



Development Servicing Plan

Water Supply

Final

November 2023

This DSP has been prepared by Hydrosphere Consulting on behalf of City of Coffs Harbour.

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CITY OF COFFS HARBOUR DEVELOPMENT SERVICING PLAN - WATER SUPPLY

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SUMMARY

This Development Servicing Plans (DSP) covers water supply developer charges for the development area served by the City of Coffs Harbour (CCH) water supply.

In preparing the DSP, Council has considered the 2016 *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (DPI Water, 2016) issued by the Minister for Lands and Water, pursuant to section 306 (3) of the *Water Management Act 2000*.

The area covered by this DSP is shown on the maps attached in Appendix 1. This DSP applies to all land in the CCH local government area that is within the water supply service areas and is to be connected to the CCH water supply system as a result of commercial, industrial, residential and tourist development.

The timing and expenditure for works serving the area covered by this DSP are shown in the DSP Background Document (Appendix 3). Future capital works expenditure included in CCH's capital works program has been applied to the DSP including asset renewals and upgrades based on documents prepared under the NSW Department of Planning and Environment Regulatory Framework for Local Water Utilities.

System design and operation in the DSP area are based on CCH's levels of service summarised in Section 5 including water availability, restrictions during drought conditions and water quality.

The water supply developer charge for the area covered by this DSP is given in Table 1.

Table 1: Developer charges (2024\$)

DSP Area	Service Area	Developer Charge (per ET)
Water Supply DSP	All water supply areas	\$17,828

Developer charges relating to this DSP document will be reviewed within 4 to 8 years.

In the period between any review, developer charges will be adjusted quarterly (using the quarterly CPI (All Groups) for Sydney), excluding the impact of GST.

Developers are responsible for the full cost of the design and construction of water supply reticulation works within the proposed development/ subdivision and up to the nominated point of connection to Council mains which may be outside the proposed development.

Background information containing all the critical data including calculation models behind each DSP is available on request.

1. INTRODUCTION

Section 64 of the *Local Government Act, 1993* enables a local government authority to levy developer charges for water supply, sewerage and stormwater. This derives from a cross-reference in that Act to section 306 of the *Water Management Act, 2000*.

A Development Servicing Plan (DSP) details the water supply developer charges to be levied on development areas utilising a water utility's water supply infrastructure.

This DSP document covers developer charges for water supply for the development areas serviced by CCH.

In preparing the DSP, CCH has considered the 2016 *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (DPIE Water, 2016) issued by the Minister for Lands and Water, pursuant to section 306 (3) of the *Water Management Act, 2000*.

This DSP document supersedes any other requirements related to water supply developer charges for the area covered by this DSP. This DSP document takes precedence over any of Council's codes or policies where there are any inconsistencies relating to water supply developer charges.

2. ADMINISTRATION

2.1 DSP Area

The area covered by this DSP is shown on the maps attached in Appendix 1. The DSP area boundary is defined as the area served by the CCH water supply scheme. This DSP applies to all land in the CCH local government area that is within the water supply service areas and is to be connected to the CCH water supply system as a result of commercial, industrial, residential and tourist development. The basis for defining the DSP area boundary is the existing and future development serviced by the CCH water supply system.

Any development outside the water supply service area will require a special agreement with CCH.

2.2 Application of Developer Charges

CCH will assess the demand for service in terms of equivalent tenements (ET) and will levy developer charges proportional to the number of ETs. The minimum demand for each development is 1 ET. The developer charges will apply to new development and re-development (i.e. change of use) in accordance with the *Section 64 Determinations of Equivalent Tenements Guidelines* (NSW Water Directorate, 2009) or other related policy or methodology approved by CCH (Appendix 2). CCH will levy water supply developer charges proportional to the number of ETs (determined using the current average water consumption for an average residential dwelling (190 kL/ET p.a. as discussed in Section 3.1). This includes connection of land with existing residences and/or non-residential buildings if water developer charges have not been paid previously.

CCH may also develop or review other policies related to the application or administration of developer charges.

2.3 Timing and Payment of Developer Charges

On receipt of a Development Application or a Water Service Application, CCH will advise the charges payable under this DSP.

Developer charges will be determined and levied in accordance with the provisions of this DSP at the time of considering an application for a compliance certificate under section 305 of the *Water Management Act 2000* or a construction certificate under section 109 of the *Environmental Planning and Assessment Act 1979* or at the time of issuing a notice or other form of written advice e.g. under the *SEPP (Exempt and Complying Development Codes) 2008* or approval under section 68 of the *Local Government Act 1993*. The time limit for payment of developer charges will be included in the notice of determination or will be advised to the developer by a separate notice. The developer contribution will be at the rate that applies at the time of payment i.e. the rate may increase (through indexation or review of this DSP) from the time the condition appears on the notice of development consent until the payment is received.

A Subdivision Certificate, Occupancy Certificate, Complying Development Certificate or, where so conditioned, the approval of a Section 68 Application, will not be issued until the conditions of the Certificate of Compliance have been fulfilled.

Dispute resolution procedures are discussed in the 2016 *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater*. CCH is not a member of the Electricity and Water Ombudsman.

Payment of developer charges must be made in the form of a cash payment to CCH.

2.4 Review

The developer charge relating to this DSP document will be reviewed within 4 to 8 years. A shorter review period may be appropriate if a major change in circumstances occurs.

If the review indicates that the developer charge in the DSP remains valid, the DSP will apply for a further five years after CCH releases a public notice to this effect. However, if it is considered that a new DSP is warranted, a new DSP shall be prepared, audited, exhibited and registered.

2.5 Indexation

In the period between any review, developer charges will be adjusted quarterly (using the quarterly CPI (All Groups) for Sydney), excluding the impact of GST.

2.6 Exemption

Under section 306 (4) and (5) of the *Water Management Act 2000*, the Minister for Planning may make a determination in regard to developer charges levied on Crown development. Crown developments for essential community services (education, health, community services, and law and order) are exempt from general developer charges. Water utilities may charge these developments only for that portion of the direct connection cost (e.g. for a lead-in main) relating to Crown development.

CCH may also apply other exemptions for developer charges.

3. LAND USE PLANNING

3.1 Growth Projections

Growth projections have been developed for future development within the water supply area as part of the *Coffs Harbour Water Supply Master Plan* (GHD, 2023) presented as the number of water supply ETs. An ET is the demand that a development will have on infrastructure in terms of the water consumption for an average residential dwelling. The current average demand is 190 kL/a (GHD, 2023) which represents 1 ET.

Table 2: Growth projections

Year	Total number of water supply ETs
1996	19,513
2000	21,263
2005	23,444
2010	25,625
2015	27,806
2020	29,987
2024	34,619
2025	36,017
2030	40,217
2035	44,239
2040	48,260
2045	52,282
2050	56,303
2053	58,863

Source: 1996 – 2020: de Groot & Benson (1999); 2021 – 2052: GHD (2022)

3.2 Land Use Information

This DSP should be read in conjunction with the CCH Local Environmental Plan and Development Control Plans.

4. WATER SUPPLY INFRASTRUCTURE

The CCH water supply system supplies water to consumers from Sawtell in the south to Corindi Beach in the north and west to Nana Glen (Figure 1). The system is supplied from the Karangi water treatment plant (WTP) which is fed from the Karangi dam. Karangi dam is filled from either Cohcrane's pool on the Orara River or the Regional Water Supply Scheme (Nymboida weir or Shannon Creek dam) in the Clarence Valley Council area. Treated water from the Karangi WTP is pumped to the Red Hill balancing tanks which feed a series of reservoirs supplying the townships. Nana Glen and Coramba were connected to the CCH regional water supply system in 2023.

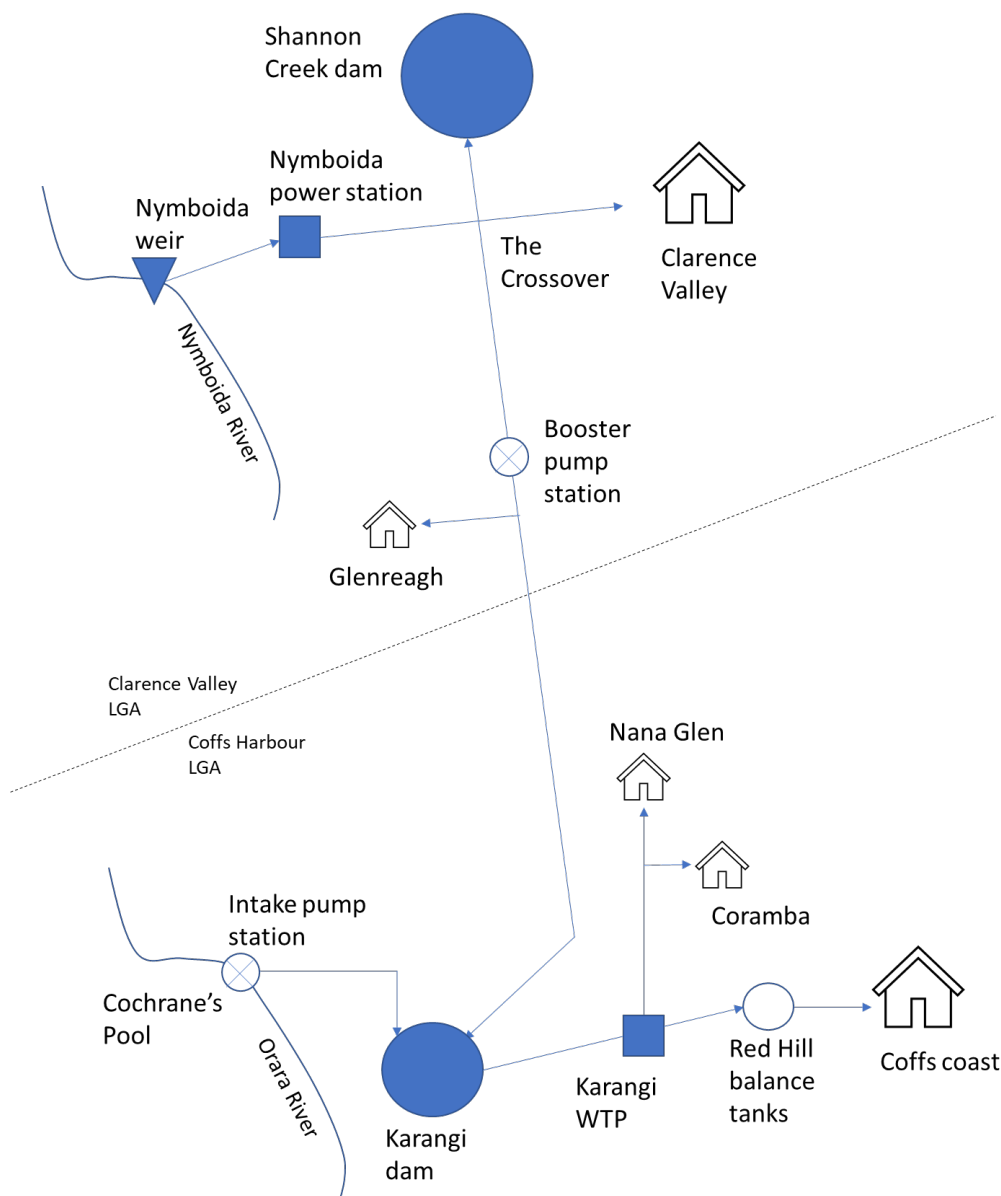


Figure 1: Water supply overview

4.1 Existing Assets

All existing assets servicing the water supply area are included in the capital charge calculations except for the following:

- Assets which will be more than 30 years old at the commencement of the DSP (i.e. commissioned pre-1993). The exception is headworks assets that are more than 30 years old but are critical water supply assets required to provide firefighting flows and alternative feeds into the supply areas. These headworks asset have been designed with capacity to service the future development expected within the DSP period. These include dams, treatment plants, trunk mains, reservoirs and pump station assets. This is considered equitable as new development will contribute to the cost of the headworks assets.
- Assets which are unlikely to be fully utilised over the planning horizon for calculating developer charges.
- Reticulation assets which are typically paid for directly by developers.
- Gifted assets which were built by developers and later transferred to CCH.

Existing assets have been valued on the basis of Modern Engineering Equivalent Replacement Asset (MEERA) excluding contingencies. The existing assets servicing the area covered by the DSPs are listed in the DSP Background Document (Appendix 3).

4.2 Future Capital Works

The CCH capital works program is developed and reviewed annually through asset management planning (review of asset capacity, level of service and asset renewal requirements) as part of the NSW Department of Planning and Environment Regulatory Framework for Local Water Utilities. Future assets have been valued on the basis of MEERA including contingencies.

The DSP includes 10 years (2024 – 2033) of future capital works where these works will service the growth areas or where existing assets that service the growth areas will require replacement within 10 years (and the original asset has not been included in the calculation). Where possible, the construction of new assets servicing a development has been timed to match expected staging of the development. Similarly, the timing of the replacement of these assets has been estimated from the predicted remaining life and renewal requirements.

Capital works of \$190 million (2023\$) will be required over the next 30 years (between 2024 and 2053) to provide water supply services. The future capital works included in the DSP are required for servicing of growth as well as renewal of assets over the next 10 years. The timing and expenditure for water supply capital works serving the area covered by this DSP are shown in the DSP Background Document (Appendix 3). Works to improve levels of service for existing customers are not included in the DSP. Any capital works in addition to those identified in this plan will be funded by developers.

4.3 Reticulation Works

The developer shall be responsible for the full cost of the design and construction of water supply reticulation works within the proposed development/ subdivision and up to the nominated point of connection to Council mains which may be outside the proposed development.

5. LEVELS OF SERVICE

Water supply system design and operation are based on providing the levels of service documented below. The LOS applied to CCH's water supply systems are the targets that CCH aims to achieve. They are not a customer contract.

Objective: Water delivery by Council meets the Levels of Service as documented below.

Performance Target: Nil cases of non-compliance

Strategy/Actions:

- These Levels of Service are communicated to the end users.
- These Levels of Service are adopted by Council.
- These Levels of Service are targeted as minimum levels of service to be achieved by Council in the planning, operating and maintenance of its water supply system.

Performance Indicators:

Availability:

- Minimum pressure (residential) at boundary: 20m head.
- Minimum pressure (non-residential) at boundary: 25m head.
- Maximum pressure: 60m head.

(Note: due to topography some customers will have pressures lower or higher than the above).

- Water restrictions to adopt the 5/10/10 rule (i.e. maximum of 5% of time on restrictions, occurrence every 10 years and 10% reduction in usage during restrictions).
- Domestic peak daily demand: 1,040 L/ET/day.
- Domestic average daily demand: 520 L/ET/day.
- Non-chargeable water loss: 8.5%.
- Maximum head loss in reticulation mains $\leq$ DN150: 5 m/km.
- Maximum head loss in trunk mains $\geq$ DN200: 3 m/km.
- Maximum allowable velocity: 2.5 m/sec.

Fire compliance:

- Minimum flow for domestic hydrants: 10 L/s @ 15 m head for 4-hour duration, 95% demand conditions.
- Minimum flow from non-domestic hydrants: 30 L/s @ 15 m head for 4-hour duration for new connections, 20 L/s @ 15 m head for 4-hour duration for existing customers, 95% demand conditions.

Quality:

- Tests compliant with Australia Drinking Water Guidelines: 100%.

Customer complaints:

- Water quality complaints per year: < 10.
- General water complaints per 1,000 connections: < 10.
- Response to verbal inquiry: 1 day.
- Response to written inquiry: 10 days.

Supply interruption and response times:*Planned outages:*

- Notice to Customers: 3 days (residential), 7 days industrial/commercial.
- Maximum duration: 24 hrs.
- Frequency: 2 per 1,000 connections per year.

Unplanned outages:

- Maximum duration: 4 hours.
- Number per year: 30 per 1,000 connections per year.
- Main breaks per 100 km: National median.
- Response time to incidents: 2 hours (normal hours), 4 hours (after hours).

6. DESIGN PARAMETERS

Investigation, design and construction of water supply components are based on:

- CCH's levels of service and asset management planning.
- *Water Supply Investigation Manual* (1986).
- Water Services Association of Australia water supply codes and standards.
- Council's standard drawings and specifications.

7. DEVELOPER CHARGES METHODOLOGY

Developer charges are up-front charges levied to recover part of the infrastructure costs incurred in servicing new developments or additions/changes to existing developments. Developer charges serve two related functions:

- They provide a source of funding for infrastructure required for new urban development.
- They provide signals regarding the cost of urban development and thus encourage less costly forms and areas of development.

The developer charges calculation is based on the net present value (NPV) approach adopted by the Independent Pricing and Regulatory Tribunal (IPART) for the metropolitan water utilities. The fundamental principle of the NPV approach is that the investment in assets for serving a development area is fully recovered from the development. The investment is recovered through up-front charges (i.e. developer

charges) and the present value (PV) of that part of annual bills received from the development in excess of operation, maintenance and administration (OMA) costs.

$$\text{Developer Charge} = \text{Capital Charge (cost of providing the assets)} - \text{Reduction Amount (cost recovered through annual bills)}.$$

In setting the developer charges, CCH may consider financial, social and environmental factors to determine a level of developer charges that is balanced, fair and meet CCH's objectives.

The capital charge and reduction amount are discussed further in the following sections. The developer charges process is described fully in the 2016 *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater*.

7.1 Capital Charge

The capital charges were calculated for CCH water supply service areas based on the existing and future assets providing the services in this area. The capital charge is calculated by dividing the present value (PV) of the cost of the assets by the PV of the number of new ETs.

The capital charge represents the efficient capital cost of assets used in providing water related services in a DSP area. This includes the cost of both existing and future assets that will be used to service the DSP area. In addition, because local water utilities provide the upfront funding for constructing these assets, the capital charge also includes a commercial return on this investment.

7.2 Reduction Amount

The reduction amount represents the portion of the cost of assets that CCH expects to recover through water supply revenue. CCH has adopted the NPV of annual bills method to calculate the reduction amount. This method calculates the reduction amount as the NPV for 30 years of the future net income from water supply charges (revenue from user charges less operation, maintenance and administration costs) for the CCH development areas.

8. DEVELOPER CHARGE CALCULATION

The capital charge, reduction amount and developer charge for the water supply area covered by this DSP are shown in the following tables. The charges are shown in 2023\$ and indexed values will be applicable from 1 January 2024. CCH will apply the maximum developer charge with no cross-subsidy payable by existing customers.

Capital charge, agglomeration and reduction amount calculations for each service area are shown in Appendix 3.

Table 3: Capital charge and developer charge – water supply (2023\$)

DSP Area	Capital Charge (\$ per ET)	Reduction Amount (\$ per ET)	Calculated Maximum Developer Charge (\$ per ET)	Proposed Developer Charge (\$ per ET)
Water supply area	\$21,454	\$4,061	\$17,393	\$17,828

Table 4: Reduction amount – water supply (2023\$)

Year	Total ETs	New ETs	Net income from new ETs (\$)¹
2023	33,220		
2024	34,619	1,399	461,642
2025	36,017	1,399	923,283
2026	36,857	840	1,200,565
2027	37,697	840	1,477,847
2028	38,537	840	1,755,130
2029	39,377	840	2,032,412
2030	40,217	840	2,309,694
2031	41,021	804	2,575,191
2032	41,826	804	2,840,689
2033	42,630	804	3,106,187
2034	43,434	804	3,371,684
2035	44,239	804	3,637,182
2036	45,043	804	3,902,679
2037	45,847	804	4,168,177
2038	46,651	804	4,433,675
2039	47,456	804	4,699,172
2040	48,260	804	4,964,670
2041	49,064	804	5,230,167
2042	49,869	804	5,495,665
2043	50,673	804	5,761,162
2044	51,477	804	6,026,660
2045	52,282	804	6,292,158
2046	53,086	804	6,557,655
2047	53,890	804	6,823,153
2048	54,694	804	7,088,650
2049	55,499	804	7,354,148
2050	56,303	804	7,619,646
2051	57,144	841	7,897,154

Year	Total ETs	New ETs	Net income from new ETs (\$)¹
2052	57,997	853	8,178,807
2053	58,863	866	8,464,665
<i>Present value</i>		<i>14,327</i>	<i>58,184,855</i>
<i>Reduction amount (\$ per ET)</i>			<i>4,061</i>

1. Calculated from CCH water supply performance indicator data for the whole CCH water supply system.

9. OTHER DSPS AND RELATED CONTRIBUTION PLANS

This DSP should be read in conjunction with the following documents:

- The City's Contributions Plans.
- The City's Wastewater DSP.

REFERENCES

de Groot and Benson (1999) *Coffs Harbour Water Supply Strategy Study*.

DPI Water (2016) *Developer Charges Guidelines for Water Supply Sewerage and Stormwater*.

GHD (2023) *Coffs Harbour Water Supply Master Plan – Potable Water Supply Network 2021 Master Planning and Network Modelling*. May 2023.

Water Directorate (2017) *Section 63 Determinations of Equivalent Tenement Guidelines*.

GLOSSARY AND ABBREVIATIONS

CCH	City of Coffs Harbour
CPI	consumer price index
DSP	Development Servicing Plan
ET	equivalent tenement
IPART	NSW Independent Pricing and Regulatory Tribunal
Kilolitre (kL)	1,000 litres
LWU	Local Water Utility
MEERA	Modern Engineering Equivalent Replacement Asset
ML	megalitre (1,000,000 litres, or 1,000 kilolitres)
NPV	net present value
OMA	operation, maintenance and administration (cost)
p.a.	per annum
PV	present value. The current value of future money or ETs

