

Douglas Shire Council (Douglas)

Wastewater Network

General Inputs

General Financial Inputs			Comments
Base Year	YEAR	2006	Model Base Year
Modeled End Year	MODELYR	2041	Model End Year
Ultimate year	ULTIMATE	2041	Infrastructure Planned Year
Unit of Measure/Demand	UOM	EDU	Equivalent Demand Unit
Escalation Index (Capex)	EI	5.0%	
Weighted Average Cost of Capital (nominal)	WACC	8.5%	
Inflation Rate (CPI)	IR	3.3%	Average CPI June 2006 - June 2009
Real Weighted Average Cost of Capital	RWACC	5.00%	
Real Rate (Escalation of Charges)	RR	4.5%	
Discount Rate Alpha Adjusted Rate	AR	3.8%	

Contingencies			Comments
Contingencies on Assets Constructed in next 5 years	CONT10	10%	Industry Std
Contingencies on Assets Constructed in 5-10years	CONT15	15%	Industry Std
Contingencies on Assets Constructed 10+ years	CONT20	20%	Industry Std

Project Management and Design			Comments
Planning and Design Costs	PMDC	7.5%	Std Industry rate unless otherwise defined.
Administration			
Ongoing Administration Costs	OAC	1.0%	In accordance with SICS

Scheduled Rate Cost	Code	\$SRC	Comments/Source
Wastewater Gravity Main Unit Rates			
Gravity Main 150	Gravity Main 150	\$ 195.00	Assume Good Soil - 1.5-3.0m depth. 20% 'On costs' included.
Gravity Main 225	Gravity Main 225	\$ 256.00	Assume Good Soil - 1.5-3.0m depth. 20% 'On costs' included.
Gravity Main 300	Gravity Main 300	\$ 341.00	Assume Good Soil - 1.5-3.0m depth. 20% 'On costs' included.
Gravity Main 375	Gravity Main 375	\$ 436.00	Assume Good Soil - 1.5-3.0m depth. 20% 'On costs' included.
Gravity Main 450	Gravity Main 450	\$ 558.00	Assume Good Soil - 1.5-3.0m depth. 20% 'On costs' included.
Wastewater Rising Main Unit Rates			
Rising Main 50	Rising Main 50	\$ 54.00	Extrapolated from unit rates 100mm and above Based on Cost of 50mm PVC (equivalent to 63mm PE - refer email from BM 12/5/10) Extrapolated from unit rates 100mm and above. 20% 'On Costs' included.
Rising Main 63	Rising Main 63	\$ 54.00	Extrapolated from unit rates 100mm and above. 20% 'On Costs' included.
Rising Main 80	Rising Main 80	\$ 70.00	Extrapolated from unit rates 100mm and above. 20% 'On Costs' included.
Rising Main 100	Rising Main 100	\$ 79.00	20% 'On Costs' included
Rising Main 150	Rising Main 150	\$ 110.00	20% 'On Costs' included
Rising Main 200	Rising Main 200	\$ 155.00	20% 'On Costs' included
Rising Main 250	Rising Main 250	\$ 222.00	20% 'On Costs' included
Rising Main 300	Rising Main 300	\$ 311.00	20% 'On Costs' included
Rising Main 375	Rising Main 375	\$ 501.00	20% 'On Costs' included
Wastewater Effluent Rising Main Unit Rates			
Effluent Rising Main 100	Effluent Rising Main 100	\$ 79.00	As per Rising Main
Effluent Rising Main 200	Effluent Rising Main 200	\$ 155.00	As per Rising Main
Wastewater Low Pressure Main Unit Rates			
Low Pressure Main 110	Low Pressure Main 110	\$ 121.00	Source: Appendix E - Mossman WWTP Upgrade Supplementary Planning Report April 2009 (for 110mm dia Polyethylene (PE) Pipe) increased by 20% for General Contingency and indexed back to June 2006 from June 2009
Low Pressure Main 160	Low Pressure Main 160	\$ 181	Source: Appendix E - Mossman WWTP Upgrade Supplementary Planning Report April 2009 (for 160mm dia Polyethylene (PE) Pipe) increased by 20% for General Contingency and indexed back to June 2006 from June 2009

