

Central Coast Council Southern Region Water Supply and Sewerage Development Servicing Plan 2024

Version 1.0 Water Assets & Planning May 2024

Central Coast Council P: 02 4306 7900 W: centralcoast.nsw.gov.au Wyong Administration Building: 2 Hely St / PO Box 20, Wyong NSW 2259 © Central Coast Council



Southern Region Water Supply and Sewerage Development Servicing Plan 2024 Author: Luke Drury Date: May 2024 Version 1.0 Approved by: Director Water and Sewer Date of Approval: May 2024 Assigned review period: 5 years © Central Coast Council Wyong Administration Building 2 Hely St / PO Box 20 Wyong NSW 2259 P: 02 4306 7900 E: ask@centralcoast.nsw.gov.au W: centralcoast.nsw.gov.au

1.0 Introduction

The purpose of this Development Servicing Plan (DSP) is to determine the Developer Charges applicable for water supply and sewerage infrastructure servicing proposed development within the southern region of the Central Coast. Developer Charges and the requirement to carry out works will be implemented as part of relevant development in accordance with the Water Management Act 2000 and the Independent Pricing and Regulatory Tribunal's (IPART) Determination on Maximum prices for connecting, or upgrading a connection, to a water supply, sewerage, or drainage system (October 2018).

Developer Charges relate to the provision of those water and sewerage assets identified in this Plan. Typically these assets service a number of developments within this Plan which provides the basis for sharing of asset costs. All other water and sewerage infrastructure required to service the local development area shall be provided at full cost to the Developer.

For Water Developer Charges, Council continues to operate two regional based charges (Northern and Southern Regions) with a common Headworks DSP in consideration of shared bulk water assets including dams, weirs and treatment plants.

For the purpose of calculating Sewerage Developer Charges, the Southern Region has been developed by utilising the only ocean fall at Winnie Bay. This reflects the ocean outfall Council is currently operating and Environmental Protection Licence. This has been undertaken to reflect the amounts of existing infrastructures in the area. This approach also considers differing future predicted development patterns and associated new infrastructure requirements across the southern region.

This Plan has been prepared in accordance with the requirements of the Water Management Act 2000 using the methodology contained within IPART's 2018 Determination. All calculations have been carried out in the template provided by IPART.

The new Developer Charges, as detailed below, will be applicable for the period 1 December 2024 to 30 June 2025, after which they will be adjusted in accordance with the provisions detailed in Section 13.

2.0 Summary of Developer Charges

Following the adoption of this DSP the combined water and sewerage contribution for all development within the Southern Region will be \$8,143.36 per Equivalent Tenement (ET). For the purpose of determining Developer Charges payable, all development is assessed on an 'Equivalent Tenement' basis. This is described further in Section 8.2.

A comparison of the existing and proposed charges for both water supply and sewerage are provided below in Table 1.

Table 1 Developer Charges Summary

Developer Charge	Previous Charge 2014 DSP (\$2023/24)	New Charge (\$2023-24/ET)
Southern Region Water Supply	\$3,003.65	\$2,008.06
Southern Region Sewerage	\$2,110.11	\$6,135.30
Combined Water & Sewerage	\$5,113.76	\$8,143.36

A summary of Water and Sewerage Developer Charges calculation across New South Wales is provided below in Chart 1. Note that the NSW Government is in the process of reversing the 'zero charge' that has previously applied to Sydney Water and Hunter Water's area of operations.



Chart 1 Differing methodologies for funding water and sewerage infrastructure for new development across NSW (supplied by IPART)

3.0 Applicability of the Plan

This DSP describes the requirements applicable to the assessment of Water Supply and Sewerage Developer Charges for any Development assessed under the Water Management Act from 1 December 2024 (subject to registration of the DSP by IPART). Developer Charges payable and any credits for works undertaken in accordance with the plan (in lieu of developer charges), for Development assessed under the Water Management Act within a previous Gosford City Council or Wyong Shire Council Development Servicing Plan will be assessed under the provisions contained within that DSP.

This DSP takes precedence over any of Council's Codes and Policies should there be any inconsistencies in relation to Water Supply and Sewerage Developer Charges.

4.0 Area of the Plan

This DSP covers all lands contained within the former Gosford Council Local Government Area (LGA) as shown in Figure 1.

It is noted that an additional charge applies to land within the Somersby Industrial Estate, with the site being the subject of a separate Deed of Agreement which included charges applicable on a per Hectare basis. Any additional charges applicable within the area defined by the Deed will be determined in accordance with the Deed.

Mooney Mooney and Cheero Point areas are serviced via backlog sewerage schemes and will not be included as part this DSP. The servicing plan for these areas remains unchanged as per IPART Determination 2018 and potential customers should contact Council's Water Assessment Team for further information.

4.1 Basis of determining service areas

The basis for determining the service areas applicable to this plan is outlined in the following sections.

Water Supply Headworks

Central Coast Council owns and manages a single water supply headworks scheme. These headworks provide bulk treated water to the entire Central Coast Water Supply Network via two separate Water Treatment Plant located at Mardi and Somersby. As a result, a common Headworks Developer Charge is applicable to both Water Supply DSPs and is incorporated into the calculation of the Water Supply Developer Charge for both DSPs. This charge is detailed in Appendix A.

Water Distribution

The water supply distribution system takes potable water supplied from headworks assets and delivers this to customers across the Southern Supply Zone. Any site supplied potable water within the former Gosford City Council LGA is part of this area.

Sewerage

Sewage collected from connected properties within the Kincumber Sewerage Scheme is conveyed to either the Kincumber or Woy Woy Sewage Treatment Plants for treatment prior to disposal at the Winnie Bay licenced outfall location. Any site provided with reticulated sewerage within the former Gosford City Council LGA is part of this area.

5.0 **Population Predictions and Dwelling Unit Estimates**

Council engaged consultants Informed Decisions (.id) to prepare Economic and Demographic profiles for the Central Coast, as well as population forecasts. The information is derived from the Australian Bureau of Statistics Census of Population and Housing and the National Institute of Economic and Industry Research.

In preparing the 2024 Water Supply and Sewerage DSPs, Council has assessed the current number of connected Equivalent Tenements (ETs) in accordance with IPART's 2022 Pricing Determination for the Central Coast, being 150kL annual potable water demand per Equivalent Tenement. This is based on the current system annual demand (corrected for climate factors) apportioned to the Northern and Southern Regions based on demand distribution. The projected number of ETs was then projected forwards in accordance with region based population forecasts provided by .id, allowing for forecast differences in dwelling densities across the two regions. This is outlined below in Table 2 and described further in Appendix A.

Year	Residential	Population	population
	Population (.id)*	Water Supply**	Sewerage***
2023	176,758	99,141	96,284
2026	180,267	101,109	101,640
2031	184,544	103,508	111,299
2036	188,854	105,925	120,552
2041	192,662	108,061	129,166
2046	196,546	110,239	138,395
2051	200,509	112,462	148,285
2055	203,736	114,272	156,704

 Table 2 Population LGA with proposed populations for water supply and sewer services

* Population forecast by forecast.id consulting limited to 2036.

** Population water supply was extracted from Mater Plan study 2012 undertaken by GHD, based on forecast.id and extrapolated up to 2051. This included serviced and un-serviced properties (proposed to be serviced) *** Population sewerage was extracted from Mater Plan study 2012 undertaken by GHD, based on forecast.id and extrapolated up to 2051. This included serviced and un-serviced properties (proposed to be serviced)

Full details relating to the forecast tools are available via Council's website: <u>https://www.centralcoast.nsw.gov.au/business/opportunities-and-investment/profile-central-coast</u>.

6.0 Reference to Other Development Servicing Plans

The Water Supply Headworks capital components are detailed in Appendix A of this DSP (Central Coast Water Supply Headworks Development Servicing Plan 2024). The cost of these components is included in the calculations for determining water supply developer charges payable under this Plan.

7.0 Future Asset Profile

Greenfield infrastructure is typically designed and constructed by the lead developer under a Works in Kind Agreement (discussed later) with Council.

Council's capital works program is focused on the delivery of brownfield upgrades or major regional infrastructure projects including:

- Treatment plant augmentations
- Upgrades to existing pumping stations and associated pressure pipelines

7.1 Water Supply

Water supply works relevant to this plan are shown in Figure 2 and associated costs and timing are outlined further in Appendix B.

Council has reviewed the known and approved Water and Sewer Servicing strategies prepared by developers and assessed the proposed assets which could qualify for credits under the Development Servicing Plan 2024 (see discussion on Works in Kind).

The Central Coast Council Water and Sewer Department reserves the right to alter the scope and timing of the proposed future assets as these are subject to ongoing review. Any changes to growth patterns, development profiles, land use zoning or any other conditions influence the required location, scale and timing of additional infrastructure. All potential land developers are advised to contact Council's Water Assessment Team for further advice.