APPENDIX 1 DSP AREA MAPS

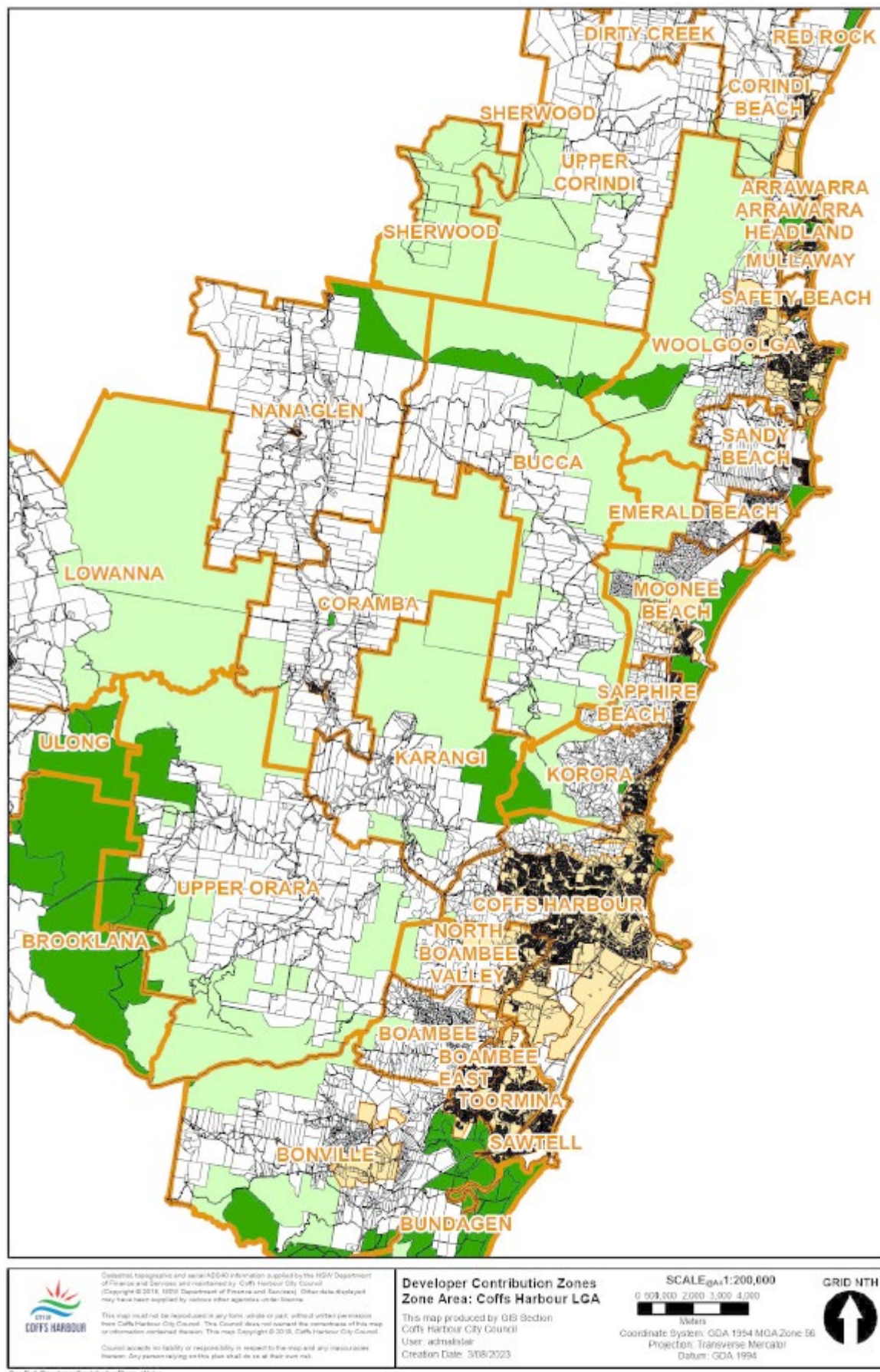


Figure 2: DSP area – overview map

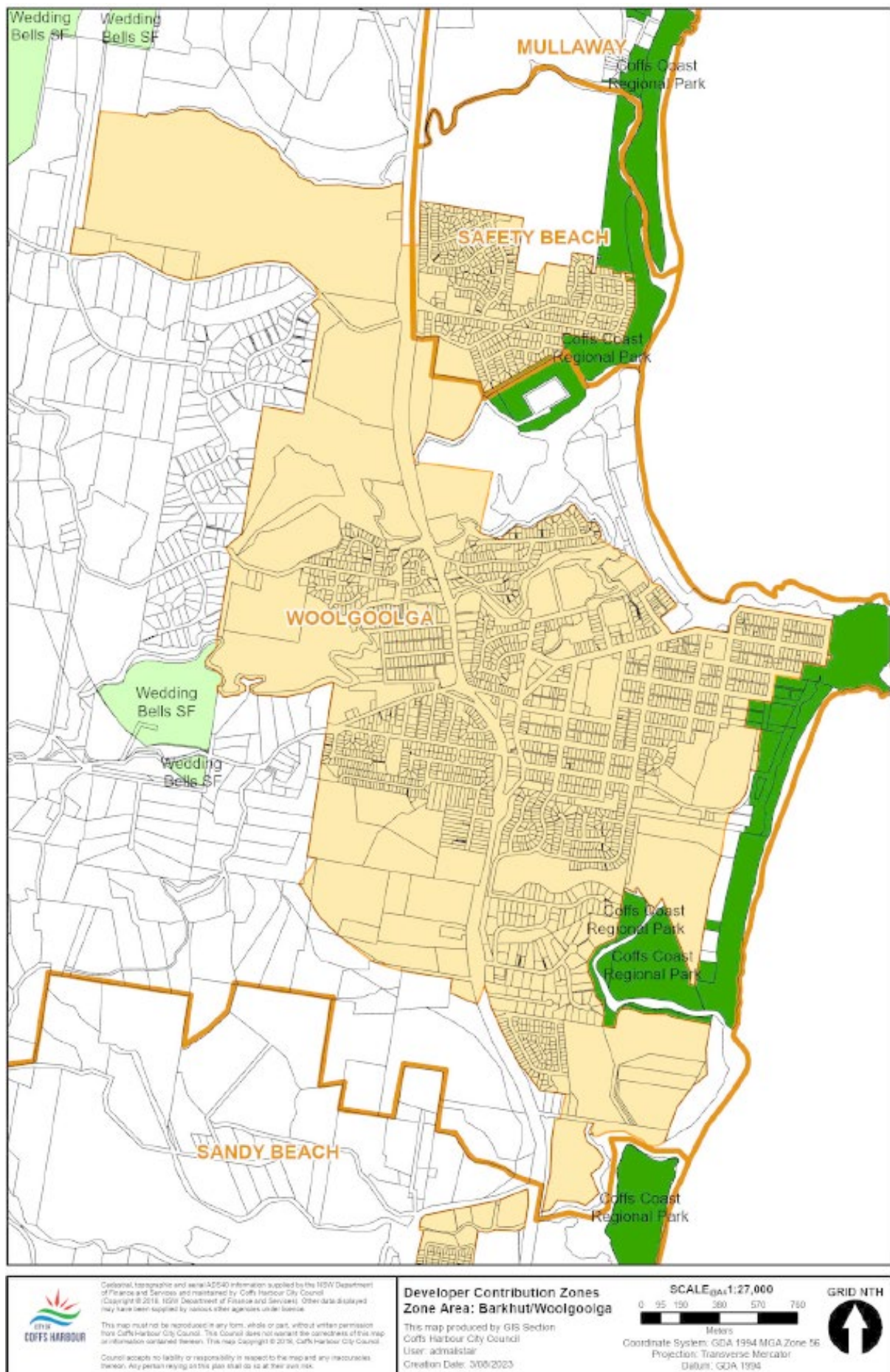


Figure 3: DSP area – Barkhut/ Woolgoolga

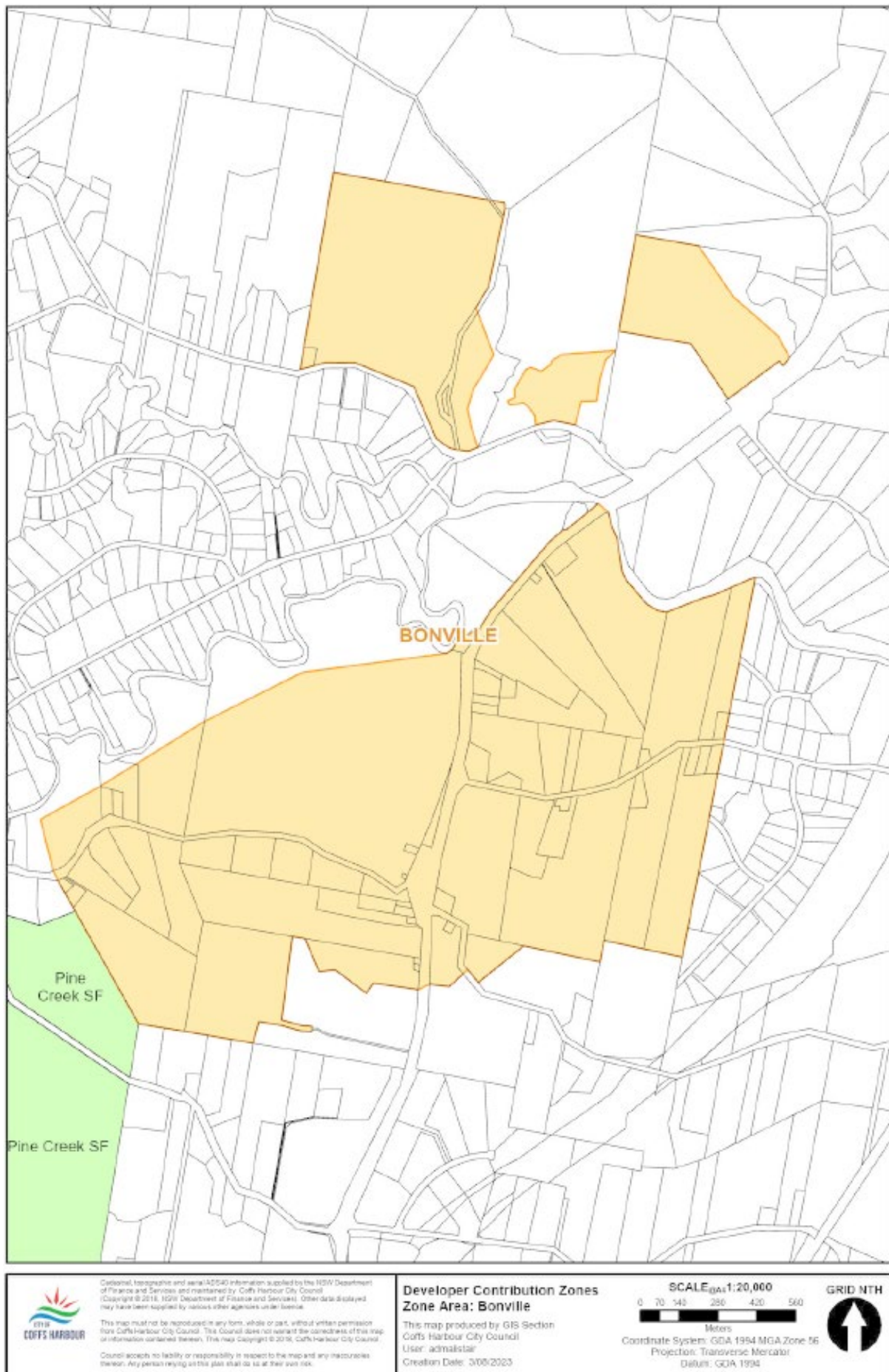


Figure 4: DSP area – Bonville

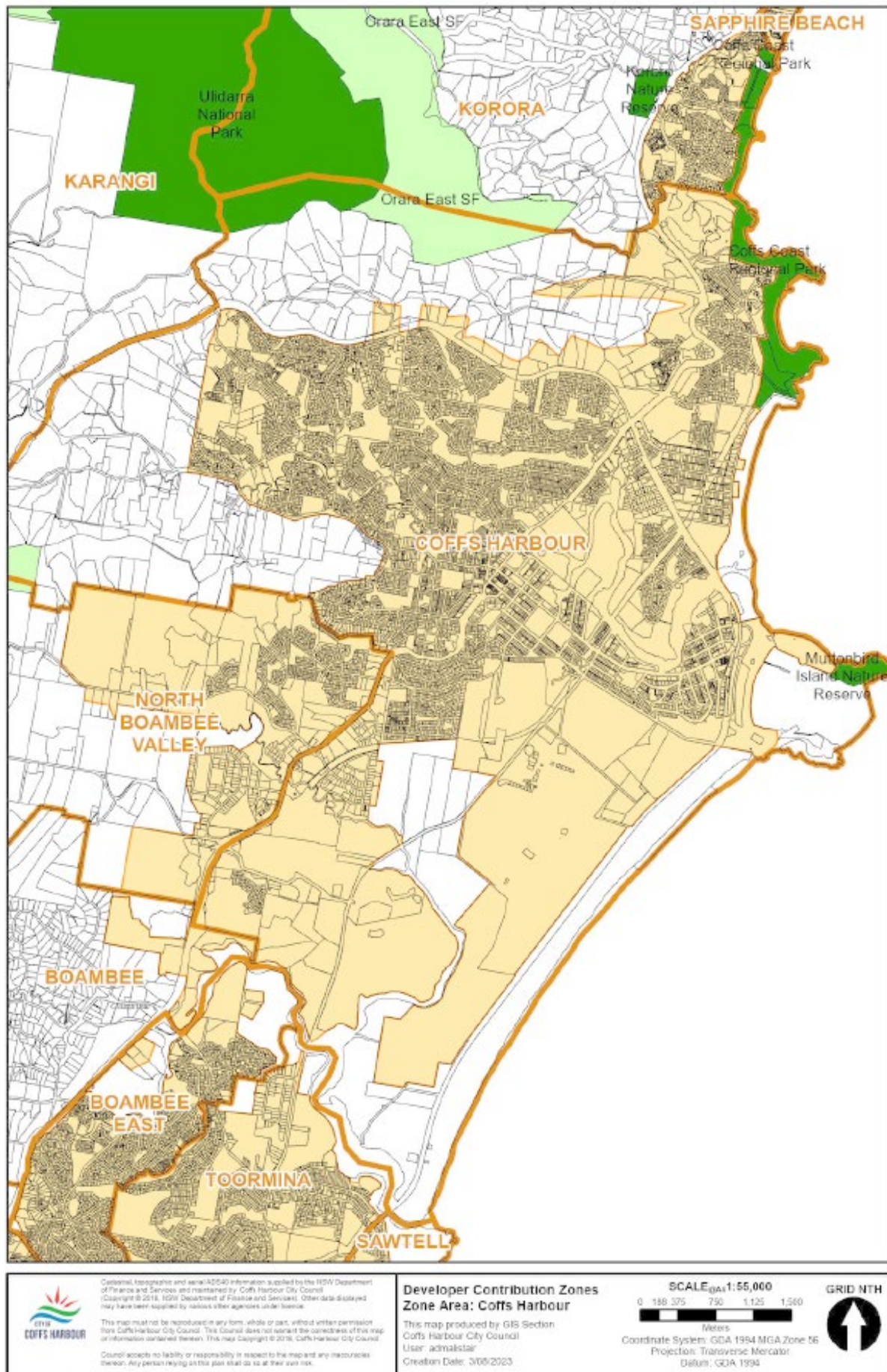


Figure 5: DSP area – Coffs Harbour

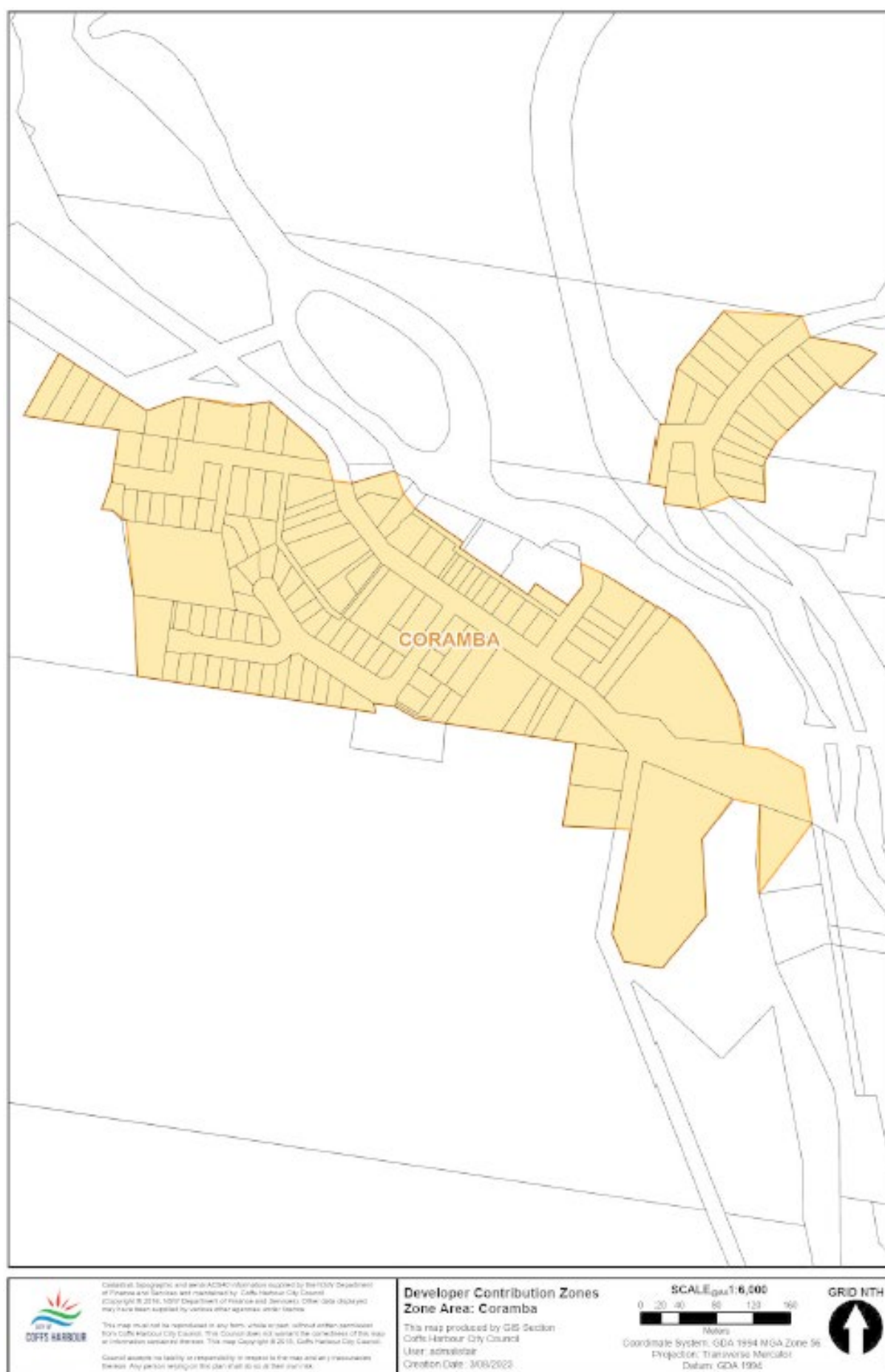


Figure 6: DSP area – Coramba

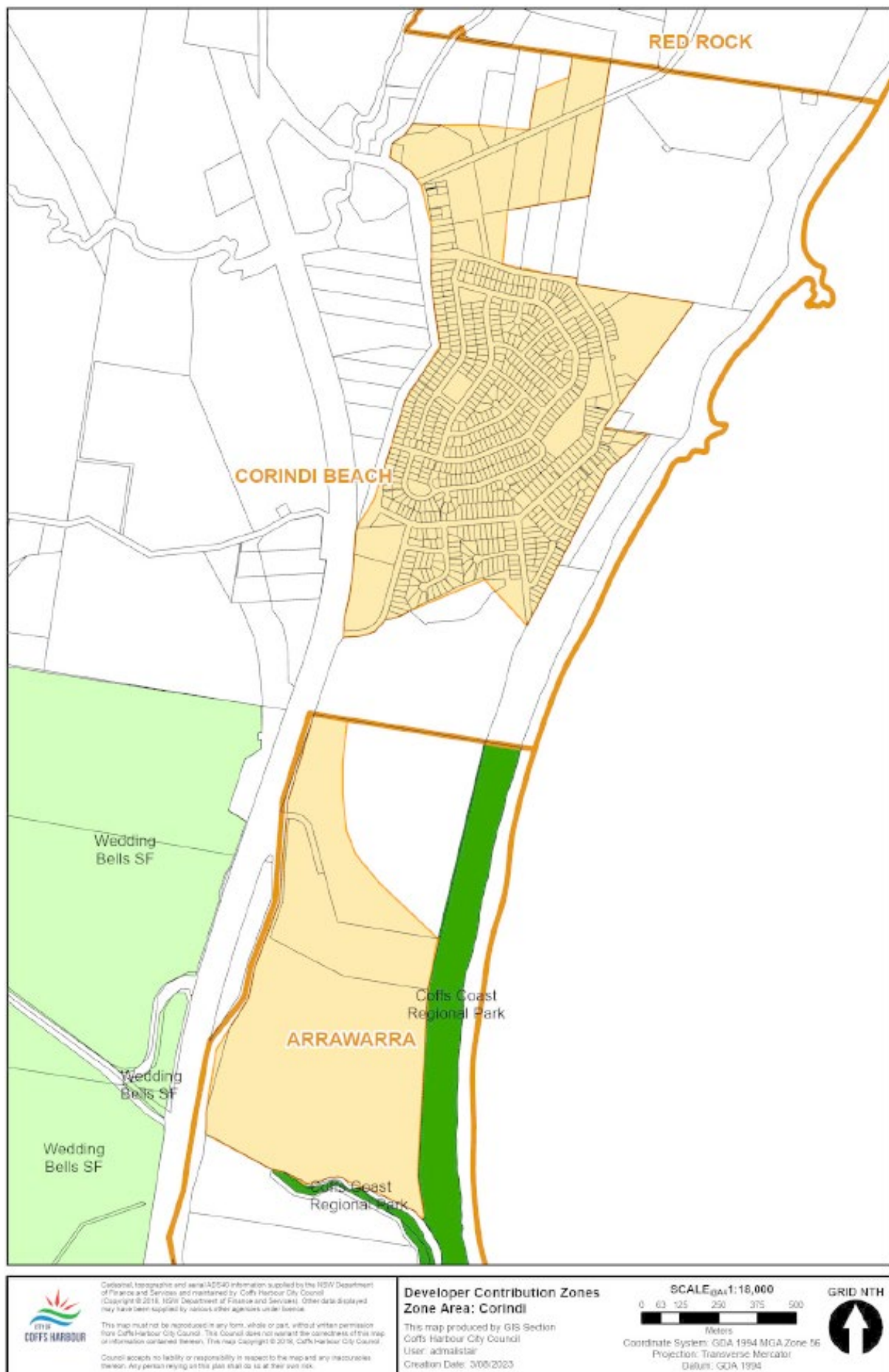


Figure 7: DSP area – Corindi



Figure 8: DSP area – Emerald

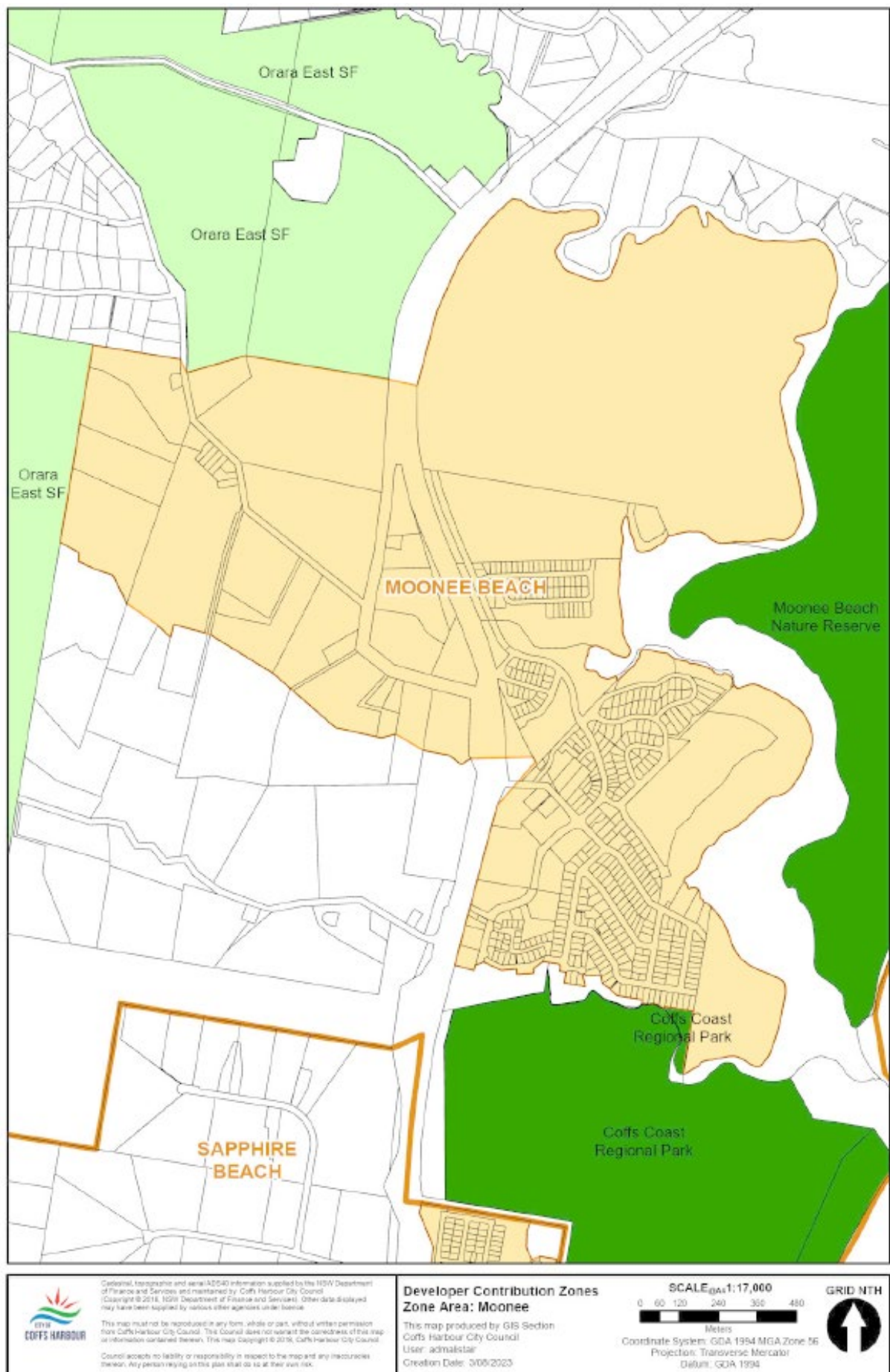


Figure 9: DSP area – Moonee



Figure 10: DSP area – Mullaway

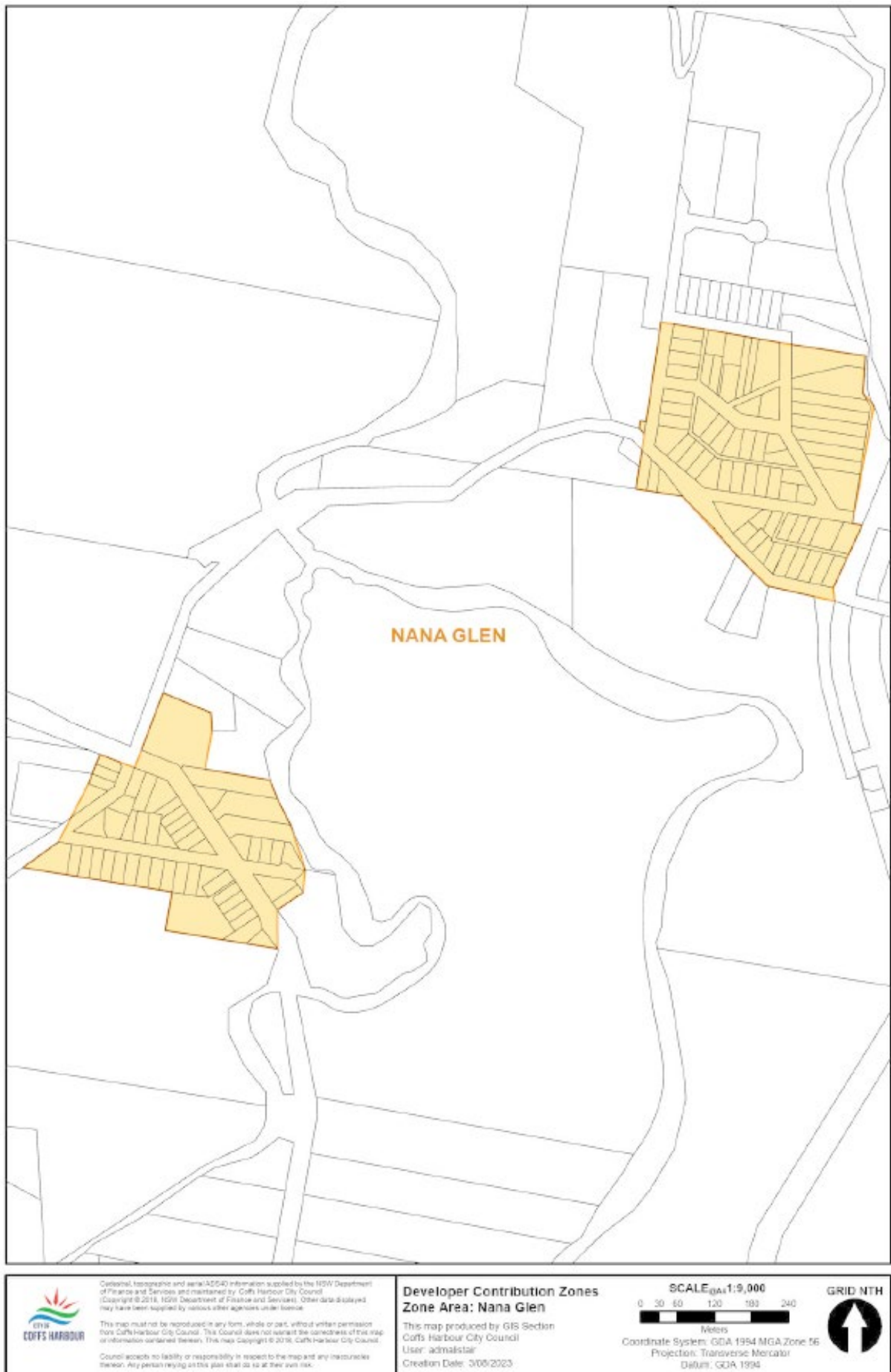


Figure 11: DSP area – Nana Glen

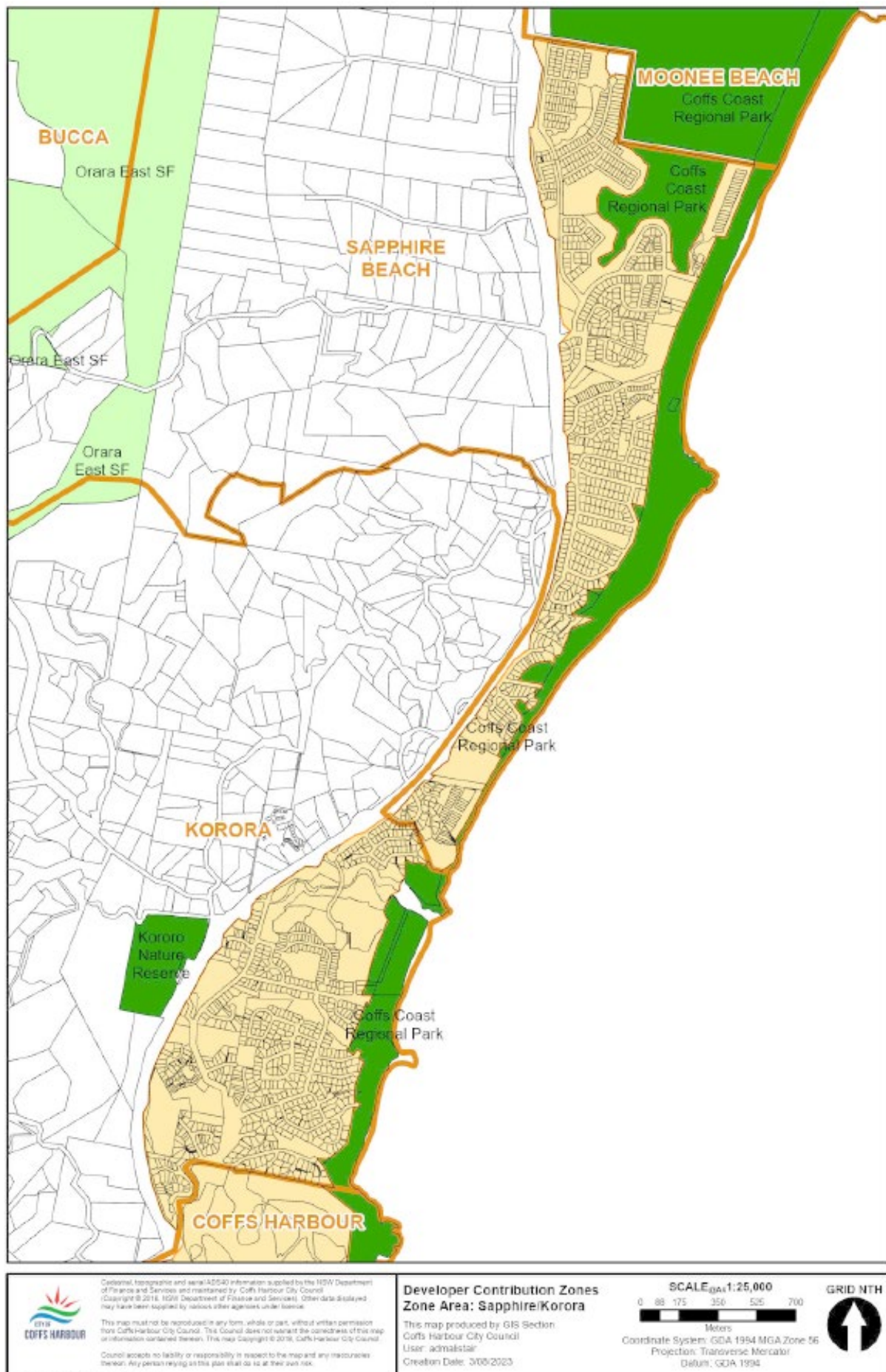


Figure 12: DSP area – Sapphire/ Korora

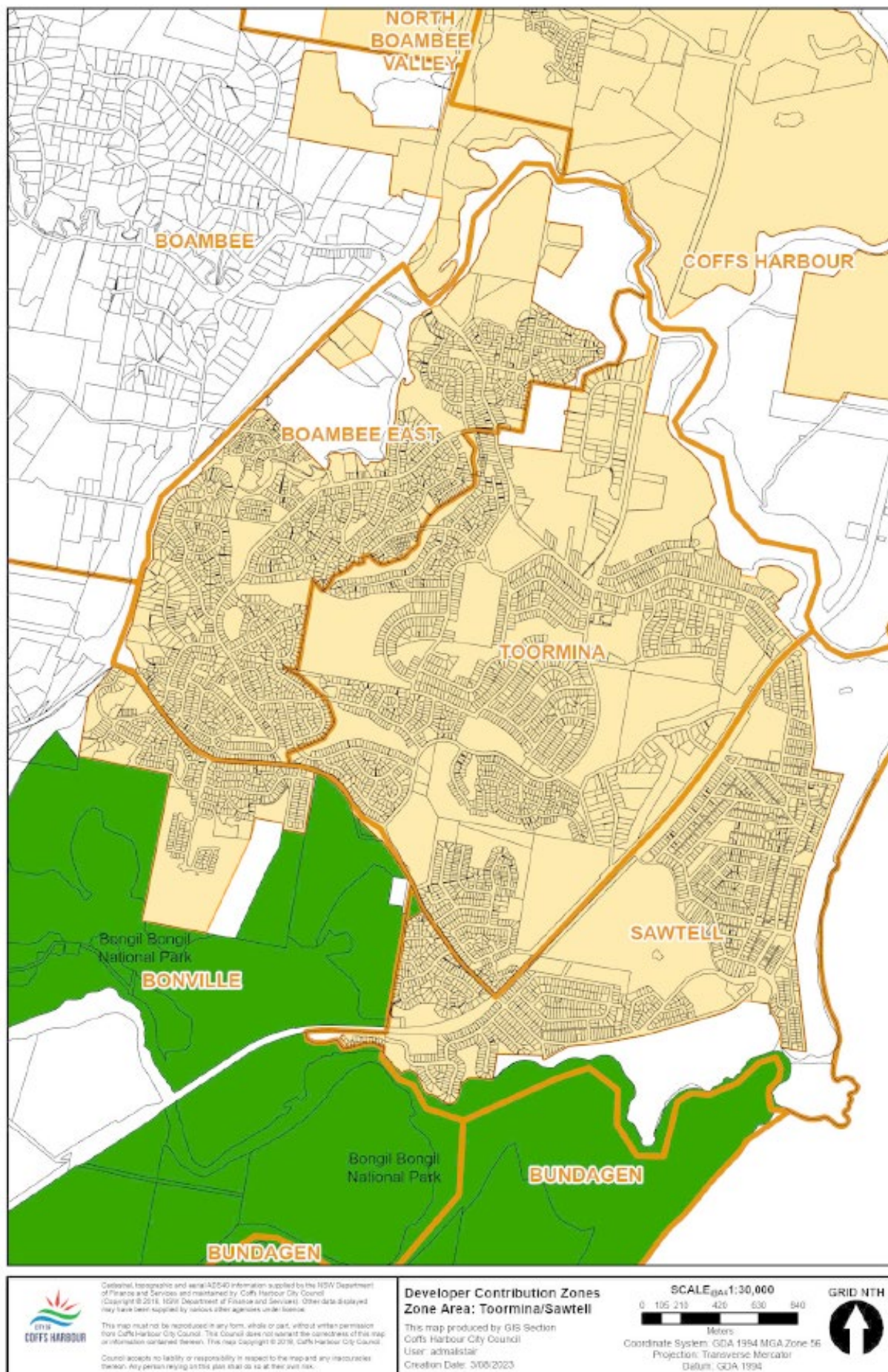


Figure 13: DSP area – Sawtell/ Toormina

APPENDIX 2 STANDARD ET TABLES

Extract from Water Directorate (2007) *Section 63 Determinations of Equivalent Tenement Guidelines*:

1 standard ET = town water usage of 540 L/ET/day and sewage dry weather flow loading of 450 L/ET/day for residential properties.

Table 5: Standard ET figures – residential user categories

CATEGORY	STANDARD UNIT	SUGGESTED VALUES	
		WATER ET	SEWER ET
Single Residential Lots (House)			
Standard Residential Lot (450m ² - 2000m ²)	Lot	1.00	1.00
Small Residential Lot (< 450m ²)	Lot	Use Units	
Large Residential Lot (> 2000m ²)	Lot	1.20	1.00
Multi-Residential Lots (Medium Density 1 - 2 Storey)			
Dual Occ - 1 bedroom	Dwelling	Use Units for Lot Size of < 450m ² / dwelling or Standard Residential Lot for Lot Size > or = 450m ² / dwelling	
Dual Occ - 2 bedroom	Dwelling		
Dual Occ - 3 bedroom (or more)	Dwelling		
Duplex - 1 bedroom	Dwelling		
Duplex - 2 bedroom	Dwelling		
Duplex - 3 bedroom (or more)	Dwelling		
Units - 1 bedroom	Dwelling	0.40	0.50
Units - 2 bedroom	Dwelling	0.60	0.75
Units - 3 bedroom (or more)	Dwelling	0.80	1.00
Multi-Residential Lots (High Density)			
Multi Storey Apartments (1 bedroom)	Dwelling	0.33	0.50
Multi Storey Apartments (2 bedroom)	Dwelling	0.50	0.75
Multi Storey Apartments (3 or more bedroom)	Dwelling	0.67	1.00

Table 6: Standard ET figures – commercial user categories

CATEGORY	STANDARD UNIT	SUGGESTED VALUES		COMMENTS
		WATER ET	SEWER ET	
ACCOMMODATION (PERMANENT)				
Nursing Home / Special Care Home	Bed	0.50	0.75	Unchanged in 2017 edition. Limited medical facilities, communal kitchen / laundry
Self-Care Retirement Units / Villas	-	Use Residential Units		Internal kitchen / laundry facilities
Self-Care Retirement - Serviced Unit (Onsite)	-	Use Nursing Homes		No internal kitchen / laundry facilities
Self-Care Retirement - Serviced Unit (Offsite)	Bed	0.30	0.45	No internal kitchen / laundry facilities
Boarding House	Bed	0.33	0.50	Communal kitchen / laundry
Caravan / Mobile Home Park (1 br)	Van	0.40	0.50	
Caravan / Mobile Home Park (2 br)	Van	0.60	0.75	Use if number of rooms unknown
Caravan / Mobile Home Park (3 br)	Van	0.80	1.00	
ACCOMMODATION (SHORT TERM)				
Caravan Park				Peak week loading - use peak occupancy
Camping Site (temporary)	Site	0.50	0.63	Site approx. equivalent to average caravan site
Caravan / Cabin Site (temporary)	Site	0.50	0.63	Also use for on-site caravans / cabins
Bed & Breakfast / Guest House	Room	0.40	0.50	House based with communal kitchen / laundry
Motel / Hotel / Resort Room	Room	0.30	0.45	Consider food prep, entertainment & sporting separately
Backpackers / Hostel	Bed	0.15	0.23	Communal kitchen, small laundry, not serviced
Serviced / Unserviced Apartments	-	Use multi-res lots (high density)		Self contained (if not use motel)
ACCOMMODATION (MEDICAL CARE)				
Hospital	Bed	0.90	1.43	Includes medical facilities
Hostel (Medical)	Bed	0.70	1.11	Includes some medical facilities
Business (Excluding Food Preparation)				
General				
Single Retail Shop	Floor Area m²	0.01	0.01	Reviewed 2017
Supermarket	Floor Area m²	0.00	0.00	Includes minor food preparation
Shopping Centre	-	Insufficient Data		Consider amenities, food prep & specific bus. separately
Offices	Floor Area m²	0.01	0.01	Reviewed 2017
Specific				
Hairdresser / Beauty Salon	Basin	0.50	0.79	
Laundromat	Machine	0.45	0.71	
Medical Centre	Room	0.40	0.63	Based on number of consultation rooms, unchanged in 2017 edition
Plant Nursery	-	Insufficient Data		Consider case by case
Car Yard / Showroom	Floor Area m²	0.00	0.00	
Service Station	Lane	0.60	0.90	
Car Wash (auto wash or self-serve)	Bays or Lanes	5.70	9.03	Unchanged in 2017 edition but with updated standard unit of measure description.
Escort Agency	Room	0.40	0.50	
Animal Boarding	Floor Area m²	Insufficient Data		Consider case by case
Vet or Grooming	Floor Area m²	0.01	0.01	
Self Storage	Floor Area m²	0.00	0.01	Consider office area only

Table 5 (continued): Standard ET figures - commercial user categories

CATEGORY	STANDARD UNIT	SUGGESTED VALUES		COMMENTS
		WATER ET	SEWER ET	
FOOD PREPARATION				
General				
Restaurant / Café	Floor Area m ²	0.01	0.01	
Take Away / Fast Food (no amenities)	Floor Area m ²	0.02	0.02	Unchanged in V2 review. Also use for general food preparation
Take Away / Fast Food (including amenities)	Floor Area m ²	0.03	0.05	Unchanged in V2 review.
Catering	Floor Area m ²	0.02	0.02	
Specific				
Bakery	-	Insufficient Data		Use Take Away / Fast Food (non amenities)
Butcher	-	Insufficient Data		Use Take Away / Fast Food (non amenities)
Fishing Co-op	-	Insufficient Data		Use Take Away / Fast Food (non amenities)
ENTERTAINMENT				
Licensed Club	Floor Area m ²	Insufficient Data		Separate into Food Preparation, Entertainment, Amenities
Pub / Bar	Floor Area m ²	0.03	0.05	Consider food preparation area separately
Cinema / Theatre / Public Entertainment	-	Insufficient Data		Use Food Preparation & Amenities
Function / Conference Centre	-	Insufficient Data		Use Food Preparation & Amenities
Marina	Berth	0.60	0.90	
SPORTING/SPECTATOR FACILITIES				
General				
Amenities & Indoor Facilities	-	Insufficient Data		Use Food Preparation & Amenities
Specific				
Hockey Field (artificial surface)	-	Insufficient Data		Consider case by case
Bowling Alley	Lane	0.35	0.55	
Bowling Green	-	Insufficient Data		Separate into Food Preparation, Amenities, Irrigation
Swimming Pool - Indoor	ML	Insufficient Data		Consider case by case
Swimming Pool - Outdoor	ML	Insufficient Data		Consider case by case
COMMUNITY FACILITIES				
Child Care Centre / Pre-school	Person	0.06	0.10	
Education - School (primary & secondary)	Person	0.03	0.05	