Douglas Shire Council (Douglas) Wastewater Network

Catchment Data

Catchment Name	2006	2011	2016	2021	2026	2031	2036	2041
	PORT DOUGLAS (S1)	4,456	4,862	5,352	5,850	6,330	6,713	7,098
MOSSMAN (S2)	1,703	1,788	1,886	1,993	2,104	2,227	2,351	2,465
COOYA BEACH (S3)	21	86	360	401	439	445	450	456
NEWELL BEACH (S4)	-	-	157	172	184	177	171	178
WONGA BEACH / ROCKY POINT (S5)	-	-	311	452	585	700	809	916

Douglas Shire Council (Douglas)

Wastewater Network

		Projected Demands (EDU)	Asset Allocation						
			2006	2011	2016	2021	2026	2031	2036
			4,456	1,703	21	-	-		
			4,862	1,788	86	-	-		
			5,352	1,886	360	157	311		
			5,850	1,993	401	172	452		
			6,330	2,104	439	184	585		
			6,713	2,227	445	177	700		
			7,098	2,351	450	171	809		
			7,492	2,465	456	178	916		
Council Existing Assets			PORT DOUGLAS (\$1)	MOSSMAN (\$2)	COOYA BEACH (\$3)	NEWELL BEACH (\$4)	WONGA BEACH / ROCKY POINT (\$5)		
ASSET ID	ASSET TYPE	ASSET DESCRIPTION	TOTAL ASSET VALUE 2006	SUBSIDY	TOTAL ASSET VALUE 2006 (LESS SUBSIDIES)				
ACTIVE ASSETS									
SPSE001	Pump Station	Junction Road Pump Station (PS - MA)	\$ 169,053	0%	\$ 169,053				
SPSE002	Pump Station	Foxton Avenue Pump Station (PS - MC)	\$ 139,097	0%	\$ 139,097		Y		
SPSE003	Pump Station	Johnston Road Pump Station (PS - MD)	\$ 184,968	0%	\$ 184,968		Y		
SPSE004	Pump Station	Mossman Gorge Road Pump Station (PS - ME)	\$ 115,254	0%	\$ 115,254		Y		
SPSE005	Pump Station	Ashford Avenue Pump Station (PS - D)	\$ 56,793	0%	\$ 56,793	Y			
SPSE006	Pump Station	Coral Drive Pump Station (PS - 4D)	\$ 135,590	0%	\$ 135,590	Y			
SPSE007	Pump Station	Martin Scullet Drive Pump Station (PS - 4E)	\$ 54,874	0%	\$ 54,874	Y			
SPSE008	Pump Station	Ulysses Avenue Pump Station (PS - PG)	\$ 255,949	0%	\$ 255,949	Y			
SPSE009	Pump Station	Escape Street Pump Station (PS - SC2)	\$ 141,584	0%	\$ 141,584	Y			
SPSE010	Pump Station	Agincourt Street Pump Station (PS - S1)	\$ 141,584	0%	\$ 141,584	Y			
SPSE011	Pump Station	Endeavour Street Pump Station (PS - S2)	\$ 61,237	0%	\$ 61,237	Y			
SPSE012	Pump Station	Industrial Beer Street Pump Station (PS - IB)	\$ 144,405	0%	\$ 144,405	Y			
SPSE013	Pump Station	Marina Mirage Pump Station (PS - E)	\$ 141,584	0%	\$ 141,584	Y			
SPSE014	Pump Station	Spinnaker Close Pump Station (PS - YC)	\$ 25,635	0%	\$ 25,635	Y			