7.2 Sewerage

Sewerage works relevant to this plan are shown in Figure 3. The associated costs, timing and methodology used in the sizing of proposed sewerage works is described in Appendix C. Council has reviewed the known and approved Water and Sewer Servicing strategies prepared by developers and assessed the proposed assets which could qualify for credits under the Development Servicing Plan 2024 (see discussion on Works in Kind).

The Central Coast Council Water and Sewer Department reserves the right to alter the scope and timing of the proposed future assets as these are subject to ongoing review. Any changes to growth patterns, development profiles, land use zoning or any other conditions influence the required location, scale and timing of additional infrastructure. All potential land developers are advised to contact Council's Water Assessment Team for further advice.

8.0 STANDARDS OF SERVICE AND DESIGN PARAMETERS

8.1 Water Supply

Design parameters relating to water supply headworks are detailed in Appendix A.

For the purposes of assessing additional loads on the water supply system, from a Developer Charges Perspective, 1 Equivalent Tenement (ET) is defined as the following:

- 150 kL/year annual demand (IPART Determination) or
- 0.92 kL/day peak day demand (whichever is greater)

8.2 Sewerage

IPART's 2022 Pricing Determination defines a 'deemed sewage discharge' per single residential properties of 125 kL/annum. This figure is adopted for the purpose of determining sewerage developer charges payable for a new development (1ET = 125kL sewage discharge per annum).

8.3 Calculation of Equivalent Tenements for Specific Development Types

The conversion of a proposed development into Equivalent Tenements (ET) for the purpose of levying water and sewer developer charges is completed as outlined below:

- 1 Reference to Central Coast Council's Equivalent Tenement Calculation Matrix (see Appendix D)
- 2 For wet industry calculate based on annual and daily water and sewage demand/generation rates and compare to the allowances described above.
- 3 For non-standard development, the number and type of fixtures is used with calculation based parameters contained within AS3500.
- 4 Where the above are not relevant then alternate industry specific documents including Public Works, NSW Water Directorate documentation and investigation of similar developments within other NSW Local Government Areas may be used.

Credits for existing development will be provided based on an approved existing/previous use of the site, for which developer charges have been previously paid. ETs which have been calculated and levied on a parcel of land are not transferrable to another parcel of land.

A minimum threshold of 0.25ET is applicable for triggering the payment of developer charges for new development. However, this does not allow the staging of development in increments less than 0.25ET for the purposes of avoiding the payment of developer charges.

All developer charges calculations will be rounded to two decimal places when assessing ET payable and credits applicable.

9.0 Works In Kind and Temporary Works

Developers may apply to provide water and sewer works in kind, in lieu of making monetary contributions (contributed assets) in line with Council's Policy on Works in Kind Agreements.

The above Policy and associated Guideline outline the approach for determining the value assigned to any works in kind. The typical approaches for common asset types is outlined below:

- For liner asset (pipe diameter less than 300mm), the rates paid for works in kind will be the rates used in the calculation of future asset costs for this DSP (summarised in Appendix E). Any additional costs or savings relating to particular site constraints encountered as part of the design and/or construction phases will be borne by the Developer.
- For facility assets (e.g. sewer pumping station or automated network control valves), pressure pipelines, water pumping stations and trenchless construction (due to environmental or infrastructure constraints) methods (for pipe diameter greater than or equal to 300mm), developer is eligible for costs to be based on an independent Quantity Surveyor assessment. Any additional costs or savings relating to particular site constraints encountered following determination of the works in kind value will be borne by the Developer.
- Credits will only be payable upon the acceptance of an asset by Council (no staged payment for investigation and design). for more detail, please refer to Council <u>Works</u> in Kind Policy Works Under the Water Management Act 2000.

Prior to commencing the design of any contributed assets, the Developer shall contact Council and provide a 'Letter of Intent' (template available) which identifies the subject DSP assets that are intended to be constructed and seeks confirmation what credits may be available for the construction of those assets.

It may be feasible to provide temporary measures to service initial stages of a development in lieu of constructing major works up front. Such proposals will need to be assessed at the time of application. In these cases, the applicant is responsible to fully fund the design and construction of the assets and donate them to Council with a payment of expected operational costs and a further payment towards the future decommissioning of the temporary works. These costs are additional to any costs identified in this Plan. The merits of any proposals for temporary assets will need to consider alignment with the long term servicing strategy, impacts to operation and maintenance and overall risk exposure to Council.

This DSP does not include the provision of reticulation assets which are required to be donated to council by the developer. For the purpose of this DSP, reticulation assets are defined as water mains with a nominal diameter less than 200mm and gravity sewer mains with a nominal diameter less than 225mm.

10.0 Timing and Method of Payment

Unless other arrangements have been approved by Council, the payments for Development Contributions are as follows:

- Involving subdivision and/or building work, payment is required prior to the release of the Section 307 Compliance Certificate under Water Management Act
- Where no Construction Certificate, Subdivision Certificate or Occupation Certificate is required, payment is required prior to commencement of work on site.

11.0 Developer Charge Calculation

11.1 Calculation Formula

This Development Servicing Plan contains a net present value (NPV) calculation of the cost of total service capacity in the area less the expected net operating surplus (or losses) from providing services in the area. The resultant net cost is then expressed per Equivalent Tenement (ET). A development is charged a multiple of this per ET charge according to the number of ET applicable to that development calculated in accordance with section 8, minus any existing credits applicable to the site.

The developer charge (DC) is calculated in accordance with IPART's 2018 Determination as follows:

$$MP_{Sch1} = \frac{K_1}{L_1} + \frac{K_2}{L_2} - \frac{NPV(R_i - C_i)}{L_3} for \ i = financial \ years \ 1, \dots, n$$

Where:

- MPSch1 means the maximum price per Equivalent Tenement to be serviced by the connection;
- K1 means the Capital Charge for the Pre-1996 Assets that will serve the relevant DSP Area, calculated in accordance with clause 2.3(a) of Schedule 5 and set out in the relevant DSP;
- K2 means the Capital Charge for the Post-1996 Assets that will serve the relevant DSP Area, calculated in accordance with clause 2.3(b) and 2.3(c) of Schedule 5 and set out in the relevant DSP;
- L1 means the Agency's estimate of the number of Equivalent Tenements for Pre- 1996 Assets, calculated in accordance with clause 3.2(a) of Schedule 5 and set out in the relevant DSP;
- L2 means the Agency's estimate of the number of Equivalent Tenements for Post-1996 Assets, calculated in accordance with clause 3.2(b) of Schedule 5 and set out in the relevant DSP;
- L3 means the Agency's estimate of the number of Equivalent Tenements for the Reduction Amount, calculated in accordance with clause 3.2(c) of Schedule 5 and set out in the relevant DSP;

- Ri means the Agency's estimate of the future periodic revenues to be received from new customers in the DSP Area in each financial year i, estimated in accordance with clause 4 of Schedule 5 and set out in the relevant DSP;
- Ci means the Agency's estimate of the future operating, maintenance and administration costs of servicing all new customers in the DSP Area in each financial year i (excluding, for the avoidance of doubt, any Capital Costs), estimated in accordance with clause 5 of Schedule 5 and set out in the relevant DSP; and
- n is the financial year which is 30 years from the financial year in which the relevant DSP was registered with IPART.

11.2 Net Present Value Model Parameters

Council has used the following parameters as required in calculating the developer charge:

- A 0% real discount rate for Pre 1996 assets.
- A real discount rate for post 1996 assets of 4.9% which is equal to Wyong Shire Council's Pre-tax Weighted Average Cost of Capital (WACC)
- A real discount rate of 4.9% for the expected net revenues and costs equal to Wyong Shire Council's Pre-tax WACC
- Consumption per annum for an average residential customer of 150kL/year;
- A forecast horizon for expected net revenues and costs of 30 years; and
- Any assets constructed prior to 1970 are excluded from the calculation.

11.3 Asset Description

Details relating to the size, length and date of commissioning of existing assets were taken from Council's financial asset register which was used to complete a recent revaluation of Council's Water and Sewerage Assets in 2022.

The value of existing assets was determined using a Modern Engineering Equivalent Replacement Asset (MEERA) approach as required by IPART. This same approach was required for the 2022 Water and Sewerage Asset revaluation which has satisfied Audit Office of NSW requirements.

11.4 Developer Charges

A summary of the developer charges is provided below in Table 3, with the full calculation available in Appendix F.

It is noted that GST is not payable on Water and Sewerage Developer Charges amounts, nor is it payable for credits on works undertaken in lieu of Developer Charges payable.

Table 3 Summary of Developer Charges Calculations

	Headworks Capital Charge (\$/ET)	Distribution Capital Charge (\$/ET)	Operating Surplus (\$/ET)	Total Charge (\$/ET)
Scheme	(a)	(b)	(c)	(d)=(a)+(b) -(c)
Southern Region Water Supply	\$5,630	\$1,691	\$5,313	\$2,008
Southern Region Sewerage	N/A	\$9,374	\$3,238	\$6,135

12.0 Method of Updating Developer Charges Payable Under This Plan

The Development Servicing Plan will be reviewed:

- Once, and no more than once, in each five year period, with the first five year period starting on 1 November 2024: and
- When and to the extent required by a determination of the Independent Pricing and Regulatory Tribunal.