Education - College, University (tertiary)	Person	0.02	0.02	Consider Food Preparation separately
Correctional Centre	Person	0.50	0.75	
Church / Place of Worship	-	Insufficient Data		Use Food Preparation & Amenities
Community Centre / Hall	-	Insufficient Data		Use Food Preparation & Amenities
Parks / Gardens / Reserves (Irrigation)		Insufficient Data		Consider case by case
Public Amenities Block (per shower)	Shower	0.40	0.63	Unchanged in V2 review.
Public Amenities Block (per wc)	wc	0.40	0.63	Unchanged in V2 review.

Table 7: Standard ET figures – industrial user categories

CATEGORY	STANDARD UNIT	SUGGESTED VALUES	
		WATER ET	SEWER ET**
INDUSTRIAL GENERAL			
Light Industrial	Gross Ha	15	15
Future Unknown - Light	Gross Ha	15	15
Future Unknown - Med	Gross Ha	30	30
Future Unknown - Heavy	Gross Ha	50	50
* For industrial categories that have process water, it is suggested that a non-typical development ET is determined based on the methodology in Section 6.3 of the guidelines.			
** Additional ET figures for sewer have been included on Table 4, for a large range of detailed subcategories. These figures are provided for background information and should only be used as a general guide or where actual consumption data cannot be obtained.			

Gross Ha = total land area of zone

APPENDIX 3 DSP BACKGROUND DOCUMENT

Table 8: Existing water supply assets included in the capital charge (2023 \$)

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
55994	Resort Drive	150	1998	\$99,603
65173	Schofield Drive	150	1975	\$39,711
65175	Schofield Drive	150	1975	\$13,020
65176	Schofield Drive	150	1975	\$48,825
65177	Schofield Drive	150	1975	\$11,067
65179	Schofield Drive	150	1975	\$38,409
65180	Schofield Drive	150	1975	\$85,932
65225	Solitary Islands Way	150	1984	\$120,435
65226	Solitary Islands Way	150	1984	\$32,550
65227	Bark Hut Road	150	1984	\$280,581
65228	Safety Beach Drive	150	1984	\$7,812
65229	St Andrews Drive	150	1975	\$225,897
65246	Solitary Islands Way	150	1979	\$156,891
65247	Solitary Islands Way	150	1979	\$569,625
65289	Lindsays Road	250	1996	\$12,337
65290	Lindsays Road	250	1996	\$80,730
65291	Lindsays Road	250	1996	\$39,330
65292	Lindsays Road	250	1996	\$71,415
65307	Isles Drive	150	1994	\$55,986
65308	Isles Drive	150	1994	\$18,228
65316	Isles Drive	150	1990	\$24,738
65341	Robin Street	450	1975	\$617,768
65343	West High Street	250	1975	\$525,780
65344	West High Street	250	1975	\$15,525
65345	West High Street	250	1975	\$24,840
65349	West High Street	200	1976	\$14,246
65350	West High Street	200	1976	\$31,006
65351	Cox Lane	250	1970	\$28,980
65352	Cox Lane	250	1970	\$200,790
65353	Elbow Street	250	1970	\$94,185
65354	Coff Street	250	1970	\$73,485
65355	Grafton Street	250	1970	\$16,560
65356	Grafton Street	250	1985	\$42,435
65360	Beryl Street	225	1972	\$11,076
65361	Beryl Street	225	1972	\$31,382
65362	Grafton Street	225	1970	\$150,449
65363	Grafton Street	225	1970	\$135,681
65364	Grafton Street	225	1970	\$20,306

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
65365	Woolgoolga Road	200	1976	\$20,112
65367	Woolgoolga Road	200	2018	\$25,978
65368	Woolgoolga Road	200	1997	\$219,556
65369	Orlando Street	225	1971	\$39,689
65371	Orlando Street	225	1994	\$26,767
65373	Orlando Street	225	1988	\$19,383
65374	Orlando Street	225	1988	\$113,529
65375	Orlando Street	225	1988	\$22,152
65376	Orlando Street	225	1988	\$251,056
65377	Orlando Street	225	2001	\$23,075
65378	Orlando Street	225	2001	\$123,682
65379	Orlando Street	225	1977	\$21,229
65380	Orlando Street	225	1977	\$147,680
65381	Ocean Parade	200	1977	\$27,654
65383	Orlando Street	200	1977	\$256,428
65384	Orlando Street	200	1977	\$16,760
65389	Ocean Parade	225	1981	\$137,066
65391	Ocean Parade	300	1972	\$388,410
65393	Ocean Parade	300	1972	\$147,125
65395	Boulthwood Street	300	1975	\$32,956
65396	Boulthwood Street	300	1975	\$244,816
65397	York Street	300	1975	\$164,780
65398	York Street	300	1975	\$21,186
65399	Park Beach Road	300	1975	\$20,009
65400	Park Beach Road	300	1975	\$334,268
65401	Park Beach Road	300	1975	\$298,958
65402	Park Beach Road	300	1975	\$105,930
65403	Walter Morris Close	300	1975	\$136,532
65404	Walter Morris Close	300	1975	\$110,638
65406	West High Street	200	1976	\$4,190
65407	West High Street	200	1976	\$16,760
65409	Gallipoli Road	375	1976	\$121,720
65413	Joyce Street	375	1976	\$22,912
65414	Joyce Street	375	1976	\$34,368
65415	Joyce Street	375	1976	\$610,032
65417	Shephards Lane	200	1992	\$16,760
65418	Shephards Lane	200	1992	\$123,186
65427	Coramba Road	200	1991	\$350,284
65428	Coramba Road	200	1991	\$227,098
65429	Griffith Avenue	200	1989	\$58,660
65430	Griffith Avenue	200	1989	\$20,112
65431	Griffith Avenue	200	1989	\$58,660

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
65432	Griffith Avenue	200	1989	\$23,464
65433	Donn-Patterson Drive	200	1989	\$337,714
65434	Donn-Patterson Drive	200	1989	\$25,978
65435	Donn-Patterson Drive	200	1989	\$264,808
65436	Charlesworth Bay Rd	200	1989	\$16,760
65437	Charlesworth Bay Rd	200	1989	\$129,890
65438	Firman Drive	200	1984	\$87,152
65445	Pacific Highway	225	1997	\$48,919
65446	Island View Close	225	1980	\$57,226
65447	Island View Close	225	1980	\$35,997
65448	Island View Close	225	1980	\$101,530
65450	Arthur Street	250	1979	\$183,195
65451	Gerard Drive	600	1977	\$1,204,967
65460	Shephards Lane	300	1992	\$131,824
65462	Bay Drive	200	1988	\$32,682
65464	Bolwarra Road	200	1986	\$15,084
65465	Bolwarra Road	200	1986	\$45,252
65478	Coramba Road	300	1990	\$29,425
65486	Pacific Highway	250	1997	\$44,505
65487	Pacific Highway	250	1997	\$12,420
65488	Pacific Highway	250	1997	\$32,085
65489	Pacific Highway	250	1997	\$41,400
65490	Pacific Highway	250	1997	\$8,280
65491	Pacific Highway	375	1997	\$74,464
65492	Pacific Highway	375	1997	\$60,144
65493	Pacific Highway	375	1997	\$123,152
65494	Pacific Highway	375	1997	\$322,200
65504	Mastracolas Road	250	1997	\$31,754
65509	Mastracolas Road	150	1999	\$21,737
65510	Mastracolas Road	150	1999	\$13,020
65511	Mastracolas Road	150	1999	\$59,892
65513	Gerard Drive	150	1999	\$61,194
65523	Loaders Lane	600	1985	\$30,730
65524	Red Cedar Drive	600	1989	\$1,167,740
65544	Pitt Street	200	1962	\$314,250
65551	Peterson Road	200	1962	\$73,744
65552	Pacific Highway	200	1962	\$77,096
65553	Pacific Highway	200	1962	\$13,408
65555	Pacific Highway	250	1990	\$52,785
65562	Pacific Highway	200	1962	\$14,246
65567	Gailer Drive	250	1986	\$227,700
65568	Combine Street	250	1986	\$423,315