SPSE015	Pump Station	Sports Oval Pump Station (PS - SO)	\$ 143,583	0%	\$ 143,583	Y			
SPSE016	Pump Station	Bale Drive Pump Station (PS - BL)	\$ 271,797	0%	\$ 271,797	Y			
SPSE017	Pump Station	Cooya Beach Road Pump Station (PS - CYB)	\$ 273,728	0%	\$ 273,728			Y	
SPSE018	Pump Station	Captain Cook Highway Pump Station (PS - CL)	\$ 139,591	0%	\$ 139,591	Y			
SPSE019	Pump Station	Millman Drive Pump Station (PS - PP)	\$ 173,286	0%	\$ 173,286	Y			
SPSE020	Pump Station	Atherton Street Pump Station (PS - NM)	\$ 154,844	0%	\$ 154,844			Y	
SPSE021	Pump Station	Saint Crispins Avenue Pump Station (PS - SC1)	\$ 141,584	0%	\$ 141,584	Y			
SPSE022	Lift Station	Old Port Road Lift Station (PS - 4C)	\$ 51,023	0%	\$ 51,023	Y			
SPSE023	Pump Station	Barrier Street Pump Station (PS - 4B)	\$ 101,983	0%	\$ 101,983	Y			
SPSE024	Pump Station	Seabrook Avenue Pump Station (PS - 4A)	\$ 78,063	0%	\$ 78,063	Y			
SPSE025	Pump Station	Mudlo Street Pump Station (PS - A)	\$ 147,580	0%	\$ 147,580	Y			
SPSE026	Pump Station	Crimmins Street Pump Station (PS - C)	\$ 68,377	0%	\$ 68,377	Y			
SPSE027	Pump Station	Macrossan Street Pump Station (PS - B)	\$ 123,599	0%	\$ 123,599	Y			
SPSE028	Pump Station	Alchera Drive Pump Station (PS - MB)	\$ 127,811	0%	\$ 127,811			Y	
SPSE029	Pump Station	Downing Street Pump Station (PS - L1)	\$ 293,476	0%	\$ 293,476	Y			
SPSE030	Pump Station	Mitre Street Pump Station (PS - 4M)	\$ 212,251	0%	\$ 212,251	Y			
SPSE031	Pump Station	Inlet Street Pump Station (PS - FM)	\$ 38,508	0%	\$ 38,508	Y			
SPSE032	Pump Station	Sheridan Mirage Nth Condo Pump Station (PS - Q3)	\$ 68,518	0%	\$ 68,518	Y			
SPSE033	Pump Station	Sheridan Mirage South Mirage Lift Station (PS - Q2)	\$ 68,518	0%	\$ 68,518	Y			
SPSE034	Pump Station	Sheridan Mirage Main Comp Pump Station (PS - Q1)	\$ 141,584	0%	\$ 141,584	Y			
SPSE035	Pump Station	Sheridan Mirage Country Club Pump Station (PS - Q4)	\$ 141,584	0%	\$ 141,584	Y			
SPSE036	Pump Station	Sheridan Mirage Sth Condo Lift Station (PS - Q5)	\$ 68,518	0%	\$ 68,518	Y			
STPE001	Wastewater Treatment Plant	Port Douglas Wastewater Treatment Plant	\$ 10,877,182	40%	\$ 6,526,309	Y			
STPE002	Wastewater Treatment Plant	Port Douglas Saltwater Wastewater Treatment Plant	\$ 1,433,451	40%	\$ 860,069	Y			
STPE003	Wastewater Treatment Plant	Junction Road Mossman Wastewater Treatment Plant	\$ 2,372,882	40%	\$ 1,423,729		Y	Y	Y