12.1 CPI Adjustment

If there is no review of Developer Charges in any given year (Year n), the Developer Charges then prevailing must be multiplied to take effect from 1 July in each such year by the number derived from the application of the following formula:



Where:

CPI = the consumer price index, All Groups index number for the weighted average of eight capital cities as published by the Australian Bureau of Statistics, or if the Australian Bureau of Statistics does not or ceases to publish the index, then CPI will mean an index determined by IPART;

 $March_{year n}$ = the March quarter for Year n; and $March_{year n-1}$ = the March quarter for the year before Year n.

12.2 Dispute Resolution

A developer who is dissatisfied with how Council has calculated a developer charge has a right to have the dispute arbitrated under the Independent Pricing & Regulatory Tribunal Act.

The first step of this arbitration process is to contact Central Coast Council.

If the complaint has been reviewed by Council and the customer is still dissatisfied, the customer may request to have the dispute arbitrated under Section 31 of the IPART Act.

Figure 1
Development Servicing Plan Area



Figure 2 Southern Water Supply Works Plan - 2024





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	88 (ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Environ Conservation
	250mm		Environ Management
	300mm		General Residential
	375mm		Infrastructure
	450mm		Local Centre
	600mm		Low Density Residential
	New Reservoirs		National Parks & Reserves
Existing	Water Mains		Natural Waterways
	Reticulation Main		Public Recreation
	Distribution Main		Recreational Waterways
_	Transfer Main		Tourist
	Transport - Roads		Transition
	Suburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 1 of 68

Map 1 of 68



Central Coast Council

Legend

Propose	d Water Mains		ForecastID_Centres
	100mm	Local E	Environmental Plan 2022
	150mm		Environ Conservation
	200mm		Environ Living
	250mm		Environ Management
	300mm		General Industrial
	375mm		General Residential
	450mm		Infrastructure
	600mm		Large Lot Residential
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		National Parks & Reserves
	Distribution Main		Natural Waterways
	Transfer Main	()	Private Recreation
	Transport - Roads		Public Recreation
	Suburb Boundary		Recreational Waterwavs
111	Proposed_Developments		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 2 of 68





Legend

Propose	d Water Mains		Transport - Roads
	100mm		Suburb Boundary
	150mm	111.	Proposed_Developments
	200mm	\otimes	ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		Infrastructure
	600mm		Low Density Residential
	New Reservoirs		National Parks & Reserves
Existing	Water Mains		Natural Waterways
	Reticulation Main		Private Recreation
	Distribution Main		Public Recreation
_	Transfer Main		Recreational Waterways



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 3 of 68

Map 3 of 68





Legend

Proposed Water Mains	C M1 Motorway
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Environ Conservation
300mm	Environ Living
375mm	Environ Management
450mm	General Industrial
600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	Med Density Residential
—— Distribution Main	Public Recreation
Transfer Main	Rural Landscape
Transport - Roads	Transition
Suburb Boundary	



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 4 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend

Proposed water mains	Railway
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
===== 200mm	Local Environmental Plan 2022
250mm	Environ Conservation
300mm	Environ Living
375mm	Environ Management
450mm	General Industrial
600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	Med Density Residential
— Distribution Main	Natural Waterways
Transfer Main	Public Recreation
Transport - Roads	Rural Landscape
Suburb Boundary	Transition



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 5 of 68





Legend

Propose	ed Water Mains		Suburb Boundary
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Environ Conservation
	300mm		Environ Management
	375mm		General Industrial
	450mm		Infrastructure
	600mm		Low Density Residential
	New Reservoirs		Natural Waterways
Existing	Water Mains		Private Recreation
	Reticulation Main		Public Recreation
	Distribution Main		Recreational Waterways
	Transfer Main		Rural Landscape
	Transport - Roads		Transition



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 6 of 68

Map 6 of 68



Central Coast Council

Legend

Propose	ed Water Mains		ForecastID_Centres
	100mm	Local E	Environmental Plan 2022
	150mm		Environ Conservation
	200mm		Environ Living
	250mm		Environ Management
	300mm		General Residential
	375mm		Infrastructure
	450mm		Local Centre
	600mm		Low Density Residential
	New Reservoirs		Med Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Natural Waterways
	Distribution Main		Private Recreation
	Transfer Main		Public Recreation
5 <u>-</u> 8	Transport - Roads		Recreational Waterways
	Suburb Boundary		Transition
111	Proposed_Developments		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 7 of 68

Map 7 of 68





Legend

Propose	d Water Mains	_	Transfer Main
	100mm	· · · · · · · · · · · · · · · · · · ·	Transport - Roads
	150mm		Suburb Boundary
	200mm	111	Proposed_Developments
	250mm	88	ForecastID_Centres
	300mm	Local E	nvironmental Plan 2022
	375mm		Deferred Matter
	450mm		Environ Conservation
	600mm		Environ Management
	New Reservoirs		Infrastructure
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Public Recreation
	Distribution Main		Special Activities



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 8 of 68





	L	egen	d
Propose	d Water Mains		Suburb Boundary
	100mm		M1 Motorway
	150mm	111,	Proposed_Developments
	200mm		ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Environ Conservation
	375mm		Environ Management
	450mm		General Industrial
	600mm		Infrastructure
	New Reservoirs		Large Lot Residential
Existing	Water Mains		Primary Production
	Reticulation Main		Public Recreation
	Distribution Main		Rural Landscape
—	Transfer Main		Transition
	Transport - Roads		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 9 of 68

Map 9 of 68





Legend			
Propose	d Water Mains		Suburb Boundary
	100mm		M1 Motorway
	150mm		Railway
	200mm	////	Proposed_Developments
	250mm		ForecastID_Centres
	300mm	Local E	nvironmental Plan 2022
	375mm		Environ Conservation
	450mm		General Industrial
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Natural Waterways
	Reticulation Main		Public Recreation
	Distribution Main		Rural Landscape
	Transfer Main		Transition
	Transport - Roads		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 10 of 68

Map 10 of 68





Legend

Propose	ed Water Mains		Railway
	100mm	111	Proposed_Developments
	150mm	200	ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Environ Conservation
	300mm		Environ Management
	375mm		General Industrial
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		Natural Waterways
	Distribution Main		Public Recreation
	Transfer Main		Recreational Waterways
	Transport - Roads		Transition
	Suburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 11 of 68

Map 11 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Central Coast Council

Legend

Proposed Water Mains	//// Proposed_Developments
= 100mm	ForecastID_Centres
150mm	Local Environmental Plan 2022
===== 200mm	Environ Conservation
250mm	Environ Management
300mm	General Industrial
375mm	General Residential
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Private Recreation
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	Transition
Suburb Boundary	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 12 of 68





Legend

Proposed Water Mains	Suburb Boundary
= 100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Environ Conservation
300mm	Environ Management
375mm	General Residential
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Private Recreation
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 13 of 68

Map 13 of 68





Legend





Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 14 of 68

Map 14 of 68











Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation © 2018 Central Coast Council, All Rights Reserved.





Legend

Proposed Water Mains	Transport - Roads
100mm	Suburb Boundary
150mm	- M1 Motorway
200mm	//// Proposed_Developments
250mm	ForecastID_Centres
300mm	Local Environmental Plan 2022
375mm	Environ Conservation
450mm	Environ Living
===== 600mm	Environ Management
New Reservoirs	Forestry
Existing Water Mains	Infrastructure
Reticulation Main	Large Lot Residential
Distribution Main	Primary Production
Transfer Main	Public Recreation



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 16 of 68

Map 16 of 68





Legend

Propose	d Water Mains		Railway
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Environ Conservation
	300mm		Environ Management
	375mm		General Industrial
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		Private Recreation
	Distribution Main		Productivity Support
	Transfer Main		Public Recreation
87 88	Transport - Roads		Special Activities
	Suburb Boundary		Transition
	M1 Motorway		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 17 of 68

Map 17 of 68





Legend

Propose	d Water Mains		Railway
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Environ Conservation
	300mm		Environ Management
	375mm		General Industrial
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		Mixed Use
	Distribution Main		Private Recreation
	Transfer Main		Productivity Support
	Transport - Roads		Public Recreation
	Suburb Boundary		Transition



Siva Balasubramanian

Date: 14/06/2024

Source: Central Coast Council

Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved.