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
65569	West High Street	200	1991	\$20,950
65570	Harbour Drive	200	1991	\$114,806
65574	Albany Street	200	1999	\$20,112
65576	Albany Street	200	2014	\$25,140
65580	Victoria Street	200	1989	\$71,230
65581	Victoria Street	200	1989	\$209,500
65583	Victoria Street	250	1997	\$5,175
65584	Victoria Street	250	1997	\$229,770
65585	Victoria Street	250	1997	\$27,945
65587	McLean Street	250	1973	\$65,205
65588	Grafton Street	250	1973	\$92,115
65589	Market Street	250	2000	\$75,555
65590	Albany Street	250	2000	\$75,555
65592	Albany Street	250	2000	\$12,420
65593	Albany Street	250	2000	\$46,575
65603	Victoria Street	375	1989	\$327,928
65604	Victoria Street	375	1989	\$61,576
65605	Victoria Street	375	1994	\$40,096
65606	Albany Street	375	1989	\$64,440
65607	Albany Street	375	1989	\$264,920
65608	Albany Street	375	1994	\$126,016
65609	Albany Street	300	1994	\$49,434
65610	Hogbin Drive	375	1994	\$817,672
65611	Christmas Bells Road	375	1994	\$75,896
65612	Christmas Bells Road	375	1994	\$106,970
65613	Christmas Bells Road	300	1993	\$1,154,637
65614	Hogbin Drive	200	1993	\$489,937
65616	Hogbin Drive	200	1993	\$581,589
65617	Victoria Street	200	1990	\$214,528
65619	Boambee Street	200	1995	\$166,762
65620	Harbour Drive	200	1995	\$26,816
65621	Harbour Drive	200	1995	\$179,332
65622	Harbour Drive	200	1995	\$68,716
65623	Harbour Drive	200	1995	\$31,006
65624	Raleigh Street	500	1990	\$217,152
65625	Raleigh Street	500	1990	\$38,976
65626	Raleigh Street	500	1990	\$746,112
65627	Aubrey Crescent	500	1991	\$167,040
65628	Aubrey Crescent	500	1991	\$1,284,352
65629	Orlando Street	200	1977	\$268,998
65630	Orlando Street	200	1977	\$29,330
65631	Orlando Street	200	1977	\$103,074

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
65633	Collingwood Street	200	1977	\$24,302
65634	Collingwood Street	200	1977	\$112,292
65635	Collingwood Street	200	1977	\$42,738
65636	Hood Street	200	1977	\$104,750
65637	Harbour Drive	200	1977	\$30,168
65638	Harbour Drive	200	1981	\$68,716
65639	Lyster Street	300	1976	\$294,250
65641	McLean Street	300	1973	\$17,655
65642	McLean Street	300	1973	\$329,560
65643	McLean Street	300	1973	\$21,186
65644	Azalea Avenue	300	1971	\$98,868
65645	Azalea Avenue	300	1971	\$24,717
65646	Azalea Avenue	300	1971	\$176,550
65647	King Street	300	1971	\$535,535
65648	King Street	300	1971	\$38,841
65655	Stadium Drive	200	1998	\$45,445
65661	Thompsons Road	250	1980	\$43,470
65662	Thompsons Road	250	1980	\$26,910
65663	Thompsons Road	250	1980	\$7,245
65664	Kratz Drive	750	1996	\$257,600
65665	Kratz Drive	750	1994	\$768,600
65666	Kratz Drive	750	1993	\$631,400
65667	Dyer Road	500	1991	\$287,680
65668	Victoria Street	375	1981	\$31,504
65669	Victoria Street	375	1981	\$240,576
65682	Earl Street	200	1999	\$44,414
65683	Earl Street	200	1999	\$46,090
65684	Earl Street	200	1999	\$17,598
65685	Earl Street	200	1999	\$45,252
65686	Earl Street	200	1999	\$6,704
65687	Earl Street	200	1999	\$19,274
65688	Earl Street	200	1999	\$16,760
65689	Earl Street	200	1999	\$15,084
65690	Albany Street	200	1999	\$19,274
65691	Albany Street	200	1999	\$160,896
65721	Arthur Street	150	1997	\$9,765
65723	Arthur Street	150	1997	\$119,133
65725	Arthur Street	150	1989	\$30,597
65726	Arthur Street	150	1989	\$106,764
65892	Bray Street	150	1975	\$58,590
65893	Bray Street	150	1975	\$19,530
65894	Bray Street	150	1975	\$27,993

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
65895	Bray Street	150	1975	\$12,369
65896	Bray Street	150	1975	\$46,221
65897	Bray Street	150	1975	\$13,020
65898	Bray Street	150	1975	\$195,951
65902	Bray Street	150	1972	\$13,020
65904	Bray Street	150	1972	\$165,354
65905	Bray Street	150	1972	\$16,926
65906	Bray Street	150	1972	\$14,322
65908	Bray Street	150	1972	\$29,946
65911	Bray Street	150	1972	\$10,416
65912	Bray Street	150	1972	\$85,932
65915	Bray Street	150	1972	\$98,301
65918	Bray Street	150	1976	\$54,684
65957	Pearce Drive	150	1990	\$14,973
65958	Pearce Drive	150	1995	\$103,509
65959	Pearce Drive	150	1991	\$106,113
65960	Pearce Drive	150	1991	\$18,228
65962	Pearce Drive	150	1991	\$72,261
65972	Bolwarra Road	150	1990	\$160,797
65973	Bolwarra Road	150	1990	\$13,020
65979	Polwarth Drive	150	1994	\$76,818
65980	Polwarth Drive	150	1992	\$110,670
65983	Polwarth Drive	150	1990	\$53,382
65984	Coriedale Drive	150	1990	\$14,973
65985	Coriedale Drive	150	1993	\$41,664
65986	Coriedale Drive	150	1990	\$50,127
65987	Dorset Street	150	1990	\$9,765
65988	Dorset Street	150	1990	\$9,765
66011	Boultwood Street	150	1981	\$7,161
66012	Ocean Parade	150	1972	\$104,811
66013	Ocean Parade	150	1972	\$13,671
66014	Ocean Parade	150	1972	\$91,791
66015	Ocean Parade	150	1972	\$13,020
66017	Ocean Parade	150	1976	\$87,234
66019	Fitzgerald Street	150	1976	\$13,020
66044	Lawson Crescent	150	2020	\$186,479
66072	Argyll Street	150	1972	\$56,637
66074	Argyll Street	150	1972	\$14,322
66083	Argyll Street	150	1973	\$38,084
66086	Argyll Street	150	1972	\$87,234
66087	Argyll Street	150	1973	\$27,993
66089	Argyll Street	150	1971	\$9,765

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
66090	Argyll Street	150	1971	\$145,824
66100	Argyll Street	150	1973	\$58,590
66101	Argyll Street	150	1973	\$70,308
66106	Argyll Street	150	1975	\$52,731
66109	Argyll Street	150	1975	\$31,899
66118	West Argyll Street	150	1978	\$8,463
66200	Beryl Street	150	1974	\$99,603
66201	Beryl Street	150	1974	\$59,241
66226	Gundagai Street	150	1976	\$113,925
66236	Gundagai Street	150	1976	\$145,824
66237	Gundagai Street	150	1976	\$10,416
66238	Gundagai Street	150	1976	\$98,301
66279	Mackays Road	150	1976	\$33,852
66280	Mackays Road	150	1989	\$14,322
66355	Gundagai Place	150	1976	\$8,463
66356	Gundagai Place	150	1976	\$80,724
66369	Moonee Street	150	1989	\$52,731
66370	Moonee Street	150	1989	\$13,671
66418	Victoria St	150	1989	\$26,691
66550	Victoria St	250	1989	\$248,400
66556	Victoria Street	150	1990	\$100,905
66563	Victoria St	150	1997	\$91,140
66564	Victoria St	150	1997	\$42,966
66569	Bent Street	150	1990	\$171,864
66589	Jarrett Street	150	1989	\$22,785
66590	Jarrett Street	150	1989	\$22,134
66593	Bent Street	150	1990	\$69,006
66612	Harbour Drive	150	1989	\$15,624
66624	Marina Drive	150	1994	\$10,416
66625	Jordan Esplanade	150	1994	\$16,926
66626	Marina Drive	150	1994	\$13,020
66631	Harbour Drive	150	1994	\$123,690
66632	Harbour Drive	150	1994	\$33,852
66759	Cornish Street	150	1980	\$27,342
66764	Cornish Street	150	1993	\$68,355
66765	Cornish Street	150	1991	\$41,013
66776	Thompsons Road	250	1994	\$23,598
66778	Thompsons Road	250	1994	\$32,085
66905	North Boambee Road	150	1990	\$23,436
66906	North Boambee Road	150	2000	\$16,275
66931	Cutter Drive	150	1983	\$124,341
66934	Cutter Drive	150	1983	\$54,684

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
66935	Diggers Beach Road	150	1983	\$64,449
66937	Diggers Beach Road	150	1983	\$16,926
66938	Diggers Beach Road	150	1983	\$14,973
66939	Diggers Beach Road	150	1983	\$41,664
66941	Diggers Beach Road	150	1983	\$19,530
66942	Diggers Beach Road	150	1983	\$46,872
66943	Diggers Beach Road	150	1983	\$14,973
66948	Diggers Beach Road	150	1983	\$84,630
66962	Gundagai Street	150	1976	\$70,308
67035	Arthur Street	150	1997	\$11,067
67187	Dammerel Crescent	200	1978	\$62,850
67188	Dammerel Crescent	200	1978	\$14,246
67191	Dammerel Crescent	300	1996	\$16,478
67192	Fiddaman Road	300	1996	\$41,195
67193	Fiddaman Road	300	1996	\$20,009
67194	Fiddaman Road	300	1996	\$309,551
67195	Fiddaman Road	300	1996	\$29,425
67198	Pacific Highway	300	1979	\$513,172
67199	Emerald Reservoir	375	1979	\$829,128
67258	Upper Orara Road	600	1967	\$1,417,970
67260	Upper Orara Road	600	1967	\$351,200
67261	Upper Orara	600	1967	\$1,312,610
67264	Coramba Road	600	1978	\$972,385
67283	Upper Orara Road	600	1982	\$50,485
67284	Upper Orara Road	600	1982	\$8,780
67285	Upper Orara Road	1000	1994	\$318,000
67286	Upper Orara Road	600	1982	\$300,715
67288	Upper Orara Road	750	1981	\$43,400
67290	Upper Orara Road	750	1981	\$5,600
67291	Upper Orara Road	750	1981	\$1,400
67293	Upper Orara Road	750	1981	\$2,800
67295	Upper Orara Road	750	1981	\$1,400
67296	Upper Orara Road	750	1994	\$14,000
67298	Upper Orara Road	1000	1994	\$367,500
67299	Upper Orara Road	1000	1994	\$297,000
67303	Bray Street	450	1977	\$1,265,110
67304	Bray Street	450	1977	\$26,288
67305	Bray Street	450	1977	\$972,656
67322	Kratz Drive	600	1996	\$989,945
67323	Shephards Lane	450	1996	\$1,086,023
67324	Shephards Lane	450	1996	\$37,789
67325	Donn-Patterson Drive	450	2001	\$1,204,319

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
67326	Donn-Patterson Drive	450	1996	\$29,574
67327	Donn-Patterson Drive	450	1996	\$1,427,767
67328	Joyce Street	450	1996	\$257,951
67329	Bray Street	450	1996	\$27,931
67330	Bray Street	450	1996	\$856,003
67331	Hannaford Place	450	1996	\$31,217
67332	Hannaford Place	450	1996	\$415,679
67333	Hannaford Place	450	1996	\$92,008
67334	Mastracolas Road	450	1996	\$2,487,502
67335	North Boambee Road	600	1996	\$2,853,500
67336	North Boambee Road	600	1996	\$81,215
67340	Pacific Highway	600	1996	\$199,745
67341	Pacific Highway	600	1996	\$3,178,360
67342	Pacific Highway	375	1996	\$75,896
67343	Linden Avenue	375	1996	\$907,888
67344	Linden Avenue	375	1996	\$34,368
67345	Linden Avenue	375	1996	\$644,400
67352	Pacific Highway	450	1997	\$65,720
67353	Pacific Highway	450	1997	\$98,580
67354	Pacific Highway	450	1997	\$64,077
67355	Pacific Highway	450	1997	\$514,259
67356	Arthur Street	450	1997	\$110,081
67357	Pacific Highway	450	1997	\$147,870
67530	Norman Hill Drive	300	1980	\$10,593
67531	Norman Hill Drive	300	1992	\$22,363
67532	Norman Hill Drive	300	1992	\$62,381
67533	Norman Hill Drive	300	1992	\$23,540
67534	Norman Hill Drive	300	1992	\$171,842
67535	Norman Hill Drive	300	1992	\$16,478
67554	James Small Drive	150	1980	\$26,040
67561	James Small Drive	150	1991	\$4,557
67562	James Small Drive	150	1980	\$137,361
67567	Korora Bay Drive	150	1980	\$10,416
67641	Maccues Road	200	1979	\$258,104
67676	Arrawarra Road	200	1988	\$23,464
67677	Arrawarra Road	200	1988	\$749,172
67678	Arrawarra Road	200	1988	\$263,132
67679	Mullaway Drive	200	1988	\$424,028
67680	Mullaway Drive	200	1988	\$15,084
67681	Mullaway Drive	200	1988	\$34,358
67683	Arrawarra Beach Road	150	1988	\$243,474
67696	Arrawarra Road	150	1988	\$200,508

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
67703	Arrawarra Road	150	1988	\$102,858
67704	Arrawarra Road	150	1988	\$208,971
67708	Mullaway Drive	150	1988	\$62,496
67740	Tramway Drive	375	1986	\$1,055,384
67741	Solitary Islands Way	375	1986	\$1,827,232
67742	Solitary Islands Way	375	1986	\$363,728
67747	Whitton Place	375	1986	\$1,225,792
67748	Solitary Islands Way	375	1988	\$718,864
67749	Dalgely Street	375	1988	\$71,600
67750	Dalgely Street	375	1988	\$17,184
67751	Knox Street	375	1988	\$154,656
67752	Knox Street	375	1988	\$28,640
67753	Moore Street	375	1988	\$319,336
67754	Pullen Street	375	1988	\$50,120
67755	Hubbard Street	375	1988	\$68,736
67756	Hubbard Street	375	1988	\$555,616
67757	Crabbe Street	375	1986	\$41,528
67758	Solitary Islands Way	375	1986	\$14,320
67759	Crabbe Street	525	1988	\$96,512
67760	Vista Close	225	1982	\$39,689
67761	Newmans Road	225	1984	\$195,676
67762	Strawberry Close	225	1984	\$204,906
67764	Solitary Islands Way	225	1984	\$14,768
67766	Clarence Street	225	1965	\$246,441
67767	River Street	225	1984	\$21,229
67768	River Street	225	1965	\$27,690
67769	River Street	225	1965	\$131,066
67770	River Street	225	1984	\$73,840
67771	River Street	225	1984	\$20,306
67777	Solitary Islands Way	525	1986	\$118,784
67778	Solitary Islands Way	525	1986	\$150,336
67779	Solitary Islands Way	525	1986	\$4,211,264
67780	Coral Drive	525	1986	\$27,840
67781	Coral Drive	525	1986	\$315,520
67782	Coral Drive	525	1986	\$33,408
67783	Coral Drive	525	1986	\$259,840
67784	Coral Drive	525	1986	\$24,128
67785	Coral Drive	525	1986	\$2,351,552
67786	Stefan Close	375	1980	\$694,520
67787	Emerald Heights Drive	375	1979	\$63,008
67789	Pacific Highway	375	1979	\$813,376
67791	Pacific Highway	375	1979	\$1,659,688

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
67815	Pacific Highway	375	1978	\$31,504
67816	Pacific Highway	375	1978	\$177,568
67817	Coachmans Close	375	1978	\$28,640
67818	Coachmans Close	375	1978	\$176,136
67819	Coachmans Close	375	1979	\$47,256
67820	James Small Drive	375	1978	\$526,976
67821	James Small Drive	375	1980	\$54,416
67822	James Small Drive	375	1980	\$240,576
67825	Korora School Road	450	1980	\$41,075
67830	West Korora Road	450	1980	\$93,651
67831	Pacific Highway	450	1980	\$1,209,248
67835	Pacific Highway	450	1980	\$612,839
67840	River Street	525	1986	\$42,688
67841	River Street	525	1986	\$55,680
67842	River Street	525	1986	\$50,112
67843	High Street	525	1986	\$272,832
67844	Scarborough Street	525	1986	\$135,488
67845	Pacific Highway	450	1978	\$428,823
67926	Turpentine Avenue	300	1979	\$714,439
67927	Turpentine Avenue	300	1978	\$16,478
67928	Coral Drive	300	1978	\$141,240
67929	Diamond Head Drive	300	1994	\$214,214
67930	Diamond Head Drive	300	1994	\$68,266
67939	Coral Drive	300	1978	\$23,540
67940	Solitary Islands Way	375	1979	\$872,088
67977	Diamond Head Drive	150	1978	\$57,288
67978	Diamond Head Drive	150	1978	\$55,335
67995	Sandys Beach Drive	150	1978	\$312,480
67997	Sandys Beach Drive	150	1978	\$58,590
67998	Sandys Beach Drive	150	1978	\$43,617
68001	Solitary Islands Way	150	1994	\$363,909
68006	Sapphire Crescent	300	1978	\$109,461
68008	Solitary Islands Way	200	2010	\$242,182
68009	Warrawee Street	200	1978	\$18,436
68010	Warrawee Street	200	1978	\$77,096
68011	Warrawee Street	200	1978	\$16,760
68014	Eloura Drive	200	1978	\$170,952
68015	Eloura Drive	200	1978	\$20,112
68018	Solitary Islands Way	300	2010	\$318,967
68027	Split Solitary Road	150	1981	\$42,966
68040	Beach Road	150	1978	\$107,415
68045	Elouera Drive	150	1978	\$46,872

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68052	Elouera Drive	150	1978	\$17,577
68053	Elouera Drive	150	1978	\$44,268
68054	Elouera Drive	150	1978	\$15,624
68058	Elouera Drive	150	1978	\$10,416
68059	Elouera Drive	150	1978	\$70,308
68062	Elouera Drive	150	1978	\$52,731
68070	Coachmans Close	150	1992	\$96,999
68071	Fernleigh Avenue	150	1992	\$45,570
68084	First Avenue	300	1976	\$49,434
68085	First Avenue	300	1976	\$20,009
68086	First Avenue	300	1976	\$18,832
68087	First Avenue	300	1976	\$158,895
68088	Twenty-First Avenue	300	1976	\$4,708
68089	Twenty-Second Avenue	300	1976	\$148,302
68090	Twenty-Second Avenue	300	1976	\$84,744
68091	Third Avenue	300	1976	\$10,593
68092	Fourth Avenue	300	1976	\$376,640
68093	Second Avenue	300	1976	\$18,832
68094	Fourth Avenue	300	1976	\$200,090
68095	Fourth Avenue	300	1976	\$16,478
68096	Fourth Avenue	300	1976	\$116,523
68102	First Avenue	200	1976	\$95,532
68103	Eighteenth Avenue	200	1976	\$15,084
68106	Eighteenth Avenue	225	1976	\$54,457
68107	Lyons Road	250	1986	\$52,785
68108	Boronia Street	300	1976	\$105,930
68110	Bayldon Road	150	1976	\$15,624
68111	Bayldon Road	150	1976	\$363,258
68112	Bayldon Road	150	1976	\$17,577
68113	Bayldon Road	150	1976	\$21,483
68114	Lyons Road	150	1976	\$160,146
68115	Bayldon Road	150	1976	\$20,181
68116	Combine Street	375	1974	\$462,536
68117	Dyer Road	375	1974	\$25,776
68118	Dyer Road	375	1974	\$415,280
68119	Dyer Road	375	1974	\$25,776
68120	Dyer Road	375	1974	\$154,656
68122	Pacific Highway	375	1991	\$24,344
68124	Pacific Highway	375	1991	\$51,552
68125	Pacific Highway	375	1991	\$219,096
68126	Pacific Highway	375	1987	\$40,096
68131	Sawtell Road	250	1972	\$4,140

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68133	Sawtell Road	250	1972	\$23,805
68134	Sawtell Road	250	1972	\$224,595
68135	Sawtell Road	250	1972	\$19,665
68136	Sawtell Road	250	1972	\$428,490
68137	Sawtell Road	250	1972	\$21,735
68138	Sawtell Road	250	1972	\$305,325
68143	Corrigan Avenue	300	1972	\$41,195
68144	Sawtell Road	300	1972	\$268,356
68145	Sawtell Road	300	1972	\$50,611
68146	Sawtell Road	300	1972	\$583,792
68150	Robin Street	525	1984	\$289,536
68151	Robin Street	525	1980	\$51,968
68152	King Street	525	1971	\$33,408
68153	Pacific Highway	200	1962	\$380,452
68156	Pacific Highway	375	1987	\$353,704
68157	Newports Creek	375	1987	\$41,528
68158	Pacific Highway	375	1987	\$127,448
68210	Hulberts Road	150	1995	\$163,401
68211	Hulberts Road	150	1995	\$20,832
68212	Hulberts Road	150	1995	\$138,012
68214	Hulberts Road	150	1995	\$16,926
68269	First Avenue	150	1976	\$97,650
68271	First Avenue	150	1976	\$15,624
68272	First Avenue	150	1976	\$124,992
68275	First Avenue	150	1976	\$16,926
68278	First Avenue	150	1976	\$21,483
68280	First Avenue	150	1976	\$12,369
68281	First Avenue	150	1976	\$31,248
68289	Eleventh Avenue	150	1977	\$61,845
68387	Bonville Waters Driv	150	1986	\$10,416
68388	Tindara Drive	150	1972	\$54,684
68395	Dirigeree Crescent	150	1972	\$97,650
68396	Banool Street	150	1973	\$10,416
68397	Banool Street	150	1973	\$73,563
68399	Gillibri Crescent	150	1972	\$11,718
68400	Dirigeree Crescent	150	1972	\$65,751
68401	Gillibri Crescent	150	1972	\$276,024
68403	Bonville Waters Driv	150	1974	\$60,543
68426	Belbowrie Road	375	1988	\$946,552
68427	Jane Circuit	450	1979	\$688,417
68428	Jane Circuit	450	1979	\$324,657
68429	Cavanba Road	450	1979	\$27,931

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68430	Cavanba Road	450	1979	\$85,436
68431	Eungella Street	450	1979	\$60,791
68432	Illabo Crescent	300	1980	\$278,949
68433	Illabo Crescent	300	1980	\$17,655
68434	Linden Avenue	300	1980	\$87,098
68435	Linden Avenue	300	1980	\$20,009
68436	Toormina Road	300	1980	\$104,753
68437	Toormina Road	300	1991	\$441,375
68438	Lyons Road	300	1980	\$324,852
68439	Lyons Road	300	1986	\$40,018
68441	Lyons Road	250	1986	\$87,975
68442	Eungella Street	300	1979	\$30,602
68443	Eungella Street	300	1979	\$149,479
68444	Eungella Street	300	1979	\$24,717
68445	Eungella Street	300	1979	\$92,983
68446	Amaroo Crescent	300	1979	\$21,186
68447	Amaroo Crescent	300	1979	\$74,151
68448	Ramornie Drive	300	1973	\$131,824
68449	Ramornie Drive	300	1973	\$127,116
68450	Ramornie Drive	300	1973	\$122,408
68451	Mirroola Crescent	300	1973	\$47,080
68452	Lourne Avenue	300	1973	\$22,363
68453	Lourne Avenue	300	1973	\$210,683
68454	Lourne Avenue	225	1973	\$23,075
68458	Hulberts Road	200	1986	\$129,052
68461	Tait Close	200	1986	\$15,922
68462	Toormina Road	200	1986	\$22,626
68463	Toormina Road	200	1986	\$27,654
68464	Toormina Road	200	1986	\$526,264
68466	Minorie Drive	200	1987	\$254,752
68467	Wirrabilla Drive	200	1987	\$15,084
68468	Hogbin Drive	200	1992	\$79,610
68470	Hogbin Drive	200	1992	\$534,644
68472	Sawtell Road	200	1965	\$44,414
68473	Sawtell Road	200	1965	\$39,386
68477	Sunrise Drive	375	1985	\$160,384
68478	Sunrise Drive	375	1985	\$28,640
68479	Sunrise Drive	375	1985	\$230,552
68480	Sunrise Drive	375	1985	\$37,232
68481	Sunrise Drive	375	1985	\$171,840
68482	Sunrise Drive	375	1985	\$25,776
68483	Linden Avenue	375	1985	\$90,216

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68484	De Castella Drive	375	1985	\$247,736
68485	De Castella Drive	200	1985	\$10,894
68486	De Castella Drive	200	1985	\$157,544
68487	De Castella Drive	200	1985	\$77,934
68488	Linden Avenue	200	1987	\$36,872
68489	Linden Avenue	200	1987	\$14,246
68490	Linden Avenue	200	1987	\$39,386
68491	Linden Avenue	200	1987	\$8,380
68492	Linden Avenue	200	1987	\$20,112
68493	Linden Avenue	200	1987	\$152,516
68494	Linden Avenue	200	1987	\$13,408
68495	Linden Avenue	200	1987	\$17,598
68496	Linden Avenue	200	1987	\$38,548
68497	Linden Avenue	250	1993	\$121,095
68498	Linden Avenue	250	1993	\$18,630
68499	Linden Avenue	250	1993	\$171,810
68500	Linden Avenue	250	1993	\$23,805
68501	Linden Avenue	250	1993	\$428,490
68502	Linden Avenue	250	1993	\$175,950
68503	Linden Avenue	250	1993	\$23,805
68504	Linden Avenue	250	1993	\$32,085
68505	Linden Avenue	250	1993	\$156,285
68506	Linden Avenue	250	1993	\$20,700
68507	Linden Avenue	375	1993	\$121,720
68510	Linden Avenue	200	1986	\$5,028
68511	Linden Avenue	200	1986	\$79,610
68512	Linden Avenue	200	1986	\$25,140
68513	Linden Avenue	200	1986	\$90,504
68514	Linden Avenue	200	1986	\$117,320
68515	Lady Belmore Drive	250	1984	\$12,420
68516	Lady Belmore Drive	250	1984	\$96,255
68517	Lady Belmore Drive	250	1984	\$32,085
68518	Lady Belmore Drive	250	1984	\$16,560
68519	Lady Belmore Drive	250	1984	\$77,625
68520	Lady Belmore Drive	250	1984	\$22,770
68522	Lady Belmore Drive	250	1984	\$57,960
68523	Lady Belmore Drive	250	1984	\$24,840
68524	Cavanba Road	250	1984	\$71,415
68527	Lamberts Road	150	1993	\$50,127
68528	Lamberts Road	150	1993	\$12,369
68529	Lamberts Road	150	1992	\$76,818
68530	Sawtell Road	150	1993	\$14,322