Council Existing Assets

ASSET ID	ASSET TYPE	DIA (MM)	LENGTH (M)	MATERIAL	UNIT RATE	TOTAL ASSET VALUE 2006	PORT DOUGLAS	MOSSMAN (S2)	COOYA BEACH	NEWELL BEACH	WONGA BEACH /
							(S1)	(S2)	(S3)	(S4)	ROCKY POINT (S5)
PASSIVE ASSETS											
EME001	Effluent Rising Main	200	28	PVC	\$ 155	\$ 4,290	Y				
EME002	Effluent Rising Main	200	12	PVC	\$ 155	\$ 1,787	Y				
EME003	Effluent Rising Main	200	30	PVC	\$ 155	\$ 4,605	Y				
EME004	Effluent Rising Main	200	154	PVC	\$ 155	\$ 23,793	Y				
EME005	Effluent Rising Main	100	126	PVC	\$ 79	\$ 9,952	Y				
EME006	Effluent Rising Main	100	485	PVC	\$ 79	\$ 38,319	Y				
EME007	Effluent Rising Main	100	255	PVC	\$ 79	\$ 20,109	Y				
EME008	Effluent Rising Main	100	407	PVC	\$ 79	\$ 32,144	Y				
EME009	Effluent Rising Main	200	256	PVC	\$ 155	\$ 39,672	Y				
EME010	Effluent Rising Main	200	355	PVC	\$ 155	\$ 54,971	Y				
EME011	Effluent Rising Main	200	468	PVC	\$ 155	\$ 72,494	Y				
EME012	Effluent Rising Main	200	320	PVC	\$ 155	\$ 49,530	Y				
EME013	Effluent Rising Main	200	1348	PVC	\$ 155	\$ 208,894	Y				
EME014	Effluent Rising Main	200	589	PVC	\$ 155	\$ 91,245	Y				
EME015	Effluent Rising Main	200	365	PVC	\$ 155	\$ 56,567	Y				
EME016	Effluent Rising Main	200	197	PVC	\$ 155	\$ 30,580	Y				
EME017	Effluent Rising Main	200	79	PVC	\$ 155	\$ 12,299	Y				
EME018	Effluent Rising Main	200	621	PVC	\$ 155	\$ 96,227	Y				
EME019	Effluent Rising Main	200	645	PVC	\$ 155	\$ 99,938	Y				
EME020	Effluent Rising Main	100	239	PVC	\$ 79	\$ 18,862	Y				
EME021	Effluent Rising Main	200	97	PVC	\$ 155	\$ 15,099	Y				
GME001	Gravity Main	225	6	PVC	\$ 256	\$ 1,487		Y			
GME002	Gravity Main	225	6	PVC	\$ 256	\$ 1,631	Y				
GME003	Gravity Main	225	10	PVC	\$ 256	\$ 2,560	Y				
GME004	Gravity Main	225	50	PVC	\$ 256	\$ 12,910	Y				
GME005	Gravity Main	225	5	PVC	\$ 256	\$ 1,331	Y				
GME006	Gravity Main	300	5	PVC	\$ 341	\$ 1,671	Y				
GME007	Gravity Main	300	41	PVC	\$ 341	\$ 13,875	Y				
GME008	Gravity Main	300	30	PVC	\$ 341	\$ 10,111	Y				
GME009	Gravity Main	300	6	PVC	\$ 341	\$ 2,145	Y				
GME010	Gravity Main	300	6	FRC	\$ 341	\$ 1,886		Y			
GME011	Gravity Main	300	150	FRC	\$ 341	\$ 51,303		Y			
GME012	Gravity Main	225	249	FRC	\$ 256	\$ 63,780		Y			
GME013	Gravity Main	225	406	FRC	\$ 256	\$ 104,059		Y			
GME014	Gravity Main	150	223	PVC	\$ 195	\$ 43,405		Y			
GME015	Gravity Main	225	313	FRC	\$ 256	\$ 80,248		Y			
GME016	Gravity Main	225	38	FRC	\$ 256	\$ 9,702		Y			
GME017	Gravity Main	225	985	FRC	\$ 256	\$ 252,242		Y			
GME018	Gravity Main	225	218	PVC	\$ 256	\$ 55,852		Y			
GME019	Gravity Main	225	220	AC	\$ 256	\$ 56,202	Y				
GME020	Gravity Main	300	81	AC	\$ 341	\$ 27,485	Y				
GME021	Gravity Main	225	421	AC	\$ 256	\$ 107,658	Y				
GME022	Gravity Main	150	139	AC	\$ 195	\$ 27,189	Y				
GME023	Gravity Main	150	175	PVC	\$ 195	\$ 34,041	Y				
GME024	Gravity Main	150	475	PVC	\$ 195	\$ 92,627	Y				
GME025	Gravity Main	150	200	PVC	\$ 195	\$ 38,959	Y				
GME026	Gravity Main	150	110	PVC	\$ 195	\$ 21,462	Y				
GME027	Gravity Main	150	178	PVC	\$ 195	\$ 34,915	Y				
GME028	Gravity Main	225	194	PVC	\$ 256	\$ 49,777	Y				
GME029	Gravity Main	450	86	FRC	\$ 558	\$ 36,834		Y			
GME030	Gravity Main	375	585	FRC	\$ 436	\$ 254,929		Y			
GME031	Gravity Main	225	588	FRC	\$ 256	\$ 150,628		Y			
GME032	Gravity Main	225	267	FRC	\$ 256	\$ 68,329		Y			
GME033	Gravity Main	375	203	PVC	\$ 436	\$ 88,643		Y			
GME034	Gravity Main	300	330	PVC	\$ 341	\$ 112,636		Y			
GME035	Gravity Main	300	201	PVC	\$ 341	\$ 68,599		Y			
GME036	Gravity Main	225	242	PVC	\$ 256	\$ 61,967		Y			
GME037	Gravity Main	225	280	PVC	\$ 256	\$ 71,798		Y			
GME038	Gravity Main	225	37	PVC	\$ 256	\$ 9,577		Y			
GME039	Gravity Main	225	201	PVC	\$ 256	\$ 51,361		Y			
GME040	Gravity Main	225	473	PVC	\$ 256	\$ 121,211		Y			

