



NODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Flow Type:	Brunswick Raw Sewage Rising Main	Mullumbimby Raw Sewage Rising Main	Bioreactor Inlet (1)		Secondary Clarifier Inlet	Secondary Clarifier Outlet		Effluent Storage Inflow	Overflow	Mullumbimby Storage	River Discharge	RAS	WAS	BFP Feed	BFP Filtrate (2)
Instantaneous Peak Flow - L/sec	158	156	468	-	234	157	-	77	182	21	314	154	4	5.5	8.5
ADWF - kL/day (L/sec)	3800 (44)		-	-	-	-	-	3800 (44)	-	-	-	-	103	-	-

DESIGN POPULATION (2025)	18 000 EP
ADWF	3.8ML/d 44L/S
PDWF (3 x ADWF)	11.4ML/d 132L/S
PWWF (5.8 x ADWF)	22.0ML/d 255L/S
PEAK INSTANTANEOUS INFLOW (7.1 x ADWF)	27.1ML/d 314L/S

- Notes
- Includes RAS at 3.5 x ADWF
 - Includes belt wash water @ 3L/sec
 - Option of Returning RAS to Bioreator or Inlet Works.

FOR CONSTRUCTION

DATE PLOTTED: 31 March 2010 - 8:53am

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B 31/03/2010 FLOW AMENDED A 31/08/2009 FOR CONSTRUCTION	R.J. N.M. R.J. N.M.	This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.		CAD FILE: M:\7637-10\ACAD\Detail\763710-01-P02002.dwg XREF's: XR-ATSHEET, XR-P&ID				