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68535	Sawtell Road	150	1989	\$376,005
68536	Sawtell Road	150	1989	\$78,771
68537	Sawtell Road	150	1989	\$21,483
68538	Sawtell Road	150	1989	\$152,334
68539	Sawtell Road	150	1989	\$207,669
68540	Sawtell Road	150	1989	\$156,891
68541	Sawtell Road	150	1989	\$8,463
68542	Sawtell Road	150	1989	\$141,918
68543	Marian Place	150	1989	\$14,322
68545	Belbowrie Road	375	1988	\$27,208
68546	Cavanba Road	375	1997	\$385,208
68547	Armstrong Road	375	1997	\$22,912
68548	Armstrong Road	375	1997	\$194,752
68549	Armstrong Road	375	1997	\$352,272
68550	Sawtell Road	375	1997	\$466,832
68551	Sawtell Road	375	1997	\$45,824
68552	Sawtell Road	375	1997	\$419,576
68553	Sawtell Road	375	1997	\$18,616
68554	Wirrabilla Drive	150	1998	\$7,161
68556	Belbowrie Road	300	1979	\$497,871
68557	Belbowrie Road	300	1979	\$22,363
68558	Belbowrie Road	300	1979	\$229,515
68559	Lady Belmore Drive	300	1979	\$131,824
68560	Lady Belmore Drive	300	1979	\$21,186
68561	Corrigan Avenue	300	1979	\$214,214
68573	Cavanba Road	150	1973	\$79,422
68576	Cavanba Road	150	1973	\$50,127
68577	Cavanba Road	150	1973	\$18,228
68579	Cavanba Road	150	1973	\$56,637
68580	Cavanba Road	150	1973	\$14,973
68581	Nariah Crescent	150	1973	\$355,446
68582	Alleena Drive	150	1972	\$11,718
68583	Alleena Drive	150	1972	\$164,052
68584	Alleena Drive	150	1972	\$59,892
68585	Alleena Drive	150	1972	\$55,986
68587	Cavanba Road	150	1998	\$124,341
68590	Nariah Crescent	150	1972	\$12,369
68591	Nariah Crescent	150	1972	\$64,449
68594	Toormina Road	150	1973	\$230,454
68595	Toormina Road	150	1973	\$16,275
68596	Toormina Road	150	1973	\$105,462
68597	Toormina Road	150	1973	\$13,671

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
68598	Toormina Road	150	1973	\$84,630
68600	Toormina Road	150	1972	\$15,624
68601	Toormina Road	150	1973	\$53,382
68602	Toormina Road	150	1973	\$13,020
68603	Toormina Road	150	1980	\$42,966
68655	Marian Place	150	1989	\$96,999
68667	Wirrabilla Drive	150	1972	\$15,624
68668	Wirrabilla Drive	150	1972	\$155,589
68672	Wirrabilla Drive	150	1972	\$48,825
68690	Werambie Street	150	1974	\$160,146
68692	Werambie St	150	1974	\$61,845
68693	Lalaguli Drive	150	1974	\$45,570
68694	Noomba Street	150	1974	\$14,973
68695	Noomba Street	150	1974	\$46,872
68706	Linden Avenue	150	1988	\$52,731
68734	Cuthbert Street	150	1985	\$37,107
68773	Playford Avenue	150	1981	\$114,576
68776	Playford Avenue	150	1984	\$106,764
68789	Playford Avenue	150	1981	\$113,274
68792	Playford Avenue	150	1981	\$70,308
68793	Playford Avenue	150	1980	\$52,080
68794	Playford Avenue	150	1980	\$11,718
68799	Cavanba Road	200	1987	\$17,598
68815	Toormina Road	150	1984	\$43,617
68818	Anderson Street	150	1984	\$77,469
68843	Hobbs Crescent	150	1984	\$11,718
68844	Hobbs Crescent	150	1984	\$15,624
68846	Hobbs Crescent	150	1984	\$61,194
68850	Hobbs Crescent	150	1984	\$34,503
68852	Toormina Road	150	1984	\$263,004
68853	Toormina Road	150	1984	\$41,664
69001	Linden Avenue	150	1990	\$61,845
69002	Linden Avenue	150	1990	\$16,926
69003	Linden Avenue	150	1990	\$31,248
69004	Linden Avenue	150	1990	\$31,899
69013	Linden Avenue	150	1990	\$54,033
69014	Linden Avenue	150	1989	\$16,926
69015	Linden Avenue	150	1989	\$41,664
69017	Linden Avenue	150	1989	\$16,926
69018	Linden Avenue	150	1989	\$18,228
69019	Linden Avenue	150	1989	\$60,543
69020	Linden Avenue	150	1989	\$17,577

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
69021	Linden Avenue	150	1989	\$70,959
69069	Linden Avenue	150	1989	\$115,878
69070	Linden Avenue	150	1989	\$76,818
69071	Linden Avenue	150	1989	\$13,671
69072	Linden Avenue	150	1988	\$75,516
69105	Playford Avenue	150	1988	\$12,369
69106	Playford Avenue	150	1988	\$124,992
69107	Playford Avenue	150	1988	\$18,228
69183	Solitary Islands Way	225	1984	\$53,534
69184	Solitary Islands Way	225	1984	\$363,662
69185	River Street	225	1984	\$35,997
69190	Scarborough Street	225	1984	\$67,379
69194	Scarborough Street	200	1983	\$143,298
69195	Scarborough Street	200	1983	\$95,532
69196	South Street	300	1983	\$27,071
69197	South Street	300	1983	\$242,462
69199	Crabbe Street	200	1980	\$64,526
69200	Crabbe Street	200	1980	\$47,766
69201	Crabbe Street	200	1980	\$147,488
69202	Crabbe Street	200	1980	\$49,442
69203	River Street	200	1998	\$48,604
69206	Crabbe Street	200	1990	\$56,984
69208	Crabbe Street	200	1990	\$13,408
69209	Crabbe Street	200	1990	\$20,950
69210	Ocean Street	300	1996	\$267,179
69211	Ocean Street	300	1996	\$35,310
69212	Ocean Street	300	1996	\$216,568
69217	River Street	225	1979	\$164,294
69219	Coral Drive	225	1979	\$11,999
69222	Coral Drive	225	1979	\$87,685
69223	Coral Drive	225	1979	\$69,225
69224	Coral Drive	225	1979	\$11,076
69226	Solitary Islands Way	250	1979	\$86,940
69228	Solitary Islands Way	225	1979	\$65,533
69266	Beach Street	150	1967	\$19,530
69270	Beach Street	150	1965	\$33,982
69271	Beach Street	150	1965	\$38,409
69272	Beach Street	150	1965	\$14,322
69273	Beach Street	150	1965	\$46,221
69275	Beach Street	150	1965	\$55,335
69290	Ocean Street	150	1965	\$151,683
69291	Ocean Street	150	1965	\$16,926

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
69356	Scarborough Street	150	1965	\$52,080
69359	Scarborough Street	150	1965	\$86,583
69368	Scarborough Street	150	1965	\$78,120
69369	Scarborough Street	150	1965	\$23,436
69371	Beach Street	150	1965	\$52,731
69383	Beach Street	150	1967	\$113,925
69384	Beach Street	150	1967	\$59,892
69386	Beach Street	150	1967	\$39,060
69389	Beach Street	150	1967	\$35,805
69444	South Street	150	1983	\$62,496
69465	Scarborough Street	150	1981	\$97,650
69466	Scarborough Street	150	1981	\$156,891
69473	Bosworth Road	150	1992	\$26,040
69480	Scarborough Street	150	1965	\$93,093
69533	Short Street	150	1960	\$274,722
69571	Solomon Close	100	1994	\$55,419
69572	Solomon Close	100	1994	\$3,365
69573	Bucca Road	100	1994	\$129,642
69574	Solomon Close	100	1994	\$396
75593	Mcintosh Crescent	150	2001	\$13,020
75596	Mcintosh Crescent	150	2001	\$24,738
75598	Mcintosh Crescent	150	2001	\$9,114
75600	Mcintosh Crescent	150	2001	\$13,020
77422	Solitary Islands Way	150	2000	\$203,763
77430	Moonee Beach Road	200	1999	\$65,364
77431	Mooney Beach Road	200	1999	\$36,034
77432	Moonee Beach Road	200	1999	\$71,230
77439	James Small Drive	150	2000	\$16,275
77440	James Small Drive	150	2000	\$72,912
78152	Isles Drive	150	2001	\$24,087
78153	Industrial Drive	150	2001	\$11,067
78154	Industrial Drive	150	2001	\$23,436
78196	Isles Drive	150	2001	\$15,624
78197	Isles Drive	150	2001	\$154,938
78200	Industrial Drive	150	2001	\$10,416
78201	Industrial Drive	150	2001	\$31,899
78205	Isles Drive	150	2001	\$41,664
78206	Isles Drive	150	2001	\$53,382
78207	Isles Drive	150	2001	\$64,449
78227	West High Street	200	2002	\$50,280
78228	West High Street	200	1976	\$90,504
78233	Edinburgh Street	150	2001	\$28,644

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
78234	Edinburgh Street	150	2001	\$52,731
78235	Edinburgh Street	150	2001	\$15,624
78236	Edinburgh Street	150	2001	\$132,153
78248	Lady Belmore Drive	200	2002	\$56,146
78250	Lady Belmore Drive	200	2002	\$94,694
78253	Lady Belmore Drive	200	2002	\$60,336
78256	Lady Belmore Drive	250	1984	\$13,455
78257	Lady Belmore Drive	250	1984	\$5,175
78258	Lady Belmore Drive	250	1984	\$5,175
78259	Lady Belmore Drive	250	1984	\$16,560
78260	Lady Belmore Drive	250	1984	\$23,805
78301	Polwarth Drive	150	1992	\$47,523
78705	Edinburgh Street	150	2002	\$19,530
78706	Edinburgh Street	150	2002	\$45,570
78709	Edinburgh Street	150	2002	\$21,483
78710	Edinburgh Street	150	2002	\$50,127
78712	Edinburgh Street	150	1997	\$26,691
78715	Boambee Street	200	1995	\$17,598
78894	Isles Drive	150	1994	\$24,738
78895	Isles Drive	150	1994	\$128,898
78904	Industrial Drive	150	2006	\$7,161
78906	Industrial Drive	150	2006	\$108,066
78952	Lamberts Road	150	1992	\$38,409
79092	Coriedale Drive	150	1993	\$39,060
79093	Coriedale Drive	150	1990	\$39,060
79094	Coriedale Drive	150	1990	\$7,812
79098	Dorset Street	150	1990	\$23,436
79099	Dorset Street	150	1990	\$25,389
79202	Coriedale Drive	150	2003	\$29,946
79510	Fiddaman Road	300	1996	\$7,062
79512	Fiddaman Road	300	1996	\$91,806
79514	Fiddaman Road	300	1996	\$45,903
79521	Fiddaman Road	300	1996	\$7,062
79522	Fiddaman Road	300	1996	\$78,859
79523	Fiddaman Road	300	1996	\$109,461
79609	Shephards Lane	300	1992	\$51,788
79611	Shephards Lane	250	2002	\$17,595
79612	Shephards Lane	250	2002	\$392,265
79738	Mcintosh Crescent	150	2001	\$39,711
79739	Mcintosh Crescent	150	2001	\$8,463
79740	Mcintosh Crescent	150	2001	\$14,973
79907	Toormina Road	150	1973	\$35,154

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
80105	Sawtell Road	150	2004	\$35,805
80106	Sawtell Road	150	2004	\$18,228
80131	Bray Street	450	1977	\$1,467,199
81515	Halls Road	150	2004	\$16,275
81535	Halls Road	150	2004	\$2,604
81556	North Boambee Road	150	2004	\$29,295
81557	Lakes Drive	150	2004	\$13,671
81558	Lakes Drive	150	2004	\$42,315
81560	Lakes Drive	150	2004	\$9,114
81573	Lakes Drive	150	2004	\$62,496
81580	Menindee Circuit	150	2004	\$27,342
81581	Menindee Circuit	150	2004	\$14,973
81585	Menindee Circuit	150	2004	\$24,087
81593	Colac Terrace	150	2004	\$96,999
81643	Pearce Drive	150	2004	\$14,322
81646	Pearce Drive	150	2004	\$11,718
81647	Pearce Drive	150	2004	\$61,845
81998	Lyons Road	200	2002	\$118,158
82000	Lyons Road	150	2002	\$22,785
82005	Industrial Drive	150	2004	\$131,502
82010	Industrial Drive	150	2004	\$7,161
82022	Lyons Road	200	2002	\$17,598
82023	Lyons Road	200	2002	\$54,470
82024	Lyons Road	250	2002	\$200,790
82025	De Castella Drive	250	2002	\$21,735
82026	De Castella Drive	250	2002	\$61,065
82031	West Korora Road	500	2002	\$20,416
82032	West Korora Road	500	2002	\$113,513
82033	West Korora Road	500	2002	\$35,041
82034	West Korora Road	500	2002	\$810,144
82042	Pacific Highway	450	2002	\$8,215
82044	Pacific Highway	500	2002	\$37,120
82128	Old Coast Road	500	2004	\$244,992
82546	Peterson Road	200	2004	\$113,968
82547	Peterson Road	200	2004	\$10,894
82548	Pitt Square	200	2004	\$80,448
83227	Coriedale Drive	150	2003	\$42,966
83228	Coriedale Drive	150	2003	\$11,718
83229	Coriedale Drive	150	2003	\$31,899
83239	Lyons Road	150	2005	\$166,005
83250	Lyons Road	150	2005	\$151,683
83875	Pacific Street	200	1982	\$395,536

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
83889	Pacific Street	200	1982	\$209,500
83893	Pacific Street	200	1982	\$15,084
83894	Pacific Street	200	1982	\$73,744
83915	Coral Street	150	1982	\$71,610
83916	Coral Street	150	1982	\$13,020
84052	Eileen Drive	250	1982	\$89,010
84073	Kangaroo Trail Road	300	1982	\$143,594
84075	Kangaroo Trail Road	300	1982	\$282,480
84167	Coral Street	250	2004	\$4,140
84168	Coral Street	250	2004	\$21,735
84169	Coral Street	250	2004	\$21,735
97140	Kangaroo Trail Road	300	1982	\$32,956
97159	Lady Belmore Drive	375	1993	\$388,072
97164	Lady Belmore Drive	300	1993	\$111,815
97166	Vera Drive	375	1993	\$100,240
97189	James Small Drive	150	2000	\$27,993
97194	Roselands Drive	250	2004	\$520,605
97195	Roselands Drive	250	2004	\$116,955
97197	Roselands Drive	250	2004	\$126,270
97198	Roselands Drive	250	2004	\$20,700
97199	Roselands Drive	250	2004	\$96,255
97209	Coriedale Drive	150	1990	\$5,208
97220	Bray Street	150	1972	\$39,060
97234	Edinburgh Street	150	2002	\$3,255
97243	Grafton Street	225	1970	\$2,769
97248	Bray Street	150	1972	\$19,530
97249	Bray Street	150	1972	\$17,577
97250	Bray Street	150	1972	\$63,798
97251	Bray Street	150	1972	\$61,194
97276	Korora Bay Drive	150	1980	\$24,087
97292	West High Street	200	2004	\$399,726
97297	Gundagai Street	150	1976	\$60,543
97299	Gundagai Place	150	1976	\$41,013
97323	Joyce Street	150	1981	\$9,765
97324	Joyce Street	150	1981	\$16,275
97325	King Street	300	1971	\$15,301
97326	King Street	300	1971	\$4,708
97333	Arthur Street	250	1997	\$33,120
97334	Woolgoolga Road	250	1997	\$31,050
97392	Bruce King Drive	250	1993	\$12,420
97414	Beach Street	150	1967	\$45,570
97435	Aviation Drive	300	1993	\$18,832

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
97893	Coramba Road	750	1987	\$96,600
97950	Coramba Road	750	1987	\$12,600
98038	Twenty-First Avenue	200	1976	\$6,704
98324	Lady Belmore Drive	300	1993	\$125,939
98327	Pacific Highway	500	2004	\$22,272
98328	Pacific Highway	500	2004	\$81,664
98329	James Small Drive	500	2004	\$658,880
98333	Coachmans Close	250	2004	\$15,525
98341	Solitary Islands Way	500	2004	\$1,466,240
98347	Solitary Islands Way	500	2004	\$105,792
98348	Solitary Islands Way	500	2004	\$37,120
98353	Pearce Drive	150	2006	\$84,630
98354	Pearce Drive	150	2006	\$21,483
98355	Pearce Drive	150	2006	\$9,114
98356	Pearce Drive	150	2006	\$20,181
98389	Beach Street	150	1965	\$85,281
98394	James Small Drive	150	2000	\$39,060
98398	West High Street	200	1976	\$217,042
98401	Market Street	250	2000	\$5,175
98402	Beach Street	150	1965	\$23,436
98415	Victoria St	250	1997	\$16,560
98416	Sawtell Road	150	2004	\$53,382
98417	Headland Road	500	2004	\$1,147,008
98427	North Sapphire Road	500	2004	\$541,952
98432	Split Solitary Road	150	2004	\$651
98484	Charlesworth Bay Roa	200	1989	\$191,902
98486	James Small Drive	150	1991	\$10,416
98487	Bray Street	150	1972	\$7,812
98503	Linden Avenue	300	1980	\$23,540
98508	Cavanba Road	200	1987	\$46,928
98513	Sunrise Drive	375	1985	\$223,392
98518	Linden Avenue	200	1986	\$10,056
98519	Lindsays Road	250	1996	\$126,270
98520	Pacific Highway	300	1996	\$75,328
98521	Pacific Highway	300	1996	\$80,036
98522	Bayldon Road	150	1976	\$71,610
98526	Hulberts Lane	225	1986	\$1,846
98532	Sawtell Road	200	1989	\$25,978
98533	Sawtell Road	200	1989	\$4,190
98534	Sawtell Road	200	1989	\$10,056
98535	Sawtell Road	200	1989	\$45,252
98542	Linden Avenue	200	1986	\$63,688

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
98544	Sawtell Road	150	1989	\$95,046
98549	Isles Drive	150	1990	\$50,778
98558	Pearce Drive	150	1995	\$41,664
98561	Fourth Avenue	300	1976	\$25,894
98563	Fourth Avenue	300	1976	\$10,593
98565	Twenty-First Avenue	300	1976	\$97,691
98568	Eighteenth Avenue	225	1976	\$124,605
98571	Sawtell Road	150	1989	\$55,986
98572	Sawtell Road	250	1972	\$114,885
98575	Pacific Highway	250	1990	\$42,435
98578	Thompsons Road	250	1980	\$218,385
98582	Pacific Highway	200	1962	\$8,380
98583	Pacific Highway	200	1962	\$77,096
98584	Pacific Highway	200	1962	\$134,918
98588	McLean Street	300	1973	\$100,045
98589	Gailer Drive	375	1974	\$340,816
98592	King Street	150	1989	\$17,577
98593	King Street	150	1989	\$87,234
98595	West High Street	200	1976	\$82,124
98596	West High Street	200	1976	\$134,080
98597	West High Street	250	1975	\$65,205
98601	Gundagai Street	450	1975	\$502,758
98605	Gundagai Street	450	1980	\$359,817
98608	Bray Street	150	1972	\$11,067
98615	Albany Street	375	1994	\$54,416
98617	Victoria Street	375	1989	\$143,200
98618	Raleigh Street	500	1990	\$29,696
98624	Market Street	250	2000	\$35,190
98633	Grafton Street	225	1970	\$77,532
98634	Grafton Street	225	1970	\$66,456
98637	Woolgoolga Road	200	1976	\$8,380
98638	Woolgoolga Road	200	1976	\$217,880
98640	Argyll Street	150	1972	\$13,020
98642	Bray Street	150	1972	\$83,979
98643	Walter Morris Close	300	1975	\$43,549
98644	Bray Street	150	1972	\$172,515
98645	Bray Street	150	1975	\$132,153
98646	Bray Street	450	1977	\$18,073
98651	Orlando Street	200	1977	\$5,866
98653	Ocean Parade	150	1976	\$5,859
98661	Arthur Street	150	1997	\$1,302
98665	Firman Drive	200	1984	\$17,598

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
98666	Firman Drive	200	1984	\$73,744
98668	Charlesworth Bay Roa	200	1989	\$215,366
98685	James Small Drive	150	1980	\$75,516
98686	Norman Hill Drive	300	1980	\$3,531
98687	Norman Hill Drive	300	1980	\$27,660
98696	Coral Drive	300	1978	\$5,885
98700	Solitary Islands Way	225	1979	\$500,728
98705	Scarborough Street	225	1984	\$16,614
98709	Ocean Street	150	1965	\$117,831
98710	Pacific Highway	375	1988	\$320,768
98718	Bark Hut Road	150	1984	\$167,958
98725	Twenty-Second Avenue	300	1976	\$109,461
98729	Resort Drive	150	1998	\$102,858
98739	Newmans Road	225	1984	\$58,149
98746	Bray Street	150	1972	\$13,671
98747	Joyce Street	375	1976	\$7,160
98748	West Argyll Street	150	1978	\$176,421
98753	Coramba Road	300	1991	\$30,602
98755	Spagnoles Road	300	1997	\$103,576
98757	King Street	525	1971	\$281,370
98758	King Street	300	1971	\$17,655
98759	King Street	300	1971	\$12,947
98761	Charlotte Court	600	1989	\$1,301,635
98776	Coramba Road	750	1987	\$14,000
98780	Coramba Road	750	1987	\$309,400
98781	Coramba Road	750	1982	\$79,800
98782	Coramba Road	750	1987	\$106,400
98800	Bosworth Road	150	1992	\$5,859
98812	James Small Drive	150	2000	\$46,221
98813	Arthur Street	250	1979	\$45,540
98814	Firman Drive	200	1984	\$81,286
98815	Firman Drive	200	1984	\$31,006
98818	Ocean Parade	200	1977	\$104,750
98819	Ocean Parade	200	1977	\$8,380
98820	Ocean Parade	200	1977	\$3,352
98821	West High Street	300	1975	\$30,602
98825	King Street	150	1962	\$9,765
98826	Harbour Drive	200	1991	\$78,772
98829	Lindsays Road	150	1988	\$231,756
98832	Linden Avenue	375	1993	\$589,984
98840	Isles Drive	150	2001	\$21,483
98841	Industrial Drive	150	2001	\$2,604

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
98847	Lamberts Road	150	1993	\$77,469
98852	Bray Street	150	1972	\$651
98854	Coriedale Drive	150	2003	\$26,691
98863	Fiddaman Road	300	1996	\$3,531
98874	Woolgoolga Road	225	1971	\$19,383
98885	Victoria Street	250	1997	\$4,140
98892	Pacific Street	200	1982	\$15,922
98911	Pacific Highway	500	2002	\$3,712
98912	Pacific Highway	450	1978	\$910,222
98920	Flintwood Place	600	1989	\$353,395
98931	Newcastle Drive	300	1975	\$25,894
98932	Azalea Avenue	300	1971	\$1,177
98942	Lyons Road	300	1980	\$335,445
98946	Pacific Street	150	1985	\$2,279
98947	Coral Street	250	2004	\$93,150
98949	Sawtell Road	250	1972	\$327,060
98950	Safety Beach Drive	150	1984	\$9,114
98951	Lyons Road	150	2005	\$236,313
98954	View Drive	375	1993	\$336,520
98961	Pacific Highway	450	1977	\$118,296
98967	De Castella Drive	375	1985	\$5,728
98983	Norman Hill Drive	300	1980	\$125,939
98991	Newmans Road	225	1984	\$149,526
99004	Marina Drive	150	1994	\$27,342
99005	Marina Drive	150	1994	\$58,590
99009	Coachmans Close	150	1992	\$159,495
99021	Sawtell Road	150	2000	\$146,475
99025	Island View Close	225	1980	\$3,692
99034	Industrial Drive	150	2006	\$31,899
99045	Vista Close	225	2006	\$224,289
99234	Industrial Drive	150	2006	\$9,765
99235	Industrial Drive	150	2006	\$24,738
99243	Forge Drive	150	2006	\$9,765
99287	Trevally Street	250	1992	\$246,330
99288	Solitary Islands Way	300	2006	\$276,595
99294	Coral Street	300	2006	\$593,208
99306	Pearce Drive	150	2006	\$29,946
99307	Pearce Drive	150	2006	\$11,067
99308	Pearce Drive	150	2006	\$27,993
99328	Halls Road	150	2006	\$14,322
99329	Halls Road	150	2006	\$9,765
99330	Halls Road	150	2006	\$11,718