Council Existing Assets

Council Existing Assets							PORT DOUGLAS (S1)	MOSSMAN (S2)	COOYA BEACH (S3)	NEWELL BEACH (S4)	WONGA BEACH / ROCKY POINT (S5)
GME041	Gravity Main	225	121	AC	\$ 256	\$ 30,899	Y				
GME042	Gravity Main	225	271	PVC	\$ 256	\$ 69,350	Y				
GME043	Gravity Main	225	113	PVC	\$ 256	\$ 29,046	Y				
GME044	Gravity Main	300	175	PVC	\$ 341	\$ 59,586	Y				
GME045	Gravity Main	225	207	PVC	\$ 256	\$ 52,948	Y				
GME046	Gravity Main	225	77	PVC	\$ 256	\$ 19,702	Y				
GME047	Gravity Main	300	315	PVC	\$ 341	\$ 107,579	Y				
GME048	Gravity Main	300	108	PVC	\$ 341	\$ 36,664	Y				
GME049	Gravity Main	300	73	PVC	\$ 341	\$ 24,903	Y				
GME050	Gravity Main	225	176	PVC	\$ 256	\$ 44,992	Y				
GME051	Gravity Main	225	1	PVC	\$ 256	\$ 351		Y			
GME052	Gravity Main	150	213	PVC	\$ 195	\$ 41,519	Y				
GME053	Gravity Main	150	299	PVC	\$ 195	\$ 58,389	Y				
RME001	Rising Main	100	73	PVC	\$ 79	\$ 5,785	Y				
RME002	Rising Main	100	250	PVC	\$ 79	\$ 19,726		Y			
RME003	Rising Main	200	9	DICL	\$ 155	\$ 1,372		Y			
RME004	Rising Main	150	379	PVC	\$ 110	\$ 41,742	Y				
RME005	Rising Main	200	7	PVC	\$ 155	\$ 1,011	Y				
RME006	Rising Main	200	226	PVC	\$ 155	\$ 35,069	Y				
RME007	Rising Main	200	10	PVC	\$ 155	\$ 1,545	Y				
RME008	Rising Main	200	158	PVC	\$ 155	\$ 24,501	Y				
RME009	Rising Main	300	217	PVC	\$ 311	\$ 67,546	Y				
RME010	Rising Main	300	430	PVC	\$ 311	\$ 133,662	Y				
RME011	Rising Main	300	435	PVC	\$ 311	\$ 135,372	Y				
RME012	Rising Main	300	381	PVC	\$ 311	\$ 118,444	Y				
RME013	Rising Main	300	614	PVC	\$ 311	\$ 191,047	Y				
RME014	Rising Main	300	11	PVC	\$ 311	\$ 3,418	Y				
RME015	Rising Main	375	225	PVC	\$ 501	\$ 112,575	Y				
RME016	Rising Main	375	441	PVC	\$ 501	\$ 220,826	Y				
RME017	Rising Main	100	1026	PVC	\$ 79	\$ 81,056		Y			
RME018	Rising Main	100	1040	PVC	\$ 79	\$ 82,163		Y			
RME019	Rising Main	100	183	PVC	\$ 79	\$ 14,479		Y			
RME020	Rising Main	80	2784	PVC	\$ 70	\$ 194,894		Y			
RME021	Rising Main	100	642	PVC	\$ 79	\$ 50,692		Y			
RME022	Rising Main	80	259	PVC	\$ 70	\$ 18,133	Y				
RME023	Rising Main	50	41	PVC	\$ 54	\$ 2,198	Y				
RME024	Rising Main	100	263	AC	\$ 79	\$ 20,804	Y				
RME025	Rising Main	150	695	PVC	\$ 110	\$ 76,449	Y				
RME026	Rising Main	200	179	PVC	\$ 155	\$ 27,692	Y				
RME027	Rising Main	63	181	PE	\$ 54	\$ 9,786	Y				
RME028	Rising Main	100	204	AC	\$ 79	\$ 16,104	Y				
RME029	Rising Main	150	230	PVC	\$ 110	\$ 25,292	Y				
RME030	Rising Main	100	49	PVC	\$ 79	\$ 3,888	Y				
RME031	Rising Main	63	334	PE	\$ 54	\$ 18,062	Y				
RME032	Rising Main	50	101	PVC	\$ 54	\$ 5,435	Y				
RME033	Rising Main	200	708	PVC	\$ 155	\$ 109,774			Y		
RME034	Rising Main	200	381	PVC	\$ 155	\$ 58,995			Y		
RME035	Rising Main	200	52	DICL	\$ 155	\$ 8,010			Y		
RME036	Rising Main	150	851	PVC	\$ 110	\$ 93,602		Y			
RME037	Rising Main	200	399	PVC	\$ 155	\$ 61,879			Y		
RME038	Rising Main	200	21	PVC	\$ 155	\$ 3,297			Y		
RME039	Rising Main	200	533	PVC	\$ 155	\$ 82,610			Y		
RME040	Rising Main	200	584	PVC	\$ 155	\$ 90,570			Y		
RME041	Rising Main	200	10	PVC	\$ 155	\$ 1,621			Y		
RME042	Rising Main	200	321	PVC	\$ 155	\$ 49,691			Y		
RME043	Rising Main	100	218	PVC	\$ 79	\$ 17,252		Y			
RME044	Rising Main	100	262	PVC	\$ 79	\$ 20,711	Y				
RME045	Rising Main	100	152	PVC	\$ 79	\$ 11,969	Y				
RME046	Rising Main	200	705	PVC	\$ 155	\$ 109,311	Y				
RME047	Rising Main	150	65	PVC	\$ 110	\$ 7,131	Y				
RME048	Rising Main	200	235	PVC	\$ 155	\$ 36,453	Y				
RME049	Rising Main	150	253	PVC	\$ 110	\$ 27,784	Y				
RME050	Rising Main	150	543	PVC	\$ 110	\$ 59,701	Y				
RME051	Rising Main	375	64	PVC	\$ 501	\$ 32,254	Y				
RME052	Rising Main	375	51	PVC	\$ 501	\$ 25,591	Y				
RME053	Rising Main	375	227	PVC	\$ 501	\$ 113,512	Y				
RME054	Rising Main	100	226	PVC	\$ 79	\$ 17,827	Y				
RME055	Rising Main	300	91	PVC	\$ 311	\$ 28,279	Y				
RME056	Rising Main	300	557	PVC	\$ 311	\$ 173,227	Y				