Map 18 of 68



Central Coast Council

Legend

Proposed Water Mains	ForecastID_Centres
= 100mm	Local Environmental Plan 2022
150mm	Environ Conservation
200mm	Environ Management
250mm	General Industrial
300mm	General Residential
375mm	Infrastructure
450mm	Local Centre
600mm	Low Density Residential
New Reservoirs	Mixed Use
Existing Water Mains	Natural Waterways
Reticulation Main	Private Recreation
Distribution Main	Productivity Support
Transfer Main	Public Recreation
Transport - Roads	Recreational Waterways
Suburb Boundary	Transition
//// Proposed_Developments	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 19 of 68





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	<u> </u>	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Environ Conservation
	250mm		Environ Management
	300mm		General Residential
	375mm		Infrastructure
	450mm		Local Centre
	600mm		Low Density Residential
	New Reservoirs		Med Density Residential
Existing	Water Mains		Mixed Use
	Reticulation Main		Private Recreation
	Distribution Main		Public Recreation
	Transfer Main		Recreational Waterways
	Transport - Roads		Tourist
	Suburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 20 of 68

Map 20 of 68




Legend

Proposed Water Mains	Transport - Roads
100mm	Suburb Boundary
150mm	//// Proposed_Developments
200mm	ForecastID_Centres
250mm	Local Environmental Plan 2022
300mm	Environ Conservation
375mm	Environ Management
450mm	General Residential
===== 600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	Public Recreation
Distribution Main	Recreational Waterways
Transfer Main	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 21 of 68

Map 21 of 68

OURIMBAH

WYONG CREEK

0	0.1	0.3	0.5	0.8	1 Kms

KANGY ANGY



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP







Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 22 of 68







Legend

Proposed Water Mains	Local Environmental Plan 2022
100mm	Commercial Centre
150mm	Environ Conservation
200mm	Environ Living
250mm	Environ Management
300mm	Forestry
375mm	General Residential
450mm	Infrastructure
600mm	Large Lot Residential
New Reservoirs	Low Density Residential
Existing Water Mains	Med Density Residential
Reticulation Main	Mixed Use
—— Distribution Main	Natural Waterways
Transfer Main	Primary Production
Transport - Roads	Private Recreation
Suburb Boundary	Public Recreation
M1 Motorway	Rural Landscape
//// Proposed_Developments	Transition
States Francisco Contras	0 - 2010 - 100 - 2010 -

ForecastID_Centres



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 23 of 68







Legend

Proposed Water Mains	Local Environmental Plan 2022
100mm	Commercial Centre
150mm	Environ Conservation
200mm	Environ Management
250mm	General Industrial
300mm	General Residential
375mm	Infrastructure
450mm	Local Centre
600mm	Low Density Residential
New Reservoirs	Med Density Residential
Existing Water Mains	Mixed Use
Reticulation Main	National Parks & Reserves
——— Distribution Main	Natural Waterways
Transfer Main	Private Recreation
Transport - Roads	Productivity Support
Suburb Boundary	Public Recreation
Railway	Recreational Waterways
////, Proposed_Developments	5 Tourist
NAME - INC. O. I.	

ForecastID_Centres



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 24 of 68

Map 24 of 68



Central Coast Council

Legend

Propose	ed Water Mains		ForecastID_Centres
	100mm	Local E	Environmental Plan 2022
	150mm		Environ Conservation
	200mm		Environ Management
	250mm		General Residential
	300mm		Infrastructure
	375mm		Local Centre
	450mm		Low Density Residential
	600mm		National Parks & Reserves
	New Reservoirs		Natural Waterways
Existing	Water Mains		Private Recreation
	Reticulation Main		Productivity Support
	Distribution Main		Public Recreation
	Transfer Main		Recreational Waterways
	Transport - Roads		Tourist
	Suburb Boundary		Transition
111	Proposed_Developments		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 25 of 68

Map 25 of 68



MAGENTA

			1		
0	0.1	0.3	0.5	0.8	1 Kms



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend

Proposed Water Mains	Transport - Roads
100mm	Suburb Boundary
150mm	//// Proposed_Developments
200mm	ForecastID_Centres
===== 250mm	Local Environmental Plan 2022
300mm	Environ Conservation
375mm	Infrastructure
450mm	Local Centre
===== 600mm	Low Density Residential
New Reservoirs	National Parks & Reserves
Existing Water Mains	Public Recreation
Reticulation Main	Recreational Waterways
—— Distribution Main	Transition
Transfer Main	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 26 of 68

Map 26 of 68





Central Coast Council

Legend

//// Proposed_Developments
ForecastID_Centres
Local Environmental Plan 2022
Environ Conservation
Environ Management
General Residential
Infrastructure
Low Density Residential
Med Density Residential
National Parks & Reserves
Private Recreation
Public Recreation
Recreational Waterways
Tourist



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map 27 of 68

Map 27 of 68



Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend

Proposed Water Mains	Suburb Boundary
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
===== 200mm	Local Environmental Plan 2022
===== 250mm	Environ Conservation
300mm	Environ Management
375mm	General Residential
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	Mixed Use
Reticulation Main	National Parks & Reserves
—— Distribution Main	Private Recreation
Transfer Main	Public Recreation
Transport - Roads	



Siva Balasubramanian

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 28 of 68

Map 28 of 68





Legend

Propose	d Water Mains		Transfer Main
	100mm		Transport - Roads
	150mm		Suburb Boundary
	200mm		M1 Motorway
	250mm	////	Proposed_Developments
	300mm	250	ForecastID_Centres
	375mm	Local E	nvironmental Plan 2022
	450mm		Environ Conservation
	600mm		Environ Management
	New Reservoirs		Forestry
Existing	Water Mains		Infrastructure
	Reticulation Main		National Parks & Reserves
	Distribution Main		Rural Landscape



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map 29 of 68





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	889 888	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Commercial Centre
	250mm		Environ Conservation
	300mm		Environ Living
	375mm		Environ Management
	450mm		Forestry
	600mm		General Industrial
	New Reservoirs		General Residential
Existing	Water Mains		Infrastructure
	Reticulation Main		Large Lot Residential
	Distribution Main		Mixed Use
—	Transfer Main		Private Recreation
	Transport - Roads		Public Recreation
	Suburb Boundary		Rural Landscape
	M1 Motorway		Transition
	Railway		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 30 of 68



DISCLAIMER

CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Central Coast Council

Legend

Proposed Water Mains	ForecastID_Centres
100mm	Local Environmental Plan 2022
150mm	Commercial Centre
200mm	Environ Conservation
== 250mm	Environ Living
300mm	Environ Management
375mm	General Industrial
450mm	General Residential
600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	National Parks & Reserves
Distribution Main	Natural Waterways
Transfer Main	Productivity Support
Transport - Roads	Public Recreation
Suburb Boundary	Recreational Waterways
Railway	Special Activities
////, Proposed_Developments	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 31 of 68

Map 31 of 68

CHITTAWAY POINT CHITTAWAY BAY	Geoffrey Road Subdivision	
0 0.1 0.3 0.5 0.8] 1 Kms	



Legend

Proposed Water Mai	ns	Transport - Roads
= 100mm		Suburb Boundary
150mm	111.	Proposed_Developments
200mm		ForecastID_Centres
250mm	Local E	Environmental Plan 2022
300mm		Environ Conservation
375mm		Environ Management
450mm		Low Density Residential
600mm		National Parks & Reserves
New Reserved	oirs	Natural Waterways
Existing Water Main	5	Private Recreation
Reticulation	Main	Public Recreation
Distribution	Main	Recreational Waterways
Transfer Ma	in	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 32 of 68

Map 32 of 68





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	888	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Environ Conservation
	250mm		Environ Management
	300mm		General Residential
	375mm		Infrastructure
	450mm		Local Centre
	600mm		Low Density Residential
	New Reservoirs		Med Density Residential
Existing	Water Mains		Mixed Use
	Reticulation Main		National Parks & Reserves
	Distribution Main		Private Recreation
_	Transfer Main		Public Recreation
_	Transport - Roads		Recreational Waterways
	Suburb Boundary		Tourist



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 33 of 68

	Sin Da So Pr
0 0.1 0.3 0.5 0.8 1 Kms	DI Tr fo a l No ©



Legend

Proposed Water I	Mains	 Transport - Roads
100mm		Suburb Boundary
150mm	111	Proposed_Developments
200mm		ForecastID_Centres
250mm	Local	Environmental Plan 2022
300mm		Environ Conservation
375mm		Environ Management
450mm		Infrastructure
===== 600mm		National Parks & Reserves
📒 New Res	ervoirs	Private Recreation
Existing Water M	ains	Public Recreation
Reticulat	ion Main	Recreational Waterways
—— Distribut	ion Main	Tourist
Transfer	Main	



iva Balasubramanian

Jate: 14/06/2024 Jource: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map. 34 of 68