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
99331	Halls Road	150	2006	\$11,718
99332	Lophostemon Drive	150	2006	\$56,637
99333	Lophostemon Drive	150	2006	\$10,416
99334	Lophostemon Drive	150	2006	\$57,939
99375	Moonee Creek Drive	300	2005	\$71,797
99380	Moonee Creek Drive	300	2005	\$22,363
99381	Sullivans Road	300	2005	\$107,107
99382	Sullivans Road	300	2005	\$24,717
99383	Sullivans Road	300	2005	\$78,859
99384	Sullivans Road	300	2005	\$12,947
99385	Sullivans Road	300	2005	\$91,806
99386	Sullivans Road	300	2005	\$2,354
99387	Sullivans Road	300	2005	\$2,354
99388	Sullivans Road	150	2005	\$9,765
99389	Sullivans Road	150	2005	\$9,765
99390	Sullivans Road	150	2005	\$163,401
99746	Ballantine Drive	200	2005	\$8,380
99747	Ballantine Drive	200	2005	\$145,812
99768	James Small Drive	200	2006	\$202,796
99795	LINDSAYS RD	100	2007	\$627
99868	Turpentine Avenue	300	1994	\$8,239
99880	Raleigh Street	500	1991	\$788,800
99900	Harbour Drive	200	1999	\$133,242
99909	Eungella Street	300	1979	\$18,832
99910	Eungella Street	300	1979	\$1,177
99913	Eungella Street	450	1979	\$4,929
99914	Eungella Street	150	1979	\$3,255
99915	Cavanba Road	150	1973	\$18,228
99917	Cavanba Road	150	1973	\$86,583
99918	Cavanba Road	150	1973	\$6,510
99920	Cavanba Road	150	1973	\$153,636
99922	Cavanba Road	300	1979	\$205,975
99923	Cavanba Road	300	1979	\$1,177
99924	Corrigan Avenue	300	1979	\$91,806
99925	Corrigan Avenue	300	1979	\$7,062
99935	De Castella Drive	200	1985	\$18,436
99936	De Castella Drive	200	1985	\$29,330
99939	De Castella Drive	250	2002	\$271,170
99940	De Castella Drive	250	2002	\$28,980
99941	Sea Breeze Place	250	2002	\$15,525
99943	Linden Avenue	375	1985	\$4,296
99944	Linden Avenue	375	1985	\$21,480

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
99951	Ramornie Drive	300	1973	\$5,885
99952	Ramornie Drive	300	1973	\$5,885
99953	Jane Circuit	450	1979	\$8,215
99954	Jane Circuit	450	1979	\$31,217
99955	Jane Circuit	450	1979	\$27,931
99958	Buchanans Road	600	1996	\$8,780
99959	Buchanans Road	500	1996	\$14,848
99960	Kratz Drive	500	1996	\$141,056
99961	Kratz Drive	500	1996	\$53,824
99972	Pacific Highway	150	1996	\$39,711
99980	Thompsons Road	150	1980	\$239,243
99981	Thompsons Road	150	1980	\$74,214
99987	Pacific Highway	200	1990	\$186,874
99995	Pacific Highway	375	1991	\$330,792
100039	Coral Drive	150	1978	\$59,241
100040	Coral Drive	150	1978	\$60,543
100043	Solitary Islands Way	150	1994	\$8,463
100053	Short Street	150	1960	\$110,670
100060	Grafton Street	200	1994	\$336,876
100061	Grafton Street	200	1994	\$49,442
100063	Grafton Street	200	1994	\$529,616
100064	Grafton Street	200	1994	\$95,532
100065	Grafton Street	200	1994	\$232,964
100066	Morrows Road	200	1994	\$98,884
100067	Solomon Close	200	1994	\$512,856
100074	Harbour Drive	150	2001	\$18,228
100075	Edinburgh Street	200	1981	\$2,514
100088	Park Beach Road	150	1975	\$216,783
100090	Park Beach Road	150	2001	\$76,245
100099	Pacific Highway	375	1991	\$22,912
100417	Toscan Avenue	450	1977	\$768,924
100422	Pacific Highway	150	2001	\$98,301
100423	North Boambee Road	150	1990	\$59,241
100426	Lyons Road	150	1992	\$33,852
100427	Lyons Road	250	1986	\$209,070
100429	Lyons Road	250	1986	\$136,620
100430	Lyons Road	250	1986	\$62,100
100455	Lourne Avenue	150	1973	\$9,765
100458	Pacific Highway	200	1962	\$7,542
100492	Lindsays Road	150	1988	\$144,522
100499	Edinburgh Street	150	1981	\$2,604
100503	Scarborough Street	150	1965	\$20,832

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
100514	Bayldon Road	150	1970	\$12,369
100536	Lourne Avenue	150	1973	\$12,369
100538	River Street	225	1984	\$19,383
100539	River Street	225	1984	\$124,605
100551	Bark Hut Road	225	1982	\$2,287,194
100558	Bark Hut Road	225	1984	\$9,950
100560	Solitary Islands Way	225	1965	\$370,123
100568	Sawtell Road	250	1972	\$7,245
100569	Solitary Islands Way	300	1980	\$83,567
100581	Coramba Road	300	1962	\$55,319
100586	Toormina Road	300	1980	\$5,885
100587	First Avenue	300	1976	\$12,947
100588	Lyons Road	300	1980	\$7,062
100589	Fourth Avenue	300	1976	\$2,354
100590	Pacific Highway	375	1978	\$37,232
100591	Pacific Highway	375	1978	\$73,032
100595	Robin Street	525	1989	\$7,424
100596	Robin Street	525	1975	\$57,536
100601	Coramba Road	525	1997	\$3,712
100602	Belbowrie Road	525	1985	\$217,152
100607	Crabbe Street	200	1980	\$19,274
100609	Lady Belmore Drive	250	1993	\$73,485
100617	Beryl Street	375	1976	\$789,032
100618	Linden Avenue	375	1986	\$25,776
100619	Crabbe Street	200	1990	\$48,604
100620	Crabbe Street	200	1980	\$32,682
100622	Collingwood Street	200	1977	\$77,096
100623	Sawtell Road	300	1998	\$194,205
100624	Pacific Highway	300	1998	\$174,196
100626	Sawtell Road	375	1998	\$27,208
100627	First Avenue	375	1976	\$638,672
100628	McLean Street	250	1973	\$5,175
100629	Shephards Lane	600	1989	\$26,340
100630	Shephards Lane	600	1989	\$2,195
100631	Shephards Lane	450	1989	\$4,929
100632	Shephards Lane	450	1989	\$8,215
100633	Shephards Lane	375	1989	\$5,728
100634	Linden Avenue	250	1988	\$14,490
100638	Solitary Islands Way	375	1986	\$426,736
100639	Solitary Islands Way	375	1986	\$22,912
100640	Solitary Islands Way	250	1986	\$26,910
100641	Solitary Islands Way	250	1986	\$11,385

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
100642	Solitary Islands Way	250	1986	\$13,455
100643	Karangi Dam	450	2003	\$19,782
100644	Karangi Dam	750	1981	\$7,000
100645	Karangi Dam	750	1981	\$5,600
100646	Upper Orara Road	200	2002	\$129,052
100647	Karangi Dam	1000	1967	\$144,000
100648	Karangi Dam	600	1978	\$118,530
100649	Karangi Dam	600	1978	\$28,535
100650	Karangi Dam	600	1978	\$30,730
100651	Karangi Dam	600	1978	\$28,535
100652	Karangi Dam	600	1978	\$10,975
100653	Karangi Dam	600	1978	\$8,780
100654	Karangi Dam	600	1978	\$136,090
100660	Mount Bishop Road	600	1978	\$76,386
100662	Coramba Road	225	1982	\$20,306
100663	Coramba Road	450	1997	\$46,004
100667	Coramba Road	600	1987	\$48,290
100669	Solitary Islands Way	300	1986	\$16,478
100677	Solitary Islands Way	500	2004	\$37,120
100678	Pacific Highway	500	2007	\$317,376
100679	Solitary Islands Way	225	1984	\$9,230
100681	Upper Orara Road	150	1992	\$24,738
100682	Pacific Highway	375	1974	\$455,376
100684	Coramba Road	750	1987	\$60,200
100685	Solitary Islands Way	300	1986	\$29,425
100686	Solitary Islands Way	300	1986	\$2,354
100687	Solitary Islands Way	300	1986	\$17,655
100689	Solitary Islands Way	300	1986	\$4,708
100690	Solitary Islands Way	300	1986	\$7,062
100691	View Drive	375	1993	\$240,576
100692	Solitary Islands Way	225	1984	\$345,202
100693	Coramba Road	600	1974	\$634,355
100695	Pacific Highway	375	1997	\$317,904
100697	Pacific Highway	375	1979	\$400,960
100700	Sawtell Road	300	1972	\$321,321
100760	North Boambee Road	150	2006	\$245,427
100761	North Boambee Road	150	2006	\$117,180
100762	North Boambee Road	150	2006	\$58,590
100763	North Boambee Road	150	2006	\$52,080
100764	North Boambee Road	150	2006	\$62,496
100765	North Boambee Road	150	2006	\$18,228
100802	Pacific Highway	225	1997	\$48,919

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
100806	Orlando Street	200	1977	\$279,892
100822	Split Solitary Road	150	1981	\$14,973
100823	Split Solitary Road	150	1981	\$11,718
100824	Split Solitary Road	150	1981	\$71,610
100825	Split Solitary Road	150	1981	\$18,228
100826	Split Solitary Road	150	1981	\$158,193
100827	Lakeside Drive	150	1981	\$91,140
100850	Coachmans Close	150	1992	\$9,114
100899	Pacific Highway	200	1982	\$14,246
100933	Roselands Drive	250	2004	\$86,940
101868	Resort Drive	150	1990	\$1,302
101878	Grafton Street	200	1994	\$19,777
101901	Grafton Street	200	1994	\$33,755
102042	Pacific Highway	375	1997	\$455,376
102043	Pacific Highway	150	1997	\$1,302
102044	Macauleys Headland D	450	1985	\$60,791
102046	Macauleys Headland D	450	1985	\$139,655
102048	Mastracolas Road	525	1997	\$31,552
102050	Gerard Drive	150	1997	\$1,953
102051	Gerard Drive	150	1997	\$1,953
102053	Arthur Street	525	1997	\$124,352
102054	Pacific Highway	150	1997	\$651
102057	Pacific Highway	450	1997	\$73,935
102077	Coramba Road	300	1982	\$8,239
102078	Coramba Road	300	1982	\$5,414
102079	Coramba Road	300	1997	\$8,239
102087	Bark Hut Road	375	1984	\$2,864
102088	Bark Hut Road	375	1984	\$5,728
102089	Bark Hut Road	150	1976	\$8,463
102090	Bark Hut Road	150	1976	\$9,114
102093	Kratz Drive	500	1996	\$7,424
102094	Kratz Drive	600	1996	\$2,195
102095	Kratz Drive	600	1996	\$63,655
102118	Emerald Reservoir	375	1979	\$55,848
102119	Emerald Reservoir	375	1979	\$32,936
102120	Emerald Heights Driv	375	1990	\$5,728
102121	Emerald Heights Driv	150	1999	\$26,691
102122	Emerald Heights Driv	150	1999	\$651
102123	Emerald Heights Driv	150	1986	\$651
102124	Emerald Heights Driv	150	1986	\$1,302
102125	Emerald Heights Driv	150	1986	\$1,302
102126	Emerald Heights Driv	150	1986	\$651

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
102127	Emerald Heights Driv	150	1986	\$651
102128	Emerald Heights Driv	150	1986	\$1,953
102129	Emerald Heights Driv	300	1986	\$4,708
102130	Emerald Heights Driv	300	1986	\$1,177
102131	Emerald Reservoir	300	1986	\$27,071
102132	Emerald Reservoir	300	1986	\$25,894
102133	Emerald Heights Driv	300	1986	\$23,540
102135	Emerald Heights Driv	150	1986	\$2,604
102136	Emerald Heights Driv	150	1986	\$1,953
102137	Emerald Heights Driv	150	1986	\$651
102670	Victoria Street	250	1989	\$25,875
102678	James Small Drive	150	1980	\$18,879
102687	Roselands Drive	250	2004	\$61,065
102688	Roselands Drive	250	2004	\$52,785
102708	Pacific Highway	450	1977	\$82,150
102826	North Sapphire Road	200	2006	\$11,732
102827	North Solitary Drive	200	2006	\$11,732
102828	North Solitary Drive	200	2006	\$114,806
102832	North Sapphire Road	200	2006	\$168,438
102835	North Sapphire Road	200	2006	\$74,582
102836	North Sapphire Road	200	2006	\$51,956
102837	North Sapphire Road	200	2006	\$21,788
102856	North Sapphire Road	200	2006	\$30,168
102857	Red Ash Road	200	2006	\$16,760
102859	North Sapphire Road	200	2006	\$55,308
102892	Linden Avenue	150	1988	\$9,114
102893	Sunrise Drive	150	1985	\$15,624
109226	Torrens Way	150	2008	\$63,798
109227	Torrens Way	150	2008	\$15,624
109229	Torrens Way	150	2008	\$7,812
109230	Torrens Way	150	2008	\$24,087
109231	Torrens Way	150	2008	\$14,973
109232	Torrens Way	150	2008	\$19,530
109237	Lakes Drive	200	2008	\$18,436
109238	Lakes Drive	200	2008	\$59,498
109239	Lakes Drive	200	2008	\$25,140
109240	Lakes Drive	200	2008	\$10,056
109241	Eyre Road	150	2008	\$10,416
109456	Moonee Creek Drive	300	2007	\$148,302
109475	Solitary Islands Way	500	2007	\$3,520,832
109476	Pacific Highway	300	2007	\$829,785
109477	Pacific Highway	300	2007	\$7,062

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
109478	Pacific Highway	500	2007	\$63,104
109479	Pacific Highway	450	2007	\$19,716
109480	Pacific Highway	450	2007	\$96,937
109481	Solitary Islands Way	450	2007	\$29,574
109482	Solitary Islands Way	450	2007	\$34,503
109483	Maccues Road	450	2007	\$672,973
109484	Pacific Highway	200	2007	\$12,570
109486	Pacific Highway	200	2007	\$49,442
109487	Solitary Islands Way	200	2007	\$15,084
109489	Solitary Islands Way	200	2007	\$16,760
109490	Solitary Islands Way	200	2007	\$60,336
109492	Maccues Road	200	2007	\$201,958
109494	Maccues Road	200	2007	\$11,732
109495	Maccues Road	200	2007	\$3,352
109496	Maccues Road	200	2007	\$9,218
109561	Industrial Drive	150	2006	\$59,892
109562	Industrial Drive	150	2011	\$15,624
109622	North Sapphire Road	200	2006	\$838
109636	First Avenue	250	1972	\$14,490
109637	First Avenue	250	1972	\$3,105
109639	First Avenue	250	1972	\$22,770
109641	East Bank Road	200	1996	\$25,978
109649	East Bank Road	200	1996	\$8,380
109658	Coramba Road	525	1982	\$11,136
109659	Coramba Road	600	1997	\$4,390
109660	Kratz Drive	375	1996	\$34,368
109661	Kratz Drive	300	1996	\$27,071
109662	Kratz Drive	300	1996	\$14,124
109664	Toscan Lane	450	1985	\$60,791
109665	Coramba Road	300	1987	\$10,593
109666	Coramba Road	450	1987	\$13,144
109667	Coramba Road	450	1987	\$49,290
109668	Coramba Road	450	1987	\$37,789
109669	Coramba Road	450	1987	\$36,146
109670	Coramba Road	450	1987	\$1,643
109671	Coramba Road	600	1987	\$4,390
109672	Toormina Reservoir	300	1980	\$28,248
109673	Toormina Reservoir	300	1985	\$32,779
109674	Belbowrie Road	300	2014	\$20,009
109675	Belbowrie Road	375	2014	\$1,432
109676	Belbowrie Road	450	2014	\$8,215
109677	Belbowrie Road	450	2014	\$1,643

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
109678	Belbowrie Road	450	2014	\$6,572
109679	Belbowrie Road	450	2014	\$16,430
109680	Toormina Reservoir	525	1985	\$90,944
109681	Belbowrie Road	600	2014	\$50,485
109682	Belbowrie Road	600	2014	\$46,095
109690	Pacific Highway	225	1980	\$56,303
109694	Old Coast Road	150	1980	\$9,114
109695	Old Coast Road	150	1980	\$1,302
109696	Old Coast Road	150	1980	\$651
109697	Old Coast Road	150	1980	\$651
109698	Old Coast Road	150	1980	\$1,953
109699	Old Coast Road	300	1980	\$14,124
109700	Old Coast Road	250	1980	\$14,490
109701	Old Coast Road	250	1980	\$3,105
109702	Old Coast Road	250	1980	\$15,525
109703	Kangaroo Trail Road	375	1982	\$12,888
109704	Kangaroo Trail Road	200	1982	\$8,380
109705	Kangaroo Trail Road	200	1982	\$8,380
109706	Kangaroo Trail Road	200	1982	\$1,676
109713	View Drive	450	1993	\$6,572
109743	Moonee Beach Road	200	1999	\$20,112
109798	Arrawarra Beach Road	150	1988	\$14,322
109846	Coramba Road	600	1987	\$103,165
109847	Coramba Road	225	1997	\$1,846
109848	Coramba Road	225	1982	\$4,615
109853	Mastracolas Road	150	1997	\$651
109854	Mastracolas Road	150	1997	\$1,953
109855	Mastracolas Road	375	1997	\$2,864
109856	Mastracolas Road	375	1997	\$2,864
109857	Arthur Street	150	1997	\$651
109858	Arthur Street	150	1997	\$651
109865	North Solitary Drive	200	2006	\$62,012
109866	North Solitary Drive	200	2012	\$9,218
109867	Green Bluff Road	200	2012	\$27,654
109868	North Solitary Drive	200	2012	\$9,218
109869	North Sapphire Road	200	2012	\$26,816
109870	North Sapphire Road	200	2012	\$9,218
109871	North Sapphire Road	200	2012	\$57,822
109872	Green Bluff Road	200	2012	\$9,218
109873	North Solitary Drive	200	2012	\$107,264
109874	North Sapphire Road	200	2008	\$4,190
109875	North Sapphire Road	200	2008	\$9,218

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
109876	North Sapphire Road	200	2008	\$1,676
109877	North Sapphire Road	200	2008	\$76,258
109878	North Sapphire Road	200	2008	\$838
109879	North Sapphire Road	200	2008	\$13,408
109882	North Sapphire Road	200	2008	\$15,922
109883	North Sapphire Road	200	2008	\$13,408
109884	North Sapphire Road	200	2008	\$838
109885	North Sapphire Road	200	2008	\$7,542
109926	North Sapphire Road	250	2008	\$7,245
109927	North Solitary Drive	250	2017	\$27,945
110187	Coriedale Drive	150	2006	\$75,516
110188	Coriedale Drive	150	2006	\$24,087
225268	Upper Orara Road	750	1981	\$1,400
226976	Scarborough Street	525	1986	\$14,848
228837	Newmans Road	225	1984	\$14,768
228838	Eungella Street	450	1979	\$34,503
228839	Eungella Street	450	1979	\$4,929
228840	Eungella Street	450	1979	\$80,507
228841	Norman Hill Drive	300	1992	\$9,416
229002	Pacific Highway	200	1990	\$190,226
229083	Coachmans Close	500	2003	\$757,248
229084	Pacific Highway	375	2004	\$2,864
229085	Pacific Highway	375	2004	\$1,432
229086	Pacific Highway	375	2004	\$1,432
229087	Pacific Highway	375	2004	\$2,864
229088	Pacific Highway	375	2004	\$10,024
229089	Pacific Highway	375	1978	\$451,080
229090	Pacific Highway	300	2004	\$11,770
234769	Buchanans Road	500	1996	\$7,424
234770	Buchanans Road	500	1996	\$812,928
234771	Buchanans Road	150	1996	\$3,906
234772	Buchanans Road	150	1996	\$1,302
234773	Buchanans Road	150	1996	\$1,302
234774	Englands Road	600	1996	\$8,780
234776	Englands Road	150	1996	\$5,208
234786	Pacific Highway	600	1996	\$13,170
234787	Pacific Highway	375	1996	\$126,016
234788	Pacific Highway	375	1996	\$2,864
234789	Pacific Highway	375	1996	\$5,728
234823	Links Avenue	300	2007	\$1,177
234843	Resort Drive	200	2008	\$15,084
234844	Resort Drive	200	2008	\$66,202

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
234845	Resort Drive	200	2008	\$85,476
234846	Resort Drive	200	2008	\$61,174
234925	Victoria St	375	2009	\$71,600
249610	Coramba Road	600	1978	\$2,390,355
249757	North Boambee Road	150	2009	\$9,765
249758	North Boambee Road	150	2009	\$65,751
249759	North Boambee Road	150	2009	\$18,228
259034	Pearce Drive	150	2004	\$39,711
259079	Lophostemon Drive	150	2008	\$49,476
259080	Lophostemon Drive	150	2008	\$2,604
259081	Lophostemon Drive	150	2008	\$10,416
259082	Lophostemon Drive	150	2008	\$17,577
259997	Crabbe Street	200	1980	\$59,498
260027	River Street	225	1979	\$179,985
260028	River Street	525	1986	\$718,272
279944	Pacific Highway	375	1987	\$1,432
279946	Isles Drive	150	1994	\$1,953
279953	Solitary Islands Way	525	1986	\$1,187,840
279954	Mastracolas Road	525	1997	\$133,632
289901	Moonee Creek Drive	300	2014	\$162,426
289902	Moonee Creek Drive	300	2014	\$11,770
289940	Lyons Road	200	2002	\$167,600
289941	Bambara Drive	200	2007	\$22,626
289942	Bambara Drive	200	2007	\$15,084
289943	Bambara Drive	200	2007	\$104,750
289944	Bambara Drive	200	2007	\$11,732
289945	Bambara Drive	200	2007	\$4,190
289946	Bambara Drive	200	2007	\$13,408
298929	Charlesworth Bay Dri	200	1989	\$17,598
304148	Coramba Road	200	1991	\$36,034
304149	Coramba Road	200	1991	\$202,796
304181	Isles Drive	150	2001	\$5,208
332191	Campbell Close	375	1978	\$234,848
332192	Solitary Islands Way	375	2010	\$101,672
332193	Solitary Islands Way	375	2010	\$18,616
332194	Campbell Close	375	2010	\$655,856
332199	Pacific Highway	375	1978	\$113,128
336175	Moonee Beach Road	200	1999	\$73,744
336177	Hunter Close	300	2010	\$324,852
336178	Solitary Islands Way	300	2010	\$30,602
336179	Solitary Islands Way	300	2010	\$84,744
336180	Solitary Islands Way	300	2010	\$21,186

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
336181	Solitary Islands Way	300	2010	\$5,885
336182	Sapphire Crescent	300	2010	\$168,311
336191	Hunter Close	375	2010	\$413,848
336192	Solitary Islands Way	375	2010	\$61,576
336193	Solitary Islands Way	375	2010	\$94,512
336197	Solitary Islands Way	375	2010	\$1,151,328
336201	Crystal Drive	375	2010	\$51,552
336203	Solitary Islands Way	375	2010	\$883,544
336209	North Sapphire Road	375	2010	\$181,864
336216	North Solitary Drive	375	2009	\$1,061,112
336217	Pacific Highway	375	2009	\$286,400
336218	Pacific Highway	375	2009	\$572,800
336219	Pacific Highway	225	2009	\$7,384
336220	Pacific Highway	500	2009	\$426,880
336221	Pacific Highway	300	2009	\$137,709
336222	Pacific Highway	300	2009	\$62,381
336239	Pacific Highway	200	2009	\$5,028
336241	Solitary Islands Way	200	2009	\$304,194
336243	Solitary Islands Way	200	2009	\$54,470
336244	Pacific Highway	200	2009	\$50,280
336245	Pacific Highway	200	2009	\$24,302
336246	Pacific Highway	200	2009	\$12,570
336247	Pacific Highway	200	2009	\$49,442
336248	Pacific Highway	200	2009	\$84,638
336617	Moonee Beach Road	375	2010	\$60,144
336618	Moonee Beach Road	300	2010	\$49,434
336619	Moonee Beach Road	375	2010	\$105,968
336620	Moonee Beach Road	300	2010	\$87,098
336621	Pacific Highway	150	2010	\$5,859
336622	Pacific Highway	150	2010	\$11,067
336623	Pacific Highway	150	2010	\$27,342
336624	Solitary Islands Way	150	2010	\$20,181
336625	Solitary Islands Way	150	2010	\$39,060
336630	Pacific Highway	375	2010	\$598,576
336631	Pacific Highway	375	2010	\$179,000
336632	Pacific Highway	375	2010	\$35,800
336633	Pacific Highway	375	2010	\$47,256
336634	Pacific Highway	375	2010	\$44,392
336635	Solitary Islands Way	375	2010	\$584,256
336636	Solitary Islands Way	375	2010	\$97,376
336637	Pacific Highway	375	2010	\$64,440
336821	Pacific Highway	300	2010	\$2,096,237