Council Existing Assets

Council Existing Assets							PORT DOUGLAS (S1)	MOSSMAN (S2)	COOYA BEACH (S3)	NEWELL BEACH (S4)	WONGA BEACH / ROCKY POINT (S5)
RME057	Rising Main	300	396	PVC	\$ 311	\$ 123,175	Y				
RME058	Rising Main	200	243	PVC	\$ 155	\$ 37,674	Y				
RME059	Rising Main	100	216	PVC	\$ 79	\$ 17,051	Y				
RME060	Rising Main	100	81	PVC	\$ 79	\$ 6,428	Y				
RME061	Rising Main	150	312	PVC	\$ 110	\$ 34,355	Y				
RME062	Rising Main	100	403	PVC	\$ 79	\$ 31,844	Y				
RME063	Rising Main	100	849	PVC	\$ 79	\$ 67,097	Y				
RME064	Rising Main	150	184	PVC	\$ 110	\$ 20,238	Y				
RME065	Rising Main	80	269	PVC	\$ 70	\$ 18,808	Y				
RME066	Rising Main	300	348	PVC	\$ 311	\$ 108,349	Y				
RME067	Rising Main	200	250	PVC	\$ 155	\$ 38,688	Y				
RME068	Rising Main	100	10	DICL	\$ 79	\$ 796	Y				
RME069	Rising Main	300	963	PVC	\$ 311	\$ 299,586	Y				
RME070	Rising Main	200	9	PVC	\$ 155	\$ 1,318			Y		
RME071	Rising Main	80	38	PVC	\$ 70	\$ 2,646	Y				
RME072	Rising Main	100	400	PVC	\$ 79	\$ 31,600	Y				
RME073	Rising Main	150	50	PVC	\$ 110	\$ 5,500	Y				
RME074	Rising Main	100	90	PVC	\$ 79	\$ 7,110	Y				
RME075	Rising Main	150	125	PVC	\$ 110	\$ 13,750	Y				
RME076	Rising Main	100	164	PVC	\$ 79	\$ 12,936	Y				
RME076	Rising Main	100	28	PVC	\$ 79	\$ 2,183	Y				
RME077	Rising Main	100	519	PVC	\$ 79	\$ 41,003	Y				
TOTAL						\$ 21,385,826					