Legend			
Propose	d Water Mains		Suburb Boundary
	100mm		M1 Motorway
	150mm	111	Proposed_Developments
	200mm		ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		Environ Management
	600mm		Infrastructure
	New Reservoirs		National Parks & Reserves
Existing	Water Mains		Primary Production
	Reticulation Main		Public Recreation
	Distribution Main		Rural Landscape
_	Transfer Main		Village
	Transport - Roads		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discurring have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 35 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend			
Propose	d Water Mains		Suburb Boundary
	100mm		M1 Motorway
	150mm	111	Proposed_Developments
	200mm		ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		Environ Management
	600mm		Forestry
	New Reservoirs		Infrastructure
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Primary Production
	Distribution Main		Public Recreation
	Transfer Main		Rural Landscape
	Transport - Roads		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 36 of 68

Map 36 of 68





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	88	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Deferred Matter
	250mm		Environ Conservation
	300mm		Environ Living
	375mm		Environ Management
	450mm		Forestry
	600mm		General Industrial
	New Reservoirs		General Residential
Existing	Water Mains		Infrastructure
	Reticulation Main		Local Centre
	Distribution Main		Low Density Residential
_	Transfer Main		National Parks & Reserves
8	Transport - Roads		Primary Production
	Suburb Boundary		Private Recreation
	M1 Motorway		Public Recreation
	Railway		Rural Landscape



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 37 of 68

Map 37 of 68





	Legend			
Propose	ed Water Mains		Suburb Boundary	
	100mm		Railway	
	150mm	777	Proposed_Developments	
	200mm		ForecastID_Centres	
	250mm	Local E	nvironmental Plan 2022	
	300mm		Deferred Matter	
	375mm		Environ Conservation	
	450mm		Environ Living	
	600mm		Environ Management	
	New Reservoirs		General Industrial	
Existing	Water Mains		General Residential	
	Reticulation Main		Infrastructure	
	Distribution Main		Low Density Residential	
	Transfer Main		Private Recreation	
<u> </u>	Transport - Roads		Public Recreation	



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 38 of 68





Central Coast Council

Legend

Proposed \	Water Mains	////	Proposed_Developments
10	0mm		ForecastID_Centres
15	i0mm	Local E	nvironmental Plan 2022
20	0mm		Environ Conservation
25	i0mm		Environ Living
30	0mm		Environ Management
37	′5mm		General Industrial
45	i0mm		General Residential
60	0mm		Infrastructure
📒 Ne	ew Reservoirs		Local Centre
Existing W	ater Mains		Low Density Residential
Re	ticulation Main		Natural Waterways
—— Di	stribution Main		Private Recreation
Tra	ansfer Main		Public Recreation
—— Tra	ansport - Roads		Recreational Waterways
Su	iburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 39 of 68

Map 39 of 68



DISCLAIMER

CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Central Coast Council

Legend

Proposed Water Mains	ForecastID_Centres
===== 100mm	Local Environmental Plan 2022
150mm	Environ Conservation
== 200mm	Environ Living
250mm	Environ Management
300mm	General Residential
375mm	Infrastructure
450mm	Local Centre
600mm	Low Density Residential
New Reservoirs	Mixed Use
Existing Water Mains	National Parks & Reserves
Reticulation Main	Natural Waterways
Distribution Main	Private Recreation
Transfer Main	Productivity Support
Transport - Roads	Public Recreation
Suburb Boundary	Recreational Waterways
Proposed_Developments	Special Activities



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 40 of 68



DISCLAIMER

CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Central Coast Council

Legend

Propose	d Water Mains	17. 4 ^{3.} 4 ⁷ .	ForecastID_Centres
	100mm	Local E	Environmental Plan 2022
	150mm		Environ Conservation
	200mm		Environ Management
	250mm		General Industrial
	300mm		General Residential
	375mm		Infrastructure
	450mm		Local Centre
	600mm		Low Density Residential
	New Reservoirs		Med Density Residential
Existing	Water Mains		Mixed Use
	Reticulation Main		National Parks & Reserves
	Distribution Main		Private Recreation
_	Transfer Main		Productivity Support
-	Transport - Roads		Public Recreation
	Suburb Boundary		Recreational Waterways
////	Proposed_Developments		Special Activities



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 41 of 68





Legend

Proposed	Water Mains		M1 Motorway
	100mm	111	Proposed_Developments
j	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
2	250mm		Deferred Matter
*****	300mm		Environ Conservation
3	375mm		Environ Living
	450mm		Environ Management
(600mm		Forestry
	New Reservoirs		General Industrial
Existing	Water Mains		Infrastructure
	Reticulation Main		National Parks & Reserves
	Distribution Main		Primary Production
_	Transfer Main		Productivity Support
	Transport - Roads		Public Recreation
	Suburb Boundary		Rural Landscape



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map 42 of 68





Legend

Propose	ed Water Mains		Suburb Boundary
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Deferred Matter
	300mm		Environ Conservation
	375mm		Environ Management
	450mm		Forestry
	600mm		General Industrial
	New Reservoirs		Infrastructure
Existing	Water Mains		Low Density Residential
	Reticulation Main		Primary Production
	Distribution Main		Public Recreation
	Transfer Main		Recreational Waterways
5 B	Transport - Roads		Rural Landscape



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 43 of 68

Map 43 of 68





Central Coast Council

Legend

Propose	ed Water Mains	1///	Proposed_Developments
	100mm	<u> </u>	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Deferred Matter
	250mm		Environ Conservation
	300mm		Environ Management
	375mm		Forestry
	450mm		General Industrial
	600mm		General Residential
	New Reservoirs		Infrastructure
Existing	Water Mains		Local Centre
	Reticulation Main		Low Density Residential
	Distribution Main		Mixed Use
_	Transfer Main		Private Recreation
	Transport - Roads		Productivity Support
	Suburb Boundary		Public Recreation
	Railway		Recreational Waterways



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 44 of 68





Legend

Proposed Water Mains	Transport - Roads
100mm	Suburb Boundary
150mm	//// Proposed_Developments
===== 200mm	ForecastID_Centres
250mm	Local Environmental Plan 2022
300mm	Deferred Matter
375mm	Environ Conservation
450mm	Environ Management
===== 600mm	General Industrial
New Reservoirs	Infrastructure
Existing Water Mains	Low Density Residential
Reticulation Main	Private Recreation
Distribution Main	Public Recreation
Transfer Main	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 45 of 68

Map 45 of 68





Legend

Propose	d Water Mains		Transport - Roads
	100mm		Suburb Boundary
	150mm	111.	Proposed_Developments
	200mm	\otimes	ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		Environ Living
	600mm		Environ Management
	New Reservoirs		Infrastructure
Existing	Water Mains		Low Density Residential
	Reticulation Main		National Parks & Reserves
	Distribution Main		Public Recreation
	Transfer Main		



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 46 of 68



Central Coast Council

Legend

Proposed Water Mains	ForecastID_Centres
===== 100mm	Local Environmental Plan 2022
150mm	Deferred Matter
200mm	Environ Conservation
250mm	Environ Living
300mm	Environ Management
375mm	General Industrial
450mm	General Residential
600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	Mixed Use
Distribution Main	National Parks & Reserves
Transfer Main	Private Recreation
Transport - Roads	Public Recreation
Suburb Boundary	Unzoned Land
//// Proposed_Developments	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map 47 of 68





Legend

——— Distribution Main
Transfer Main
Transport - Roads
Suburb Boundary
//// Proposed_Developments
ForecastID_Centres
Local Environmental Plan 2022
Environ Conservation
Low Density Residential
National Parks & Reserves
Public Recreation
Unzoned Land



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 48 of 68



Central Coast Council

Legend

Proposed Water Mains	ForecastID_Centres
100mm	Local Environmental Plan 2022
150mm	Deferred Matter
200mm	Environ Conservation
===== 250mm	Environ Living
300mm	Environ Management
375mm	General Industrial
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Primary Production
Distribution Main	Private Recreation
Transfer Main	Productivity Support
Transport - Roads	Public Recreation
Suburb Boundary	Rural Landscape
M1 Motorway	Special Activities
////, Proposed_Developments	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 49 of 68







Legend

Propose	ed Water Mains	Local E	Environmental Plan 2022
	100mm		Commercial Core
	150mm		Deferred Matter
	200mm		Enterprise Corridor
	250mm		Environ Conservation
	300mm		General Industrial
	375mm		General Residential
	450mm		Infrastructure
	600mm		Local Centre
	New Reservoirs		Low Density Residential
Existing	Water Mains		Mixed Use
	Reticulation Main		National Parks & Reserves
	Distribution Main		Primary Production
	Transfer Main		Private Recreation
	Transport - Roads		Productivity Support
	Suburb Boundary		Public Recreation
	Railway		Recreational Waterways
111.	Proposed_Developments		Rural Landscape
	ForecastID_Centres		Special Activities



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 50 of 68

Map 50 of 68





Central Coast Council

Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	<u> </u>	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Commercial Core
	250mm		Deferred Matter
	300mm		Environ Conservation
	375mm		Environ Management
	450mm		General Industrial
	600mm		General Residential
	New Reservoirs		Infrastructure
Existing	Water Mains		Local Centre
	Reticulation Main		Low Density Residential
	Distribution Main		Mixed Use
_	Transfer Main		Private Recreation
	Transport - Roads		Productivity Support
	Suburb Boundary		Public Recreation
	Railway		Recreational Waterways



Siva Balasubramanian

Date: 14/06/2024

Source: Central Coast Council

Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation © 2018 Central Coast Council, All Rights Reserved.