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
336822	Pacific Highway	300	2010	\$24,717
336823	Solitary Islands Way	300	2010	\$38,841
336824	Pacific Highway	300	2010	\$38,841
336825	Pacific Highway	300	2010	\$481,393
336826	Pacific Highway	300	2010	\$80,036
336827	Pacific Highway	300	2010	\$54,142
336828	Solitary Islands Way	200	2010	\$9,218
336829	Maccues Road	200	2007	\$78,772
336835	Pacific Highway	375	2009	\$1,676,872
337174	Pacific Highway	375	2010	\$290,696
337175	Pacific Highway	300	2010	\$240,108
337176	Pacific Highway	375	2010	\$20,048
337177	Pacific Highway	300	2010	\$15,301
337178	Pacific Highway	375	2010	\$120,288
337179	Pacific Highway	375	2010	\$1,651,096
338674	Old Coast Road	300	1980	\$96,514
338717	Halls Road	200	2008	\$165,086
338718	Halls Road	200	2008	\$13,408
338719	Halls Road	200	2008	\$5,028
338720	Halls Road	225	2008	\$35,074
338721	Halls Road	225	2008	\$183,677
338722	Halls Road	225	2008	\$10,153
338738	Coral Drive	300	1978	\$14,124
338739	Coral Drive	225	2010	\$16,614
356999	Hearnes Lake Road	150	2010	\$194,649
357008	Fiddaman Road	300	1996	\$87,098
357009	Pacific Highway	300	2010	\$3,531
357010	Pacific Highway	300	2010	\$9,416
357011	Pacific Highway	300	2010	\$109,461
357012	Fiddaman Road	300	2010	\$16,478
357018	Pacific Highway	375	2010	\$101,672
357019	Pacific Highway	375	2010	\$44,392
357020	Pacific Highway	300	2010	\$35,310
357021	Pacific Highway	375	2010	\$163,248
367044	Lake Breeze Lane	375	2010	\$38,664
368756	Lake Breeze Lane	300	2010	\$8,239
368757	Pacific Highway	300	2010	\$31,779
368758	Lake Breeze Lane	375	2010	\$75,896
368759	Lake Breeze Lane	300	2010	\$61,204
368760	Lake Breeze Lane	375	2010	\$380,912
368761	Lake Breeze Lane	300	2010	\$313,082
368762	Lake Breeze Lane	300	2010	\$15,301

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
368763	Pacific Highway	375	2010	\$1,270,184
368764	Lake Breeze Lane	300	2010	\$44,726
368765	Pacific Highway	300	2010	\$7,062
368766	Pacific Highway	375	2010	\$40,096
368767	Pacific Highway	300	2010	\$32,956
368768	Pacific Highway	300	2010	\$5,885
368769	Pacific Highway	375	2010	\$84,488
368770	Pacific Highway	300	2010	\$70,620
368771	Pacific Highway	300	2010	\$25,894
368772	Pacific Highway	375	2010	\$31,504
368773	Pacific Highway	300	2010	\$7,062
368774	Pacific Highway	375	2010	\$388,072
368775	Pacific Highway	300	2010	\$43,549
368795	Pearce Drive	150	2010	\$43,617
368796	Pearce Drive	150	2010	\$9,114
368797	Pearce Drive	150	2010	\$3,906
368879	Hogbin Drive	200	1993	\$657,830
368883	Dalley Street	250	2000	\$18,630
368884	Albany Street	250	2000	\$65,205
368885	Albany Street	250	2000	\$16,560
368888	Marina Drive	150	1994	\$12,369
369061	Old Coast Road	375	1980	\$73,032
369063	Robin Street	150	1988	\$13,020
369076	Pacific Highway	375	1979	\$5,728
369079	Upper Orara Road	600	1967	\$245,840
371289	Everingham Place	200	2006	\$75,420
371290	Woolgoolga Road	225	2006	\$59,072
371291	Grafton Street	250	2006	\$11,385
371299	Harbour Drive	150	1989	\$17,577
371337	Kangaroo Trail Road	300	1982	\$14,124
371359	Scarborough Street	150	1981	\$16,275
371369	William Sharp Drive	450	2010	\$42,718
371370	William Sharp Drive	450	2010	\$37,789
371372	William Sharp Drive	450	2010	\$9,858
371403	Shephards Lane	250	2002	\$1,035
371483	Upper Orara Road	600	1978	\$13,170
371491	Karangi Dam	750	1981	\$11,200
371493	Karangi Dam	375	1981	\$5,728
371496	Karangi Dam	750	1981	\$8,400
371508	Karangi Dam	600	1978	\$2,195
371600	Upper Orara Road	300	1979	\$3,531
371612	Pacific Highway	225	1980	\$55,657

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
371613	Solitary Islands Way	225	2010	\$27,690
380150	Scarborough Street	225	2011	\$102,453
380192	Seacrest Boulevard	150	2010	\$60,543
380194	Oceanic Drive	150	2010	\$5,859
380195	Oceanic Drive	225	1979	\$169,832
380196	Pacific Highway	200	2011	\$20,950
380197	Pacific Highway	200	2011	\$1,676
380198	Pacific Highway	200	2011	\$1,676
380199	Pacific Highway	200	2011	\$387,156
387012	Barkhut PS	225	1982	\$23,998
387014	Newmans Road	300	1966	\$149,479
387015	Newmans Road	300	1981	\$4,708
387016	Newmans Road	300	1981	\$4,708
387017	Newmans Road	300	1981	\$7,062
387018	Newmans Road	300	1981	\$4,708
387040	Eyre Road	150	2010	\$20,832
387042	Eyre Road	150	2010	\$41,664
387043	Eyre Road	150	2010	\$11,067
387044	Eyre Road	150	2010	\$66,402
387045	Eyre Road	150	2010	\$57,939
387065	Upper Orara Road	750	2015	\$340,200
387066	Upper Orara Road	750	2015	\$322,000
387067	Upper Orara Road	150	2015	\$1,953
387070	Upper Orara Road	600	1967	\$2,195
387071	Upper Orara Road	600	1967	\$4,390
387072	Upper Orara Road	600	1967	\$2,473,765
387093	Christmas Bells Road	200	1993	\$38,548
387236	Upper Orara Road	300	1978	\$7,062
387243	Coramba Road	600	1978	\$3,415,420
387246	Emerald Heights Driv	300	1986	\$23,540
387247	Solitary Islands Way	300	1986	\$17,655
387248	Harbour Drive	150	1995	\$18,228
387249	Solitary Islands Way	225	1979	\$15,691
387254	Victoria Street	375	1981	\$14,320
388524	Three Islands Court	300	1977	\$3,531
388526	Three Islands Court	450	1996	\$60,791
388527	Three Islands Court	450	1977	\$128,154
388540	Ted Ovens Drive	150	2012	\$24,087
388549	Stadium Drive	200	1998	\$204,011
388585	Pacific Highway	375	1991	\$1,051,088
388617	Arthur Street	300	1997	\$75,328
389148	Diamond Head Drive	300	2013	\$30,602

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
389149	Diamond Head Drive	300	2013	\$70,620
389150	Diamond Head Drive	300	2013	\$12,947
389151	Diamond Head Drive	225	2013	\$33,228
389152	Diamond Head Drive	300	2013	\$16,478
389156	Diamond Head Drive	225	2013	\$28,613
389157	Diamond Head Drive	225	2013	\$14,768
389162	Pacific Highway	375	1996	\$4,296
390989	Spagnoles Road	450	2013	\$407,464
391107	Seashell Avenue	225	2013	\$265,824
391133	Solitary Islands Way	225	2012	\$200,291
398342	Halls Rd Te	225	2008	\$147,680
398353	Kratz Drive	225	2012	\$227,981
398360	Maccues Road	200	2007	\$26,816
398361	Maccues Road	300	2007	\$29,543
398483	Pacific Highway	250	2012	\$8,280
398484	Pacific Highway	250	2012	\$86,940
398485	Pacific Highway	250	2012	\$8,280
398486	Pacific Highway	250	2012	\$46,575
398487	Pacific Highway	250	2012	\$11,385
398488	Pacific Highway	250	2012	\$23,805
398489	Pacific Highway	250	2012	\$40,365
398494	North Boambee Road	150	2012	\$9,114
398495	Pacific Highway	150	2012	\$9,114
398564	Pacific Highway	150	2012	\$7,161
398565	Pacific Highway	150	2012	\$3,906
398656	Cochranes Pool (WPS		1980	\$950,130
398665	Cochranes Pool Mech		1980	\$339,658
398695	Telemetry		2004	\$18,503
398696	Cochranes Pool All		1980	\$23,789
398697	Telemetry		1980	\$18,503
399029	Solitary Islands Way	500	2004	\$837,056
399031	Crystal Drive	500	2014	\$358,208
399062	Albany Street	200	2014	\$82,962
399063	Albany Street	200	2014	\$62,012
399064	Albany Street	200	2014	\$21,788
399068	Dammerel Crescent	200	2014	\$325,144
399069	Dammerel Crescent	200	2014	\$4,190
404467	Red Hill Balance Tan	500	2013	\$5,568
404468	Coramba Road	750	1987	\$4,200
404497	Belbowrie Road	525	2014	\$5,568
404503	Solitary Islands Way	225	1982	\$563,953
404504	Pacific Highway	375	1986	\$294,992

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
404526	Bark Hut Road	225	2014	\$18,922
404527	Solitary Islands Way	375	1986	\$71,600
418699	Coramba Road	600	1987	\$17,560
419025	Lyons Road	250	1986	\$46,575
419031	Sullivans Road	300	2014	\$177,727
419032	Sullivans Road	300	2014	\$131,824
419033	Sullivans Road	300	2014	\$21,186
419036	Lyons Road	250	1986	\$14,490
419057	Griffith Avenue	200	2014	\$81,286
419088	Pacific Highway	375	1988	\$136,040
419090	Solitary Islands Way	225	2014	\$7,384
427781	Pacific Highway	200	2012	\$104,750
427782	Pacific Highway	200	1962	\$263,970
427783	Pacific Highway	150	2012	\$207,669
428156	Coral Street	300	2014	\$38,841
428157	Coral Street	300	2014	\$21,186
428158	Coral Street	300	2014	\$162,426
428159	Coral Street	300	2014	\$5,885
428160	Coral Street	300	2014	\$120,054
428162	Coral Street	300	2014	\$20,009
428164	Coral Street	300	2014	\$21,186
428200	Coral Street	300	2014	\$14,124
428201	Coral Street	300	2014	\$276,595
428202	Coral Street	300	2014	\$16,478
428215	Lyons Road	250	1986	\$13,455
441302	Sullivans Road	150	2015	\$121,737
441304	Sullivans Road	150	2015	\$7,161
441305	Sullivans Road	150	2015	\$32,550
441306	Sullivans Road	150	2015	\$6,510
441307	Arthur Street	150	2014	\$38,409
441308	Arthur Street	150	2014	\$85,932
441433	Jarrett Street	150	2014	\$1,302
441434	Harbour Drive	150	2014	\$39,060
441846	Pacific Highway	375	1997	\$2,864
446308	Norman Hill Drive	375	1980	\$38,664
446309	James Small Drive	375	1980	\$14,320
446310	James Small Drive	150	1980	\$1,302
447646	Flow Meter		2018	\$18,503
1000015	5/852521		1995	\$57,996
1000016	2/852521		1995	\$202,987
1000017	3/852521		1995	\$263,620
1000044	2/1083920		1974	\$457,381

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1000045	3/859305		1974	\$2,636
1000046	2/623088		1974	\$2,636
1000047	1/623088		1974	\$2,636
1000048	1/109727		1974	\$7,909
1000049	2/109727		1974	\$3,954
1000050	19/250565		1974	\$2,636
1000051	14/250565		1974	\$1,977
1000052	100/854563		1974	\$1,977
1000053	7/578274		1974	\$1,977
1000054	4/859305		1974	\$32,953
1000055	121/584548		1974	\$139,719
1000056	9/250565		1974	\$166,081
1000057	10/250565		1974	\$180,580
1000058	2/578115		1974	\$184,534
1000059	4/578274		1974	\$440,245
1000060	1/578115		1974	\$603,690
1000061	131/586701		1974	\$6,591
1000066	5/610819		2012	\$494,288
1000067	4/610819		2012	\$40,861
1000102	Cochranes Pool Access		2015	\$108,109
1000110	Solitary Islands Way	225	2016	\$16,522
1000112	Solitary Islands Way	225	2016	\$23,398
1000115	Solitary Islands Way	225	2016	\$28,013
1000116	Solitary Islands Way	225	2016	\$63,475
1000120	Solitary Islands Way	225	2016	\$29,213
1000121	Strawberry Close	225	2016	\$6,830
1000221	Seashell Avenue	150	2017	\$19,947
1000287	Roselands Drive	300	2014	\$123,585
1000326	Turpentine Avenue	300	1978	\$34,133
1000563	Solitary Islands Way	225	2012	\$250,687
1000564	Solitary Islands Way	225	2012	\$16,060
1000565	Arrawarra Beach Road	150	1986	\$70,425
1000566	Arrawarra Beach Road	225	2015	\$32,185
1000567	Solitary Islands Way	225	2015	\$568,937
1000568	Solitary Islands Way	200	1986	\$754,200
1000569	Solitary Islands Way	225	1986	\$314,835
1000571	Solitary Islands Way	200	1986	\$77,096
1000572	Solitary Islands Way	225	2015	\$115,837
1000926	Coramba Road	300	1995	\$86,733
1000927	Coramba Road	300	1995	\$6,038
1000928	Coramba Road	300	1995	\$23,057
1000929	Coramba Road	300	1995	\$66,371

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1000930	Coramba Road	300	1995	\$91,677
1000931	Coramba Road	300	1995	\$6,403
1000932	Pacific Highway	200	1982	\$70,811
1000933	Pacific Highway	200	1982	\$61,970
1001791	Solitary Islands Way	225	2016	\$189,215
1001792	SOLITARY ISLANDS WAY	225	2016	\$120,913
1001793	Solitary Islands Way	225	2016	\$12,922
1001794	Solitary Islands Way	225	2016	\$161,525
1001795	SOLITARY ISLANDS WAY	225	2016	\$36,920
1001796	Coral Drive	225	2016	\$96,915
1001797	Coral Drive	225	2016	\$3,692
1001798	Solitary Islands Way	225	2016	\$10,153
1001800	Solitary Islands Way	225	2016	\$5,538
1001801	Solitary Islands Way	225	2016	\$11,076
1001802	Solitary Islands Way	225	1980	\$618,410
1001803	Coral Drive	225	2016	\$11,999
1001805	Dress Circle	300	2016	\$18,761
1004078	Reservoir Roof		2017	\$1,869
1004080	Reservoir Roof		2020	\$643,065
1004096	Reservoir Building R		2012	\$561
1004123	RTU		1995	\$18,503
1004142	RTU		2012	\$38,327
1004345	Pump		1980	\$337,014
1004346	Pump		1980	\$337,014
1004347	Pump		1980	\$220,711
1004348	Pump		1980	\$220,711
1004355	Pump		2004	\$37,006
1004356	Pump		2004	\$37,006
1004359	Switchboard, WPS		1980	\$485,036
1004360	Switchboard,WPS		1980	\$773,151
1004364	Switchboard,WPS		2004	\$98,461
1004372	RTU		2004	\$18,503
1007793	Harbour Drive	200	2017	\$26,816
1008012	Duke Street	150	2016	\$22,277
1008269	Boulthwood Street	300	1976	\$23,822
1008373	Pacific Highway	200	2016	\$23,213
1008375	Pacific Highway	200	1997	\$9,218
1008478	Diamond Head Drive	300	1994	\$6,474
1008486	Pacific Highway	150	2012	\$27,993
1008487	North Boambee Road	150	1990	\$8,528
1008495	Orlando Street	225	1988	\$178,139
1008496	Orlando Street	225	1988	\$98,761

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1008627	Hearnes Lake Road	150	2010	\$130,851
1009005	Fiddaman Road	150	2016	\$46,872
1009006	Solitary Islands Way	150	2016	\$43,617
1009007	Sunshine Circuit	150	2016	\$15,299
1009008	Sunshine Circuit	150	2016	\$55,140
1009009	Sunshine Circuit	100	2016	\$16,453
1009010	Sunshine Circuit	100	2016	\$21,412
1009011	Sunshine Circuit	150	2016	\$74,865
1009012	Sunshine Circuit	150	2016	\$6,185
1009013	Sunshine Circuit	150	2016	\$16,080
1009014	Sunshine Circuit	100	2016	\$2,108
1009073	Pearce Drive	150	2016	\$78,771
1009162	North Solitary Drive	250	2017	\$27,117
1009164	North Solitary Drive	250	2017	\$12,420
1009165	North Solitary Drive	250	2017	\$35,190
1009166	North Solitary Drive	250	2017	\$41,141
1009167	North Solitary Drive	250	2017	\$39,071
1009168	North Solitary Drive	250	2017	\$14,490
1009170	North Solitary Drive	250	2017	\$68,828
1009171	North Solitary Drive	250	2017	\$8,901
1009172	North Solitary Drive	250	2017	\$1,242
1009173	North Solitary Drive	250	2017	\$71,674
1009175	North Solitary Drive	250	2017	\$9,056
1009176	North Solitary Drive	250	2017	\$68,517
1009177	North Solitary Drive	250	2017	\$12,058
1009179	North Solitary Drive	250	2017	\$133,360
1009180	North Solitary Drive	250	2017	\$1,346
1009181	North Solitary Drive	250	2017	\$11,075
1009912	Solitary Islands Way	225	2017	\$19,955
1009913	Solitary Islands Way	225	2017	\$5,077
1009914	Solitary Islands Way	225	2017	\$68,348
1009915	Solitary Islands Way	225	2017	\$10,495
1009916	Solitary Islands Way	225	2017	\$22,226
1009917	Solitary Islands Way	225	2017	\$31,650
1009918	Whitton Place	225	2017	\$41,775
1009919	Whitton Place	225	2017	\$30,459
1009920	Whitton Place	225	2017	\$42,606
1009921	Whitton Place	225	2017	\$5,077
1009922	Whitton Place	225	2017	\$31,077
1009923	Whitton Place	225	2017	\$46,510
1009924	Whitton Place	225	2017	\$20,084
1009925	Whitton Place	225	2017	\$5,270

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1009926	Solitary Islands Way	225	1986	\$761,014
1009929	Whitton Place	375	2017	\$38,664
1009976	Woolgoolga Road	200	1976	\$105,965
1009977	Woolgoolga Road	200	1976	\$14,246
1009978	Woolgoolga Road	150	2017	\$11,067
1010274	Sullivans Road	300	2017	\$8,121
1010275	Pacific Highway	300	2017	\$102,787
1010276	Pacific Highway	300	2017	\$49,104
1010279	Pacific Highway	300	2017	\$200
1010280	Salamander Street	150	2017	\$74,331
1010281	Salamander Street	150	2017	\$11,458
1010282	Salamander Street	150	2017	\$9,843
1010283	Salamander Street	150	2017	\$69,305
1010290	Pacific Highway	300	2017	\$37,076
1010291	Pacific Highway	300	2017	\$198,325
1010294	Pacific Highway	300	2017	\$18,832
1010296	Pacific Highway	300	2017	\$254,232
1010297	Pacific Highway	300	2017	\$14,124
1010298	Pacific Highway	300	2017	\$504,933
1010301	Pacific Highway	300	2017	\$18,832
1010302	Pacific Highway	300	2017	\$310,340
1010306	Pacific Highway	300	2017	\$2,954
1010308	Pacific Highway	300	2017	\$7,062
1010310	Pacific Highway	300	2017	\$6,474
1010311	Pacific Highway	300	2017	\$327,077
1010313	Pacific Highway	300	2017	\$82,237
1010315	Pacific Highway	300	2017	\$122,008
1010320	Lake Breeze Lane	300	2017	\$123,350
1010323	Pacific Highway	300	2017	\$582,921
1010326	Pacific Highway	300	2017	\$259,787
1010328	Settlers Road	300	2017	\$48,751
1010330	Pacific Highway	300	2017	\$305,208
1010332	Pacific Highway	300	2017	\$13,971
1010334	Pacific Highway	300	2017	\$461,984
1010337	Emerald Heights Driv	300	2017	\$148,643
1010339	Topaz Drive	300	2017	\$166,051
1010341	Capizzi Close	300	2017	\$13,747
1010342	Capizzi Close	300	2017	\$162,414
1010343	Capizzi Close	300	2017	\$23,505
1010344	Capizzi Close	300	2017	\$227,491
1010346	Pacific Highway	300	2017	\$72,927
1010578	Stadium Drive	200	2017	\$79,359

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1010584	Ocean Street	300	1996	\$1,766
1010586	Stefan Close	150	1999	\$651
1010587	Stefan Close	150	1999	\$651
1010588	Stefan Close	150	1999	\$651
1010589	Solitary Islands Way	375	1979	\$5,012
1010590	Brothers Drive	150	2017	\$59,261
1010903	Toormina Reservoir	300	1979	\$5,767
1010904	Toormina Reservoir	300	1979	\$4,355
1010905	Toormina Reservoir	300	1985	\$13,889
1010908	Toormina Reservoir	300	2017	\$6,591
1010909	Toormina Reservoir	300	2017	\$6,591
1010910	Toormina Reservoir	300	2017	\$28,248
1010946	Park Beach Road	150	2017	\$35,154
1010947	Park Beach Road	150	2017	\$2,604
1011114	Upper Orara Road	600	1978	\$4,390
1011137	Kangaroo Trail Road	300	1982	\$15,890
1011138	Lady Belmore Drive	375	1993	\$95,944
1011140	Diamond Head Drive	225	2019	\$14,768
1011141	Diamond Head Drive	225	2019	\$14,307
1011142	Diamond Head Drive	225	2019	\$13,384
1011143	Diamond Head Drive	225	2019	\$21,691
1011144	Diamond Head Drive	225	2019	\$171,909
1011145	Diamond Head Drive	225	2019	\$203,983
1011156	Lindsays Road	100	2007	\$3,581
1011157	Toscan Avenue	450	1977	\$21,359
1011388	Harbour Drive	200	2017	\$32,263
1011394	Solitary Islands Way	225	2018	\$73,037
1011395	Solitary Islands Way	225	2018	\$115,449
1011396	Solitary Islands Way	225	2018	\$14,307
1011397	West High Street	200	2018	\$77,934
1011398	West High Street	200	2018	\$12,151
1011742	North Solitary Drive	500	2007	\$1,267,648
1011743	North Solitary Drive	500	2018	\$121,160
1011744	North Solitary Drive	375	2018	\$78,173
1011795	Coramba Road	300	2017	\$20,009
1011802	Coramba Road	300	2017	\$222,630
1011803	Coramba Road	300	2017	\$183,141
1012059	Bay Drive	200	2008	\$20,950
1012099	Coramba Road	150	2018	\$498,243
1012100	Coramba Road	150	2018	\$20,832
1012101	Coramba Road	150	2018	\$454,398
1012123	Coramba Road	150	2018	\$182,931

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1012124	Coramba Road	150	2018	\$55,986
1012125	Casuarina Lane	150	2018	\$399,063
1012126	Upper Orara Road	150	2018	\$8,463
1012127	Solitary Islands Way	525	1986	\$246,848
1012128	Solitary Islands Way	225	1980	\$119,990
1012130	Solitary Islands Way	225	1980	\$291,668
1012131	Solitary Islands Way	525	2010	\$102,080
1012132	Solitary Islands Way	525	2010	\$154,048
1012133	Solitary Islands Way	525	2010	\$562,368
1012134	Solitary Islands Way	525	2010	\$701,568
1012135	Solitary Islands Way	525	2010	\$48,256
1012136	Solitary Islands Way	525	2010	\$105,792
1012137	Solitary Islands Way	525	2010	\$50,112
1012138	Solitary Islands Way	525	2010	\$61,248
1012139	Solitary Islands Way	225	2010	\$47,073
1012140	Solitary Islands Way	225	2010	\$76,609
1012141	Solitary Islands Way	225	2010	\$277,823
1012142	Solitary Islands Way	225	2010	\$348,894
1012143	Solitary Islands Way	225	2010	\$23,075
1012144	Solitary Islands Way	225	2010	\$55,380
1012145	Solitary Islands Way	225	2010	\$25,844
1012146	Solitary Islands Way	225	2010	\$27,690
1012309	William Sharpe Drive	600	1989	\$684,840
1012320	Solitary Islands Way	225	1979	\$81,686
1012337	Solitary Islands Way	200	2018	\$112,292
1013131	Solitary Islands Way	200	2018	\$48,395
1013133	Solitary Islands Way	200	2018	\$104,666
1013135	Solitary Islands Way	200	2018	\$109,275
1013137	Solitary Islands Way	200	2018	\$91,552
1013190	Norman Hill Drive	300	1992	\$16,066
1013217	Dyer Road	375	1974	\$1,432
1013218	Dyer Road	375	1974	\$2,005
1013219	Kratz Drive	750	1993	\$631,400
1013278	Coramba Road	300	1997	\$1,766
1013578	Toormina Reservoir	450	2014	\$9,299
1013579	Toormina Reservoir	450	2014	\$14,836
1013610	Hannaford Place	450	1996	\$5,751
1013611	Spagnollos Road	150	2013	\$1,432
1013612	Spagnollos Road	150	2013	\$423
1013617	Spagnollos Road	150	2013	\$1,335
1013618	Spagnollos Road	150	2013	\$339
1013621	Spagnollos Road	150	2013	\$1,387