Douglas Shire Council (Douglas) Wastewater Network

Council Future Assets														Asset Allocation												
														2006	2011	2016	2021	2026	2031	2036	2041	PORT DOUGLAS (\$'1)	MOSSMAN (\$'2)	COOVA BEACH (\$'3)	NEVELL BEACH (\$'4)	WONGA BEACH / ROCKY POINT (\$'5)
ASSET ID	ASSET TYPE	ASSET DESCRIPTION	STATUS	ESTIMATED ASSET UNIT VALUE	SUBSIDY	ASSET VALUE (LESS SUBSIDY)	ESTIMATED YEAR OF CONSTRUCTION	CAPITEX COST - 10% - 15 YEARS - 10% - 20% (EXCLUDING LAND)	OPERATING COST - 10% - 15 YEARS - 10% - 20% (EXCLUDING LAND)	PROJECT MANAGEMENT & DESIGN COST - 1.5% (EXCLUDING LAND)	TOTAL ESTIMATED COST															
ACTIVE ASSETS																										
N0TE01	Miscellaneous Project Costs	Establishment, As Constructed Drawings, Survey, Geotechnical, Design and Contract Admin Costs	Future	\$ 113,650	0%	\$ 113,650	2015	\$ -	\$ -	\$ -	\$ 113,650															
N0TE02	Miscellaneous Project Costs	Establishment, As Constructed Drawings, Survey, Geotechnical, Design and Contract Admin Costs	Future	\$ 204,869	0%	\$ 204,869	2017	\$ -	\$ -	\$ -	\$ 204,869															
SFSP01	Pump Station	Independer Road Pump Station	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SFSP02	Pump Station	Marlin Drive Pump Station	Future	\$ 336,403	0%	\$ 336,403	2015	\$ 50,460	\$ 25,230	\$ -	\$ 412,093															
SFSP03	Pump Station	Mallo Pump Station	Future	\$ 336,403	0%	\$ 336,403	2015	\$ 50,460	\$ 25,230	\$ -	\$ 412,093															
SFSP04	Pump Station	Newell Road Pump Station	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SFSP05	Pump Station	Palmer Street Pump Station	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SFSP06	Pump Station	Mossman WWTP Reuse Pump Station Stage 2	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SFSP07	Pump Station	Mossman Golf Course Reuse Pump Station	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SFSP08	Pump Station	Palmer Street Pump Station	Future	\$ 316,219	0%	\$ 316,219	2015	\$ 47,723	\$ 23,866	\$ -	\$ 387,808															
SSFF01	Storage Facility	Mossman WWTP Reuse Storage Facility - 3 ML	Future	\$ 272,759	0%	\$ 272,759	2015	\$ 40,914	\$ 20,457	\$ -	\$ 334,130															
SSFF02	Storage Facility	Mossman WWTP Reuse Storage Facility - 1 ML	Future	\$ 90,167	0%	\$ 90,167	2017	\$ 13,525	\$ 6,762	\$ -	\$ 110,454															
STPP01	Treatment Plant	Palmer Mossman WWTP Upgrade - Regulate flows	Upgrade	\$ 213,818	0%	\$ 213,818	2008	\$ 32,072	\$ 16,036	\$ -	\$ 261,926															