Map 51 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Central Coast Council

Legend

100mmForecastID_Centres150mmLocal Environmental Plan 2022200mmDeferred Matter250mmEnviron Conservation300mmEnviron Management375mmGeneral Industrial450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreKaticulation MainPrivate RecreationDistribution MainPrivate RecreationTransfer MainPublic RecreationTransport - RoadsSpecial Activities	Propose	ed Water Mains	1///	Proposed_Developments
150mmLocal Environmental Plan 2022200mmDeferred Matter250mmEnviron Conservation300mmEnviron Management375mmGeneral Industrial450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreKater MainsLocal CentreNew ReservoirsPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		100mm	889 885	ForecastID_Centres
200mmDeferred Matter250mmEnviron Conservation300mmEnviron Management375mmGeneral Industrial450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreVater MainsLow Density ResidentialDistribution MainPrivate RecreationTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		150mm	Local E	nvironmental Plan 2022
250mmEnviron Conservation300mmEnviron Management375mmGeneral Industrial450mmGeneral Residential600mmInfrastructure600mmLocal CentreNew ReservoirsLocal CentreKater MainsPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		200mm		Deferred Matter
300mmEnviron Management375mmGeneral Industrial450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreVater MainsLow Density ResidentialNeticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		250mm		Environ Conservation
375mmGeneral Industrial450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreWater MainsLow Density ResidentialReticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainsPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		300mm		Environ Management
450mmGeneral Residential600mmInfrastructureNew ReservoirsLocal CentreWater MainsLow Density ResidentialReticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		375mm		General Industrial
600mmInfrastructure600mmInfrastructureNew ReservoirsLocal CentreExistingWater MainsNew Density ResidentialReticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		450mm		General Residential
New ReservoirsLocal CentreExistingWater MainsLow Density ResidentialReticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		600mm		Infrastructure
Existing Water MainsLow Density ResidentialReticulation MainPrivate RecreationDistribution MainProductivity SupportTransfer MainPublic RecreationTransport - RoadsRecreational WaterwaysSuburb BoundarySpecial Activities		New Reservoirs		Local Centre
Reticulation Main Private Recreation Distribution Main Productivity Support Transfer Main Public Recreation Transport - Roads Recreational Waterways Suburb Boundary Special Activities	Existing	Water Mains		Low Density Residential
Distribution Main Productivity Support Transfer Main Public Recreation Transport - Roads Recreational Waterways Suburb Boundary Special Activities		Reticulation Main		Private Recreation
Transfer Main Public Recreation Transport - Roads Recreational Waterways Suburb Boundary Special Activities		Distribution Main		Productivity Support
Transport - Roads Recreational Waterways Suburb Boundary Special Activities		Transfer Main		Public Recreation
Suburb Boundary Special Activities		Transport - Roads		Recreational Waterways
		Suburb Boundary		Special Activities



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 52 of 68

Map 52 of 68



Central Coast Council

Legend

Propose	d Water Mains		ForecastID_Centres
	100mm	Local E	Environmental Plan 2022
	150mm		Deferred Matter
	200mm		Environ Conservation
	250mm		Environ Living
	300mm		Environ Management
	375mm		General Residential
	450mm		Infrastructure
	600mm		Local Centre
	New Reservoirs		Low Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Natural Waterways
	Distribution Main		Private Recreation
	Transfer Main		Public Recreation
5 	Transport - Roads		Special Activities
	Suburb Boundary		Unzoned Land
111	Proposed_Developments		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved.





Legend

Propose	d Water Mains		Transport - Roads
	100mm		Suburb Boundary
	150mm	111.	Proposed_Developments
	200mm	\otimes	ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Low Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Public Recreation
	Distribution Main		Special Activities
	Transfer Main		Unzoned Land



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 54 of 68





Legend

Proposed Water Mains	Transport - Roads
100mm	Suburb Boundary
150mm	Railway
200mm	//// Proposed_Developments
250mm	ForecastID_Centres
300mm	Local Environmental Plan 2022
375mm	Deferred Matter
450mm	Environ Conservation
600mm	Infrastructure
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Public Recreation
Distribution Main	Recreational Waterways
Transfer Main	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discurring have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 55 of 68





Legend

Proposed Water Mains	Railway
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Deferred Matter
300mm	Environ Conservation
375mm	General Residential
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Natural Waterways
—— Distribution Main	Private Recreation
Transfer Main	Public Recreation
Transport - Roads	Recreational Waterways
Suburb Boundary	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 56 of 68

Map 56 of 68




Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm		ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Deferred Matter
	250mm		Environ Conservation
	300mm		Environ Living
	375mm		Environ Management
	450mm		Infrastructure
	600mm		Local Centre
	New Reservoirs		Low Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Private Recreation
	Distribution Main		Public Recreation
	Transfer Main		Recreational Waterways
	Transport - Roads		Special Activities
	Suburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 57 of 68





Central Coast Council

Legend

Proposed Water Mains	//// Proposed_Developments
= 100mm	ForecastID_Centres
150mm	Local Environmental Plan 2022
200mm	Deferred Matter
250mm	Environ Conservation
300mm	Environ Living
375mm	Environ Management
450mm	General Industrial
600mm	General Residential
New Reservoirs	Infrastructure
Existing Water Mains	Local Centre
Reticulation Main	Low Density Residential
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	Special Activities
Suburb Boundary	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 58 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend

Propose	ed Water Mains		Suburb Boundary
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Deferred Matter
	300mm		Environ Conservation
	375mm		Environ Living
	450mm		Environ Management
	600mm		General Residential
	New Reservoirs		Infrastructure
Existing	Water Mains		Local Centre
	Reticulation Main		Low Density Residential
	Distribution Main		Natural Waterways
	Transfer Main		Public Recreation
5 B	Transport - Roads		Unzoned Land



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 59 of 68





Legend

Proposed Water Mains	Railway
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
===== 200mm	Local Environmental Plan 2022
===== 250mm	Deferred Matter
300mm	Environ Conservation
375mm	General Industrial
450mm	General Residential
600mm	Infrastructure
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Natural Waterways
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	Special Activities
Suburb Boundary	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 60, of 68





Legend

Propose	d Water Mains		Railway
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Deferred Matter
	300mm		Environ Conservation
	375mm		General Industrial
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		National Parks & Reserves
	Distribution Main		Private Recreation
_	Transfer Main		Productivity Support
_	Transport - Roads		Public Recreation
	Suburb Boundary		Recreational Waterways



Siva Balasubramanian

Date: 14/06/2024

Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved.





Legend

Propose	d Water Mains	1///	Proposed_Developments
	100mm	×>>	ForecastID_Centres
	150mm	Local E	nvironmental Plan 2022
	200mm		Deferred Matter
	250mm		Environ Conservation
	300mm		Environ Living
	375mm		Environ Management
	450mm		General Residential
	600mm		Infrastructure
	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		National Parks & Reserves
	Distribution Main		Natural Waterways
—	Transfer Main		Public Recreation
-	Transport - Roads		Recreational Waterways
	Suburb Boundary		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 62 of 68



DISCLAIMER



CENTRAL COAST COUNCIL PROPOSED WATER ASSETS DSP

Legend

Proposed Water Mains	Suburb Boundary
100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Deferred Matter
300mm	Environ Conservation
375mm	Environ Living
450mm	Environ Management
600mm	Infrastructure
New Reservoirs	Local Centre
Existing Water Mains	Low Density Residential
Reticulation Main	National Parks & Reserves
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 63 of 68





Legend

Propose	d Water Mains		Transport - Roads
	100mm		Suburb Boundary
	150mm	111.	Proposed_Developments
	200mm	$\langle X \rangle$	ForecastID_Centres
	250mm	Local E	nvironmental Plan 2022
	300mm		Deferred Matter
	375mm		Environ Conservation
	450mm		Environ Living
	600mm		Environ Management
۲	New Reservoirs		Local Centre
Existing	Water Mains		Low Density Residential
	Reticulation Main		National Parks & Reserves
	Distribution Main		Public Recreation
	Transfer Main		Unzoned Land



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 64 of 68





Legend

Proposed Water Mains	Suburb Boundary
= 100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Deferred Matter
300mm	Environ Conservation
375mm	Infrastructure
450mm	Local Centre
600mm	Low Density Residential
New Reservoirs	National Parks & Reserves
Existing Water Mains	Natural Waterways
Reticulation Main	Public Recreation
—— Distribution Main	Recreational Waterways
Transfer Main	Special Activities
Transport - Roads	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 65 of 68

