)	0.3	0.3	0.3
Urban	C2 Paved (driveway)	Stormflow Total Phosphorus Mean (log mg/L)	-0.6	-0.6	-0.6
Urban	C2 Paved (driveway)	Stormflow Total Suspended Solids Mean (log mg/L)	2.15	2.15	2.15
Urban	C2 Roof	Baseflow Total Nitrogen Mean (log mg/L)	0.32	0.32	0.32
Urban	C2 Roof	Baseflow Total Phosphorus Mean (log mg/L)	-0.82	-0.82	-0.82
Urban	C2 Roof	Baseflow Total Suspended Solids Mean (log mg/L)	1.1	1.1	1.1
Urban	C2 Roof	Stormflow Total Nitrogen Mean (log mg/L)	0.3	0.3	0.3
Urban	C2 Roof	Stormflow Total Phosphorus Mean (log mg/L)	-0.89	-0.89	-0.89
Urban	C2 Roof	Stormflow Total Suspended Solids Mean (log mg/L)	1.3	1.3	1.3

Only certain parameters are reported when they pass validation

Failing Parameters

Node Type	Node Name	Parameter	Min	Max	Actual
Infiltration	Infiltration System	Evaporative Loss as % of PET	100	100	0

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