STPP02	Treatment Plant	Palmer Mossman WWTP Upgrade - Alternative sludge infrastructure	Upgrade	\$ 806,091	0%	\$ 806,091	2009	\$ 120,913	\$ 60,456	\$ -	\$ 987,500															
STPP03	Treatment Plant	Mossman WWTP Upgrade Stage 1 including Effluent reuse PS Stage 1	Upgrade	\$ 12,886,841	0%	\$ 12,886,841	2012	\$ 1,932,914	\$ 966,457	\$ -	\$ 15,786,212															
STPP04	Treatment Plant	Mossman WWTP Upgrade Stage 2	Upgrade	\$ 2,686,225	0%	\$ 2,686,225	2017	\$ 402,933	\$ 201,466	\$ -	\$ 3,290,624															
PASSIVE ASSETS																										
ASSET ID	ASSET TYPE	DIAM (MM)	LENGTH (M)	MATERIAL	ASSET UNIT RATE	ESTIMATED ASSET UNIT VALUE	SUBSIDY	ASSET VALUE (LESS SUBSIDY)	ESTIMATED YEAR OF CONSTRUCTION	CAPITEX COST - 10% - 15 YEARS - 10% - 20% (EXCLUDING LAND)	OPERATING COST - 10% - 15 YEARS - 10% - 20% (EXCLUDING LAND)	PROJECT MANAGEMENT & DESIGN COST - 1.5% (EXCLUDING LAND)	TOTAL ESTIMATED COST													
EMR01	Effluent Rising Man	100	5,193	PVC	79	\$ 410,232	0%	\$ 410,232	2015	\$ 61,535	\$ -	\$ -	\$ 471,767													
EMR02	Effluent Rising Man	100	1,958	PVC	79	\$ 154,658	0%	\$ 154,658	2015	\$ 23,198	\$ -	\$ -	\$ 177,856													
EMR03	Effluent Rising Man	100	1,295	PVC	79	\$ 99,116	0%	\$ 99,116	2015	\$ 14,867	\$ -	\$ -	\$ 113,983													
EMR04	Effluent Rising Man	100	3,021	PVC	79	\$ 238,678	0%	\$ 238,678	2017	\$ 35,801	\$ -	\$ -	\$ 274,479													
EMR05	Effluent Rising Man	100	3,021	PVC	79	\$ 238,678	0%	\$ 238,678	2017	\$ 35,801	\$ -	\$ -	\$ 274,479													
EMR06	Effluent Rising Man	100	1,144	PVC	79	\$ 90,404	0%	\$ 90,404	2017	\$ 13,560	\$ -	\$ -	\$ 103,964													
RM01	Low Pressure Main	150	88	PE	121	\$ 10,510	0%	\$ 10,510	2017	\$ 1,576	\$ -	\$ -	\$ 12,086													
RM02	Low Pressure Main	150	2,727	PE	121	\$ 329,127	0%	\$ 329,127	2017	\$ 49,369	\$ -	\$ -	\$ 378,496													
RM03	Low Pressure Main	200	4,075	PE	181	\$ 737,951	0%	\$ 737,951	2017	\$ 110,692	\$ -	\$ -	\$ 848,643													
RM04	Rising Man	100	2,128	PVC	79	\$ 168,124	0%	\$ 168,124	2017	\$ 25,218	\$ -	\$ -	\$ 193,342													
RM05	Rising Man	250	4,999	PVC	222	\$ 1,109,873	0%	\$ 1,109,873	2017	\$ 166,480	\$ -	\$ -	\$ 1,276,353													
RM06	Rising Man	150	1,105	PVC	110	\$ 121,552	0%	\$ 121,552	2015	\$ 18,233	\$ -	\$ -	\$ 139,785													
RM07	Rising Man	250	3,462	PVC	222	\$ 768,357	0%	\$ 768,357	2017	\$ 115,253	\$ -	\$ -	\$ 883,610													
RM08	Rising Man	250	1,756	PVC	109	\$ 219,114	0%	\$ 219,114	2017	\$ 32,867	\$ -	\$ -	\$ 251,981													
TOTAL						\$ -		\$ 26,216,458		\$ 4,267,494	\$ 1,570,160	\$ -	\$ 32,056,111													