Map 65 of 68





Legend

Proposed Water Mains	Suburb Boundary
= 100mm	//// Proposed_Developments
150mm	ForecastID_Centres
200mm	Local Environmental Plan 2022
250mm	Deferred Matter
300mm	Environ Conservation
375mm	General Residential
450mm	Infrastructure
600mm	Local Centre
New Reservoirs	Low Density Residential
Existing Water Mains	National Parks & Reserves
Reticulation Main	Private Recreation
—— Distribution Main	Public Recreation
Transfer Main	Recreational Waterways
Transport - Roads	



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 66 of 68

Map 66 of 68





Legend

Propose	d Water Mains		Suburb Boundary
	100mm	111	Proposed_Developments
	150mm		ForecastID_Centres
	200mm	Local E	nvironmental Plan 2022
	250mm		Deferred Matter
	300mm		Environ Conservation
	375mm		Environ Living
	450mm		Infrastructure
	600mm		Local Centre
	New Reservoirs		Low Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Private Recreation
	Distribution Main		Public Recreation
_	Transfer Main		Recreational Waterways
<u> </u>	Transport - Roads		Unzoned Land



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 67 of 68





Legend

Propose	ed Water Mains		Transfer Main
	100mm		Transport - Roads
	150mm		Suburb Boundary
	200mm	///,	Proposed_Developments
	250mm	$\langle \cdot \rangle \langle \cdot \rangle$	ForecastID_Centres
	300mm	Local E	nvironmental Plan 2022
	375mm		Deferred Matter
	450mm		Environ Conservation
	600mm		Environ Living
	New Reservoirs		Low Density Residential
Existing	Water Mains		National Parks & Reserves
	Reticulation Main		Public Recreation
	Distribution Main		



Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 68 of 68

Southern Region Water Supply and Sewerage Development Servicing Plan 2024 Version 1.0 May 2024

Figure 3 Southern Sewerage Works Plan - 2024







	SPS	Local E	Environmental Plan 2022
	Contours 2m		Deferred Matter
	Kincumber EPL Boundary		Environ Conservation
	Sewer Catchment Boundaries		Environ Living
	Natural Drainage Layers		Environ Management
	Sewer Gravity Mains		Forestry
-	Rising Main		General Industrial
111	Proposed_Developments		General Residential
	ForecastID_Centres		Infrastructure
	M1 Motorway		Local Centre
	Railway		Low Density Residential
			National Parks & Reserves
			Primary Production
			Private Recreation
			Public Recreation
			Rural Landscape













	SPS	Local E	Environmental Plan 2022
	Contours 2m		Deferred Matter
	Kincumber EPL Boundary		Environ Conservation
	Sewer Catchment Boundaries		Environ Living
_	Natural Drainage Layers		Environ Management
	Sewer Gravity Mains		Forestry
	Rising Main		General Industrial
111	Proposed_Developments		Infrastructure
	ForecastID_Centres		National Parks & Reserves
	M1 Motorway		Primary Production
			Productivity Support
			Public Recreation
			Rural Landscape















	SPS	Local E	nvironmental Plan 2022
	Proposed Sewer Mains 225mm		Deferred Matter
	Proposed Sewer Mains >=300mm		Environ Conservation
	Contours 2m		Environ Management
_	Kincumber EPL Boundary		Forestry
	Sewer Catchment Boundaries		General Industrial
	Natural Drainage Layers		General Residential
	Sewer Gravity Mains		Infrastructure
	Rising Main		Local Centre
///	Proposed_Developments		Low Density Residential
	ForecastID_Centres		Mixed Use
	Railway		Private Recreation
			Productivity Support
			Public Recreation



















Legenu				
	SPS Upgrade	Local E	Environmental Plan 2022	
	SPS		Deferred Matter	
	New Sewer_Rising_Mains		Environ Conservation	
	Contours 2m		Environ Living	
	Kincumber EPL Boundary		Environ Management	
	Sewer Catchment Boundaries		General Industrial	
	Natural Drainage Layers		General Residential	
	Sewer Gravity Mains		Infrastructure	
	Rising Main		Local Centre	
///	Proposed_Developments		Low Density Residential	
	ForecastID_Centres		Mixed Use	
			National Parks & Reserves	
			Private Recreation	
			Public Recreation	
			Unzoned Land	







Map 9 of 31







	Lugu		
	SPS Upgrade	Local E	Environmental Plan 2022
	SPS		Deferred Matter
-	New Sewer_Rising_Mains		Environ Conservation
	Proposed Sewer Mains 225mm		Environ Living
	Contours 2m		Environ Management
	Kincumber EPL Boundary		General Industrial
	Sewer Catchment Boundaries		Infrastructure
	Natural Drainage Layers		Local Centre
	Sewer Gravity Mains		Low Density Residential
	Rising Main		National Parks & Reserves
///.	Proposed_Developments		Primary Production
	ForecastID_Centres		Private Recreation
	M1 Motorway		Productivity Support
			Public Recreation
			Rural Landscape
			Special Activities









Local Environmental Plan 2022 Commercial Core Enterprise Corridor **Environ Conservation** General Industrial General Residential Low Density Residential National Parks & Reserves **Primary Production Private Recreation** Productivity Support **Public Recreation Recreational Waterways** Rural Landscape

Map 11 of 31







CENTRAL COAST COUNCIL PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

Legend Local Environmental Plan 2022 SPS Upgrade Commercial Core SPS Deferred Matter New Sewer_Rising_Mains Environ Conservation Proposed Sewer Mains 225mm **Environ Management** ■■■■ Proposed Sewer Mains >=300mm General Industrial Contours 2m General Residential Kincumber EPL Boundary Infrastructure Sewer Catchment Boundaries Local Centre Natural Drainage Layers Low Density Residential Sewer Gravity Mains Mixed Use Rising Main Private Recreation /// Proposed_Developments Productivity Support ForecastID_Centres **Public Recreation** Railway **Recreational Waterways**



Siva Balasubramanian

Date: 14/06/2024

Source: Central Coast Council

Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies No part of this map may be reproduced without prior written permission.

© 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved.

Map 12 of 31







Local Environmental Plan 2022 Environ Conservation **Environ Management General Industrial General Residential** Low Density Residential Private Recreation Productivity Support **Public Recreation Recreational Waterways**

Map 13 of 31







Local Environmental Plan 2022 Environ Conservation **Environ Management General Residential** Low Density Residential National Parks & Reserves Natural Waterways Private Recreation Public Recreation

Map 14 of 31







	Legena				
	SPS Upgrade	Local E	Environmental Plan 2022		
	SPS		Deferred Matter		
	New Sewer_Rising_Mains		Environ Conservation		
	Contours 2m		General Residential		
_	Kincumber EPL Boundary		Infrastructure		
	Sewer Catchment Boundaries		Low Density Residential		
_	Natural Drainage Layers		National Parks & Reserves		
	Sewer Gravity Mains		Public Recreation		
	Rising Main		Special Activities		
///	Proposed_Developments		Unzoned Land		
CM N	-				

Map 15 of 31













CENTRAL COAST COUNCIL PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

Legend			
	SPS Upgrade	Local E	nvironmental Plan 2022
	SPS		Deferred Matter
	Proposed Sewer Mains 225mm		Environ Conservation
	Contours 2m		General Residential
_	Kincumber EPL Boundary		Infrastructure
	Sewer Catchment Boundaries		Local Centre
	Natural Drainage Layers		Low Density Residential
	Sewer Gravity Mains		National Parks & Reserves
	Rising Main		Natural Waterways
////	Proposed_Developments		Private Recreation
	ForecastID_Centres		Public Recreation
	Railway		Recreational Waterways



Siva Balasubramanian Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 17 of 31

Map 17 of 31







Legend				
	SPS Upgrade	Local E	Environmental Plan 2022	
	SPS		Deferred Matter	
	Contours 2m		Environ Conservation	
_	Kincumber EPL Boundary		Environ Living	
	Sewer Catchment Boundaries		Environ Management	
	Natural Drainage Layers		Infrastructure	
	Sewer Gravity Mains		Local Centre	
	Rising Main		Low Density Residential	
///	Proposed_Developments		National Parks & Reserves	
	ForecastID_Centres		Private Recreation	
			Public Recreation	
			Recreational Waterways	
			Special Activities	







	SPS	Local E	nvironmental Plan 2022
	STP		Deferred Matter
	New Sewer_Rising_Mains Contours 2m Kincumber EPL Boundary Sewer Catchment Boundaries Natural Drainage Layers Sewer Gravity Mains Rising Main		Environ Conservation Environ Living Environ Management General Industrial General Residential Infrastructure Local Centre
///	Proposed_Developments		Low Density Residential
	ForecastID_Centres		Recreational Waterways
			Special Activities







Local Environmental Plan 2022 Environ Conservation **Environ Management** General Residential Low Density Residential Natural Waterways Public Recreation