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1013622	Spagnolos Road	150	2013	\$1,712
1013623	Sawtell Road	150	1984	\$154,860
1013625	Sawtell Road	300	1972	\$173,019
1013627	Pacific Highway	375	1979	\$6,158
1013628	Pacific Highway	300	2017	\$5,096
1013629	Solitary Islands Way	100	2004	\$1,227
1013630	Pacific Highway	375	1979	\$71,600
1013631	Pacific Highway	300	2017	\$3,449
1013682	Mullaway Drive	200	1988	\$35,657
1013683	Mullaway Drive	200	1988	\$100,392
1013859	Mermaid Drive	225	2018	\$9,045
1013860	Mermaid Drive	225	2018	\$15,876
1013861	Mermaid Drive	225	2018	\$15,986
1013862	Mermaid Drive	225	2018	\$16,005
1013863	Mermaid Drive	225	2018	\$98,558
1013864	Mermaid Drive	225	2018	\$71,662
1013866	Mermaid Drive	225	2018	\$149,203
1013867	Mermaid Drive	225	2018	\$10,753
1013869	Mermaid Drive	225	2013	\$45,079
1014098	Coriedale Drive	150	2019	\$50,127
1014099	Coriedale Drive	150	2019	\$12,597
1014100	Pearce Drive	200	2019	\$23,632
1014101	Pearce Drive	200	2019	\$59,247
1014102	Pearce Drive	200	2019	\$1,508
1014103	Pearce Drive	200	2019	\$72,990
1014104	Pearce Drive	200	2019	\$16,844
1014105	Pearce Drive	200	2019	\$14,120
1014364	Bambara Drive	200	2020	\$27,838
1014365	Bambara Drive	200	2020	\$39,663
1014395	Lakes Drive	180	2019	\$11,002
1014396	Lophostemon Drive	150	2019	\$48,239
1014398	Lophostemon Drive	150	2019	\$41,404
1014400	Lophostemon Drive	150	2019	\$5,924
1014443	Ann Street	150	2019	\$26,366
1014444	Ann Street	150	2019	\$51,201
1014445	Ann Street	150	2019	\$15,266
1014456	Pacific Highway	200	1962	\$13,408
1014457	Pacific Highway	200	1962	\$29,456
1014458	Pacific Highway	200	2019	\$10,517
1014459	Pacific Highway	200	2019	\$151,888
1014460	Pacific Highway	200	2019	\$53,297
1014878	Blackbutt Avenue	150	2019	\$7,649

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1014879	Coral Drive	150	2019	\$28,872
1014880	Oceanic Drive	150	2019	\$3,906
1014925	Stadium Drive	200	2017	\$3,042
1014932	Stadium Drive	200	1998	\$56,272
1014948	Woolgoolga Road	200	1976	\$49,065
1014949	Woolgoolga Road	200	2020	\$9,553
1014950	Woolgoolga Road	200	2020	\$9,847
1014951	Woolgoolga Road	200	2020	\$47,766
1014970	Christmas Bells Road	300	1994	\$6,120
1015032	King Street	525	1971	\$14,477
1015033	King Street	525	1971	\$7,424
1015034	King Street	525	1986	\$4,826
1015035	King Street	375	1986	\$3,723
1015036	King Street	375	1986	\$1,432
1015037	King Street	225	1986	\$1,015
1015160	Reservoir Building		2012	\$1,385
1015161	Upper Orara Road		1980	\$8,312
1015179	Upper Orara Road		1980	\$1,759
1015211	Upper Orara Road		1980	\$2,523
1015229	Upper Orara Road		1980	\$1,121
1015472	James Small Drive	150	2016	\$29,881
1015636	Coramba Road	150	1987	\$1,497
1015650	Toormina Reservoir	300	1985	\$3,931
1015651	Toormina Reservoir	300	1985	\$15,066
1015652	Toormina Reservoir	300	1985	\$5,650
1015653	Toormina Reservoir	300	1985	\$5,885
1015654	Toormina Reservoir	300	1985	\$9,298
1015655	Toormina Reservoir	300	1985	\$13,771
1015656	Toormina Reservoir	300	1985	\$6,709
1015767	Cornish Street	150	1980	\$326
1015875	Bark Hut Road	375	2010	\$249,454
1015876	Palmer Road	375	2010	\$52,841
1015877	Palmer Road	375	2010	\$77,614
1015878	Bark Hut Road	225	2010	\$160,602
1015879	Palmer Road	225	2010	\$33,505
1015880	Palmer Road	225	2010	\$133,004
1015881	Palmer Road	225	2010	\$82,239
1015889	Moonee Creek Drive	300	2020	\$174,467
1015890	Moonee Creek Drive	300	2020	\$26,918
1015891	Moonee Creek Drive	300	2020	\$149,055
1015892	Moonee Creek Drive	300	2020	\$16,407
1015893	Moonee Creek Drive	300	2020	\$16,702

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Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1015903	Moonee Creek Drive	300	2020	\$6,803
1016377	Short Street	150	1960	\$7,018
1016434	Sawtell Road	250	1972	\$280,361
1016693	Argyll Street	150	2020	\$11,308
1016694	Argyll Street	150	2020	\$1,953
1016695	Argyll Street	150	2020	\$2,083
1016723	Pacific Highway	600	1977	\$153,145
1016729	Gerard Drive	150	1997	\$2,461
1016739	Coral Drive	225	2020	\$70,480
1017071	Coramba Road	750	1987	\$12,782
1017072	Coramba Road	600	1987	\$5,553
1017073	Coramba Road	600	1987	\$4,346
1017083	Flow Meter		2008	\$23,789
1017084	Flow Meter		2008	\$18,503
1017085	Flow Meter		2008	\$23,789
1017086	Flow Meter		2008	\$23,789
1017087	Flow Meter		2008	\$23,789
1017088	Upper Orara Road	150	1992	\$1,777
1017089	Upper Orara Road	150	1992	\$1,087
1017090	Upper Orara Road	150	2015	\$3,196
1017091	Upper Orara Road	150	2015	\$651
1017094	Upper Orara Road	150	2015	\$1,628
1017096	Upper Orara Road	150	2015	\$1,628
1017097	Upper Orara Road	150	2015	\$1,628
1017098	Upper Orara Road	150	2015	\$1,628
1017103	Upper Orara Road	150	2015	\$1,953
1017106	Upper Orara Road	150	2015	\$1,823
1017189	Sawtell Road	300	2020	\$142,017
1017190	Sawtell Road	300	2020	\$1,130
1017191	Mullaway Drive	250	2020	\$60,899
1017192	Mullaway Drive	250	2020	\$228,973
1017205	Sawtell Road	300	2020	\$67,360
1017220	Davit Arm		2020	\$18,503
1017655	Arthur Street	250	2019	\$229,284
1017955	Maccues Road	200	2007	\$1,156
1018068	Angler Crescent	200	2021	\$45,302
1018108	Beach Street	150	1965	\$15,657
1018128	Aviation Drive	200	2019	\$214,193
1018129	Aviation Drive	200	2019	\$29,757
1018130	Aviation Drive	200	2019	\$280,789
1018131	Aviation Drive	300	2019	\$53,306
1018365	Safety Beach Drive	150	2020	\$22,440

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1018366	Schofield Drive	150	2020	\$10,950
1018367	Safety Beach Drive	150	2020	\$214,426
1018517	Pacific Highway	450	1980	\$558,784
1018518	Pacific Highway	450	1980	\$36,130
1022487	Anderson Street	150	2021	\$15,624
1022488	Hobbs Crescent	150	2021	\$6,836
1022496	Hobbs Crescent	150	2021	\$43,943
1022503	Hobbs Crescent	150	2021	\$41,013
1022506	Hamey Close	150	2021	\$9,440
1022507	Hobbs Crescent	150	2021	\$150,381
1022515	Hobbs Crescent	150	2021	\$9,114
1022660	Park Beach Road	150	2021	\$78,804
1022729	Pacific Highway	450	1980	\$494,346
1022730	Pacific Highway	450	2001	\$36,130
1022914	Safety Beach Drive	150	2020	\$9,993
1022967	Victoria Street	150	2006	\$43,415
1023223	Lindsays Road	150	1996	\$3,190
1023306	Aviation Drive	150	2021	\$100,124
1023314	Aviation Drive	150	2021	\$9,921
1023315	Aviation Drive	150	2021	\$99,863
1023357	Pacific Highway	375	2021	\$85,920
1023365	Pacific Highway	375	2021	\$286,400
1023375	Pacific Highway	375	2021	\$45,824
1023378	Pacific Highway	375	2021	\$1,028,176
1023385	Pacific Street	200	2014	\$4,190
1023388	Solitary Islands Way	500	2022	\$563,389
1023392	Coachmans Close	150	2022	\$15,299
1023443	Sawtell Road	375	2021	\$7,647
1023444	Sawtell Road	250	2021	\$3,519
1023452	Dress Circle	100	2016	\$3,906
1024219	Bark Hut Road	375	2010	\$80,550
1024220	Palmer Road	225	2010	\$305
1024222	Bark Hut Road	225	2010	\$62,644
1024224	Coramba Road	600	1974	\$2,349
1024225	Coramba Road	300	1974	\$2,260
1024231	Mount Bishop Road	300	1978	\$15,113
1024232	Upper Orara Road	150	1992	\$391
1024235	Pacific Highway	375	2021	\$6,487
1024244	Nana Street	180	2022	\$212,643
1024247	Nana Street	180	2022	\$3,260
1024249	Nana Street	180	2022	\$327,155
1024250	Orara Way	180	2022	\$2,782

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1024252	Orara Way	180	2022	\$228,271
1024253	Orara Way	180	2022	\$3,210
1024255	Orara Way	180	2022	\$15,595
1024256	Orara Way	180	2022	\$3,352
1024258	Orara Way	180	2022	\$566,991
1024259	Orara Way	180	2022	\$8,095
1024261	Orara Way	180	2022	\$221,500
1024263	Orara Way	180	2022	\$579,351
1024264	Orara Way	180	2022	\$5,137
1024266	Orara Way	180	2022	\$69,269
1024276	Pacific Highway	300	2017	\$3,708
1024279	Pacific Highway	375	2017	\$22,139
1024280	Pacific Highway	375	2017	\$6,215
1024281	Pacific Highway	375	2017	\$6,272
1024282	Pacific Highway	250	2017	\$3,364
1024283	Pacific Highway	250	2017	\$3,364
1024284	Pacific Highway	250	2017	\$16,374
1024287	Pacific Highway	375	2017	\$6,014
1024295	Boronia Street	300	1976	\$706
1024303	Orara Way	180	2022	\$444
1024323	Pacific Highway	150	2010	\$618
1024402	Bakers Close	600	1996	\$6,848
1024405	William Sharp Drive	450	1996	\$8,314
1024530	William Sharp Drive	450	1996	\$6,572
1024570	Spagnollos Road	600	1989	\$695,683
1024579	William Sharp Drive	450	2022	\$11,846
1024584	William Sharp Drive	100	2022	\$977
1024585	William Sharp Drive	100	2022	\$977
1024586	William Sharp Drive	100	2022	\$977
1024587	William Sharp Drive	100	2022	\$977
1024588	William Sharp Drive	100	2022	\$977
1024589	William Sharp Drive	100	2022	\$977
1024590	William Sharp Drive	100	2022	\$977
1024603	William Sharp Drive	450	2022	\$16,069
1024604	William Sharp Drive	600	2022	\$43,527
1024605	William Sharp Drive	600	2022	\$5,488
1024606	William Sharp Drive	250	2022	\$2,070
1024607	William Sharp Drive	250	2022	\$3,540
1024627	Spagnollos Road	300	1997	\$3,531
1024628	Spagnollos Road	300	2022	\$40,359
1024629	Spagnollos Road	300	2022	\$127,763
1024630	Spagnollos Road	300	2022	\$12,559

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
1024631	Spagnolos Road	300	2022	\$60,792
1024632	Spagnolos Road	125	2022	\$3,646
1024774	James Small Drive	150	2016	\$1,628
1025033	Hulberts Road	150	2022	\$17,421
1025040	Hulberts Road	150	2022	\$10,104
1025099	Wallis Avenue	150	2022	\$99,375
1025107	Wallis Avenue	180	2022	\$67,166
1025109	Eighteenth Avenue	150	2022	\$22,687
1025118	Eighteenth Avenue	150	2022	\$48,421
1025164	First Avenue	150	2022	\$2,799
1025169	First Avenue	250	2022	\$60,134
1025170	First Avenue	250	2022	\$131,445
1025171	First Avenue	250	2022	\$55,890
1025172	First Avenue	250	2022	\$269,411
1025263	Flow Meter Pit		2022	\$30,820
1025267	Pacific Highway	450	1980	\$43,540
1025272	Macauleys Reservoir	300	2022	\$7,651
1025273	Macauleys Reservoir	375	2022	\$4,296
1025277	West Korora Road	500	2002	\$141,984
1025280	Flow Meter Pit		2022	\$30,820
1025281	Macauleys Reservoir	375	2022	\$7,876
1025315	Solitary Islands Way	225	1986	\$388,122
1025316	Solitary Islands Way	225	2023	\$21,755
1025317	Solitary Islands Way	280	2023	\$72,825
1025318	Solitary Islands Way	225	2023	\$12,737
1025332	Moonee Creek Drive	300	2022	\$98,444
1025335	Moonee Creek Drive	300	2022	\$50,658
1025336	Moonee Creek Drive	300	2022	\$57,414
1025339	Moonee Creek Drive	300	2022	\$176,503
1025343	Moonee Creek Drive	300	2022	\$237,542
1025348	Moonee Creek Drive	300	2022	\$73,869
1025353	Moonee Creek Drive	300	2022	\$12,005
1025357	Moonee Creek Drive	300	2022	\$3,425
1025359	Moonee Creek Drive	150	2022	\$1,920
1025361	Moonee Creek Drive	300	2022	\$11,923
1025367	Valve Pit		2022	\$16,962
new	Additional pipework Nana Glen Karangi WTP		2023	\$610,000
various	Karangi dam pump house		1974	\$350,000
various	Karangi dam		1974	\$24,000,000
various	Regional water supply		1920	\$611,424
various	Regional water supply		1920	\$1,314,016

CCH Water Supply DSP

Asset Number	Description	Diameter (mm)	Year constructed	Replacement cost
various	Regional water supply		1920	\$1,885,277
various	Regional water supply		1920	\$8,800,000
various	Regional water supply		2010	\$1,309,433
various	Regional water supply		2010	\$1,594,502
various	Regional water supply		2010	\$5,387,100
various	Regional water supply		2010	\$6,433,055
various	Regional water supply		2010	\$10,065,440
various	Regional water supply		2010	\$44,966,740
various	Regional water supply		2010	\$45,383,890
various	Regional water supply		2022	\$671,000
various	Roberts Hill reservoir		1995	\$5,674,000
various	Nana Glen reservoir		1996	\$549,000
various	Moonee reservoir		2012	\$3,566,000
various	Macauleys reservoir		2017	\$4,290,000
various	Karangi lime dosing plant		2008	\$1,267,680
various	Karangi WTP		2008	\$96,289,170

Table 9: Future capital works included in the capital charge (2023 \$'000)

Year/ project	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Regional water supply improvements</i>										
Weir Condition Investigation	40									
Tunnel 2 Pipeline lining	1,758	1,758	1,758							
Cross Over Valving and Scada Control	293	293	293							
Tunnel 1 Rehab	557	557	557							
Spillway damage Works	1,980									
Fish Ladder				2,200						
Spillway Slabs condition report	9									
Dam Fencing (Fire Damage)	264									
Purchase of Nymboida Weir	1,339									
<i>Development works</i>										
Bonville initial development package		12,848								
Roberts Hill improvement 2 - Jetty Foreshore Cross - connect		14								
Coffs Harbour Jetty Foreshore Precinct		5,542								
Moonee Beach East		1,648								
Moonee Beach West		1,963								
North Boambee Valley West		5,003								
North Coffs Developments		4,123								
Scarborough/Emerald/Bark Hut WSA reconfiguration		35								
Woolgoolga North-west		899								
Woolgoolga West		1,218								
<i>CCH scheduled works</i>										
Ocean Parade/Arthur Street		310								
Roseland Drive		422								
<i>Vulnerability works</i>										
RHBT inlet duplication/outlet valving		469								
Shepherds Lane/Rovere Drive	15									
Lyons Road connection		1,811								
Macauleys reservoir outlet duplication		2,535								
Macauleys film studio/hotel development		1,307								
Sapphire reservoir outlet duplication/cross connection		912								
Moonee West development duplication		2,404								
Emerald reservoir outlet duplication/cross connection		1,857								

Year/ project	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Emerald to Mullaway duplication		15,783								
Burleigh Crescent/Willis Road cross connection		139								
Corindi service duplication							11,002			
Arrawarra Beach Road connection							1,404			
<i>Water main renewals</i>										
Prioritised renewal program	3,213	2,149	2,774	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Total new assets and renewals	9,467	65,999	5,382	4,700	2,500	2,500	14,906	2,500	2,500	2,500

Works to improve levels of service (ILOS) are not included in the developer charge calculation.

Table 10: Capital charge calculation (2023 \$)

Capital charge: CHCC water supply			2023 \$'000	68%	3%	5%				
Year	Total ET	New ET	Capital Cost	Effective capital cost serving post 1996 ETs	PV Factor @3%	PV Factor @ 5%	PV pre 1996 assets @ 3%	PV post 1996 assets @ 5%	PV New ETs for pre 1996 assets (@3%)	PV New ETs for post 1996 assets (@5%)
1996	19,513	438	\$227,998	\$154,112	1.00	1.00	\$154,112		438	438
1997	19,947	434	\$6,039	\$4,082	0.97	0.95		\$3,888	421	413
1998	20,390	443	\$1,084	\$733	0.94	0.91		\$665	418	402
1999	20,826	436	\$996	\$673	0.92	0.86		\$582	399	377
2000	21,263	436	\$920	\$622	0.89	0.82		\$512	388	359
2001	21,699	436	\$2,392	\$1,617	0.86	0.78		\$1,267	376	342
2002	22,135	436	\$3,091	\$2,090	0.84	0.75		\$1,559	365	326
2003	22,571	436	\$920	\$622	0.81	0.71		\$442	355	310
2004	23,007	436	\$7,978	\$5,392	0.79	0.68		\$3,650	344	295
2005	23,444	436	\$1,305	\$882	0.77	0.64		\$569	334	281
2006	23,880	436	\$3,388	\$2,290	0.74	0.61		\$1,406	325	268
2007	24,316	436	\$7,702	\$5,206	0.72	0.58		\$3,044	315	255
2008	24,752	436	\$98,979	\$66,904	0.70	0.56		\$37,254	306	243
2009	25,189	436	\$4,982	\$3,367	0.68	0.53		\$1,786	297	231
2010	25,625	436	\$135,013	\$91,260	0.66	0.51		\$46,092	288	220
2011	26,061	436	\$530	\$358	0.64	0.48		\$172	280	210
2012	26,497	436	\$5,712	\$3,861	0.62	0.46		\$1,769	272	200
2013	26,933	436	\$938	\$634	0.61	0.44		\$277	264	190
2014	27,370	436	\$2,662	\$1,799	0.59	0.42		\$748	256	181
2015	27,806	436	\$1,671	\$1,130	0.57	0.40		\$447	249	173
2016	28,242	436	\$1,305	\$882	0.55	0.38		\$332	242	164
2017	28,678	436	\$10,948	\$7,400	0.54	0.36		\$2,656	234	157
2018	29,114	436	\$3,010	\$2,034	0.52	0.34		\$695	228	149
2019	29,551	436	\$1,954	\$1,321	0.51	0.33		\$430	221	142
2020	29,987	436	\$2,217	\$1,499	0.49	0.31		\$465	215	135
2021	30,423	436	\$2,074	\$1,402	0.48	0.30		\$414	208	129
2022	31,822	1399	\$5,438	\$3,676	0.46	0.28		\$1,034	648	393
2023	33,220	1399	\$38,150	\$25,787	0.45	0.27		\$6,907	630	375
2024	34,619	1399	\$9,467	\$6,399	0.44	0.26		\$1,632	611	357
2025	36,017	1399	\$65,999	\$44,611	0.42	0.24		\$10,838	593	340
2026	36,857	840	\$5,382	\$3,638	0.41	0.23		\$842	346	194
2027	37,697	840	\$4,700	\$3,177	0.40	0.22		\$700	336	185
2028	38,537	840	\$2,500	\$1,690	0.39	0.21		\$355	326	176
2029	39,377	840	\$2,500	\$1,690	0.38	0.20		\$338	317	168
2030	40,217	840	\$14,906	\$10,075	0.37	0.19		\$1,918	307	160
2031	41,021	804	\$2,500	\$1,690	0.36	0.18		\$306	286	146
2032	41,826	804	\$2,500	\$1,690	0.35	0.17		\$292	278	139
2033	42,630	804	\$2,500	\$1,690	0.33	0.16		\$278	269	132
2034	43,434	804		\$0	0.33	0.16		\$0	262	126
2035	44,239	804		\$0	0.32	0.15		\$0	254	120
2036	45,043	804		\$0	0.31	0.14		\$0	247	114
2037	45,847	804		\$0	0.30	0.14		\$0	239	109
2038	46,651	804		\$0	0.29	0.13		\$0	232	104
2039	47,456	804		\$0	0.28	0.12		\$0	226	99
2040	48,260	804		\$0	0.27	0.12		\$0	219	94
2041	49,064	804		\$0	0.26	0.11		\$0	213	90
2042	49,869	804		\$0	0.26	0.11		\$0	206	85
2043	50,673	804		\$0	0.25	0.10		\$0	200	81
2044	51,477	804		\$0	0.24	0.10		\$0	195	77
2045	52,282	804		\$0	0.23	0.09		\$0	189	74
2046	53,086	804		\$0	0.23	0.09		\$0	183	70
2047	53,890	804		\$0	0.22	0.08		\$0	178	67
2048	54,694	804		\$0	0.22	0.08		\$0	173	64
2049	55,499	804		\$0	0.21	0.08		\$0	168	61
2050	56,303	804		\$0	0.20	0.07		\$0	163	58
2051	57,144	841		\$0	0.20	0.07		\$0	165	57
2052	57,997	853		\$0	0.19	0.07		\$0	163	56
2053	58,863	866		\$0	0.19	0.06		\$0	161	54
Totals		39787	\$692,352	\$467,984			\$154,112	\$136,559	17,022	11,012
				pre-1996			\$9,054 per ET			
				post-1996			\$12,401 per ET			
				Capital charge: CHCC water supply			\$21,454 per ET		2023\$	

Table 11: Reduction amount calculation (2023 \$)

Reduction Amount	2021/22 Performance Indicator data			
Year	2021-22			
Annual bills	\$617	\$ per property - Usage - WS		
OMA cost	\$310	total OMA cost - Water supply incl water purchase		
Net income p.a. per ET	\$308	2022\$		
Net income p.a. per ET	\$330	2023\$	7.3%	cpi
Year	Total ET	New ET p.a.	Cumulative new ET p.a.	Net Income from new ETs (2022\$)
2023	33,220			
2024	34,619	1,399	1,399	461,642
2025	36,017	1,399	2,797	923,283
2026	36,857	840	3,637	1,200,565
2027	37,697	840	4,477	1,477,847
2028	38,537	840	5,317	1,755,130
2029	39,377	840	6,157	2,032,412
2030	40,217	840	6,997	2,309,694
2031	41,021	804	7,801	2,575,191
2032	41,826	804	8,606	2,840,689
2033	42,630	804	9,410	3,106,187
2034	43,434	804	10,214	3,371,684
2035	44,239	804	11,019	3,637,182
2036	45,043	804	11,823	3,902,679
2037	45,847	804	12,627	4,168,177
2038	46,651	804	13,431	4,433,675
2039	47,456	804	14,236	4,699,172
2040	48,260	804	15,040	4,964,670
2041	49,064	804	15,844	5,230,167
2042	49,869	804	16,649	5,495,665
2043	50,673	804	17,453	5,761,162
2044	51,477	804	18,257	6,026,660
2045	52,282	804	19,062	6,292,158
2046	53,086	804	19,866	6,557,655
2047	53,890	804	20,670	6,823,153
2048	54,694	804	21,474	7,088,650
2049	55,499	804	22,279	7,354,148
2050	56,303	804	23,083	7,619,646
2051	57,144	841	23,924	7,897,154
2052	57,997	853	24,777	8,178,807
2053	58,863	866	25,643	8,464,665
PV New ET @ 5%		14,327		
PV Net Income		\$58,184,855		
Reduction Amount		\$4,061	per ET	2023\$