

CASE STUDY: The History of Water Supply on the Central Coast

APPENDIX 1:

Table 6: Important Components of the Joint Water Supply Scheme up to the Year 2000
(see page 3).

Locality	Asset	Catchment area and % of total	Capacity/size and % of total	Year
Mangrove Creek	Mangrove Creek dam	101 sq km (14%)	190,000 ML (93.7%)	1982
	Mangrove Creek weir	140 sq km (20%)	300 ML (0.15%)	1975
	Pumping station		73 ML/d	1975
	RM to Somersby WTP		18 km x 900 mm pipe	1975
	Balance Tank		13.5 ML	1975
	PS Amplification		142 ML/d	1986
	Boomerang Creek tunnel		11 km x 3000 mm tunnel	1989
Wyong River	Lower Wyong River weir	355 sq km (49%)	300 ML (0.15%)	
	Pumping station		53/72 ML/d	
	Mardi dam (off-stream)		7,400 ML (3.65%)	1962
	Mardi dam upgrade		0 ML	1989
	Mardi Water Treatment Plant		80 ML/d	1982
	Water Treatment Plant Stage 2		80 ML/d	1994
Ourimbah Creek	Transfer system to Mardi WTP		100 ML/d	1982
	Upper Ourimbah Creek weir	88 sq km (12%)	45 ML (0.05%)	1982
	Pumping station		39/56 ML/d	1988
	RM to Mardi dam		5km x 600 mm & .6km x 1600 mm	1982
Mooney Mooney Creek	Lower Ourimbah Creek weir		Salt water barrier – no storage	
	Mooney Creek dam	39 sq km (5%)	4,600 ML (2.27%)	1960
	Somersby Water Treatment Plant		73 ML/d	1971
	Water Treatment Plant Stage 2		67 ML/d	1986
Kariong	Main from WTP to Kariong Res.		73 ML/d	1975
	Reservoir No. 1		9.1 ML	1973
Tuggerah	Reservoir No. 2		50 ML	1986
	Link Main from Mardi WTP			1986
	Reservoir No. 2		40 ML	1986
Bateau Bay	Link Main from Kariong Res.		17 km x 1050/900/750 mm	1986
	Forrester Beach Pumping Station		20 ML/d	1987
	Bateau/Wamberal Transfer Main		10 km x 450 mm with flow meter	1984

(Source: "Technical Overview of Gosford-Wyong's Joint Water Supply Scheme." (Technical Overview of the twelve volumes of the NSW Department of Commerce's review Of the JWSS and Future Options Report) 2003, page 5.)