Map 20 of 31

s-5 Tiarrichsent 3-5 Tiarrichsent Baad Wickwaling as Aus Scenic Wesidences Scenic Wesidences	
	PF
COPACABANA 0 0.1 0.3 0.5 0.8 1 Kms	5 5 5 7 7 7 7 8 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9





CENTRAL COAST COUNCIL ROPOSED SEWER ASSETS DSP - KINCUMBER EPL





Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Man 21 of 31

Map 21 of 31







	SPS	Local Env	ironmental Plan 2022
	STP	De	eferred Matter
•	Contours 2m	Er	viron Conservation
	Kincumber EPI Boundary	Ge	eneral Industrial
_	Sewer Catchment Boundaries	Ge	eneral Residential
	Natural Drainage Lavers	In	frastructure
	Sewer Gravity Mains	Lo	w Density Residential
	Rising Main	Na	ational Parks & Reserves
111	Proposed Developments	Na	atural Waterways
	ForecastID Centres	Ρι	ublic Recreation
4. X	Railway	Re	ecreational Waterways
	2.512	Sp	pecial Activities







	SPS	Local E	Environmental Plan 2022		
	Contours 2m		Deferred Matter		
_	Kincumber EPL Boundary		Environ Conservation		
	Sewer Catchment Boundaries		General Industrial		
	Natural Drainage Layers		General Residential		
	Sewer Gravity Mains		Infrastructure		
	Rising Main		Local Centre		
111	Proposed_Developments		Low Density Residential		
	ForecastID_Centres		National Parks & Reserves		
	Railway		Private Recreation		
			Productivity Support		
			Public Recreation		
			Recreational Waterways		

Map 23 of 31






PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

	SPS	Local E	Environmental Plan 2022
	Contours 2m		Deferred Matter
	Kincumber EPL Boundary		Environ Conservation
	Sewer Catchment Boundaries		Environ Living
_	Natural Drainage Layers		Environ Management
	Sewer Gravity Mains		General Residential
	Rising Main		Infrastructure
111	Proposed_Developments		Local Centre
	ForecastID_Centres		Low Density Residential
			National Parks & Reserves
			Natural Waterways
			Public Recreation
			Recreational Waterways

Map 24 of 31







PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

	Logo		
	SPS Upgrade	Local E	Environmental Plan 2022
	SPS		Deferred Matter
	Contours 2m		Environ Conservation
	Kincumber EPL Boundary		Environ Living
	Sewer Catchment Boundaries		Environ Management
	Natural Drainage Layers		Infrastructure
	Sewer Gravity Mains		Local Centre
	Rising Main		Low Density Residential
///,	Proposed_Developments		National Parks & Reserves
	ForecastID_Centres		Public Recreation
			Recreational Waterways







PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

	SPS Upgrade	Local E	Environmental Plan 2022
	SPS		Deferred Matter
	New Sewer_Rising_Mains		Environ Conservation
	Contours 2m		Environ Living
_	Kincumber EPL Boundary		Environ Management
	Sewer Catchment Boundaries		Local Centre
_	Natural Drainage Layers		Low Density Residential
	Sewer Gravity Mains		National Parks & Reserves
	Rising Main		Public Recreation
///	Proposed_Developments		Unzoned Land
100	-		

Map 26 of 31

COPACABANA

0 0.1 0.3 0.5 0.8 1 Kms





CENTRAL COAST COUNCIL PROPOSED SEWER ASSETS DSP - KINCUMBER EPL

Legend

Contours 2m Kincumber EPL Boundary

Local Environmental Plan 2022

Public Recreation Unzoned Land

//// Proposed_Developments

ForecastID_Centres

Siva Balasubramanian

Date: 14/06/2024 Source: Central Coast Council Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994

DISCLAIMER

Discussion These maps have been compiled from various sources and the publisher and/or contributors accept no responsibility for any injury, loss or damage arising from the use, error or any omission therein. While all care is taken to ensure a high degree of accuracy, users are invited to notify Councils Geospatial Group of any map discrepancies. No part of this map may be reproduced without prior written permission. © 2017 Department of Finance, Services & Innovation, © 2018 Central Coast Council, All Rights Reserved. Map 27 of 31

Map 27 of 31

























Appendix A Central Coast Water Supply Headworks Development Servicing Plan 2024



Central Coast Council Water Supply Headworks Development Servicing Plan 2024

Version 1. Water Assets & Planning May 2024

TABLE OF CONTENTS

1.	Introduction	3
2.	Applicability of this Plan	3
3.	Area of the Plan	3
4.	Population and Equivalent Water Tenement Projection	3
5.	Reference to Other Development Servicing Plans	4
6.	System Demand	4
7.	System Yield and Water Treatment Capacity	4
7.1.	System Yield	4
7.2.	Water Treatment Capacity	5
8.	Estimates of Asset Values	6
9.	Method of Reviewing/Updating Developer Charges	6
10.	Calculation of Development Service Charges	6
11.	References	7
Appe	ndix A	8

1. Introduction

The purpose of this Development Servicing Plan (DSP) is to determine the water headworks component of Developer Charges applicable to proposed new developments within the Northern and Southern regions of the Central Coast Council (Council) Local Government Area (LGA).

This plan has been prepared in accordance with the requirements of the Water Management Act 2000, using the methodology and parameters determined by the Independent Pricing and Regulatory Tribunal's (IPART) Determination in October 2018 for Maximum prices for connecting, or upgrading a connection, to a water supply, sewerage, or drainage system (October 2018).

2. Applicability of this Plan

This DSP describes the water headworks component of developer charges applicable to the Northern and Southern Region 2024 Development Servicing Plans.

3. Area of the Plan

All lands contained within the Council LGA, connected (or proposed for connection) to Council's water supply scheme may be subject to this DSP. Local area DSPs where applicable will refer to this DSP for headworks component of developer charges. The map of existing Central Coast Water Systems is shown in Appendix A

4. Population and Equivalent Water Tenement Projection

Council has engaged .id consulting for its demographics analysis based on latest Australian Bureau of Statistics (ABS) Census data. .id consulting provides population forecast figures at the level of various geographic areas. Council's North (former Wyong Shire Council LGA) and South (former Gosford City Council LGA) regions forecast is used for headworks DSP. The latest set of forecast population figures up to 2036, available at the time of development of this DSP are used.

Further population projection from 2036 to 2054 is based on previous studies done for sewerage master plan of both North and South regions. The 2036 population has been linearly extrapolated at 1.39% and 0.4% annual growth rates respectively for the Northern and Southern Regions. The portion of the of population not connected to council's water services was deducted while calculating the serviced population. Table 1 below summarises serviced population projection for the North and South regions.

Tenement projection has been done based on average annual water demand of 150KL/tenement as per directions from IPART. The water demand patterns of both North and South regions are slightly different to each other which may further depart in future 1 because of higher scope of growth of BASIX (more water efficient) housing in the northern region than the south. Therefore, the individually climate corrected demand of both regions, North and South has been used to forecast water demand for both regions which is further used for calculating total equivalent water tenements as shown in Table 1.

Year	North	North	South	South	North	South	Total
	Total	Serviced	Total	Serviced	Tenements	Tenements	Tenements
	Population	Population	Population	Population			
30/6/2023	173,917	168,873	178,724	176,758	98,417	99,141	197,558
30/6/2026	183,592	178,268	182,272	180,267	103,892	101,109	205,001
30/6/2031	201,039	195,209	186,597	184,544	113,764	103,508	217,272
30/6/2036	217,751	211,436	190,955	188,854	123,222	105,925	229,147
30/6/2041	233,311	226,545	194,805	192,662	132,027	108,061	240,088
30/6/2046	249,984	242,734	198,732	196,546	141,461	110,239	251,700
30/6/2051	267,847	260,080	202,739	200,509	151,570	112,462	264,032
30/6/2055	283,053	274,844	206,002	203,736	160,175	114,272	274,447

Table 1 Population and tenement Projection

5. Reference to Other Development Servicing Plans

The development charge for the headworks component determined by this DSP will be included in all applicable North and South region DSP charges.

6. System Demand

Council has used iSDP (Integrated Supply Demand Model) for demand forecast. The forecast demand is provided in the table below.

Year	Annual Average Demand ML/year	Average Day Demand ML/day	Peak Day Demand * ML/day
30/6/2021	29,964	82.1	131
30/6/2026	31,028	85.0	136
30/6/2031	32,317	88.5	142
30/6/2036	33,725	92.4	148
30/6/2041	35,299	96.7	155
30/6/2046	37,001	101.4	162
30/6/2051	38,819	106.4	170
30/6/2055	40,400	110.7	177

Table 2 Projected Water Demand for Central Coast Council

* Determined using Peak Demand Factor of 1.6

7. System Yield and Water Treatment Capacity

7.1. System Yield

Council has recently developed its long-term water strategy, Central Coast Water Security Plan June 2023 (CCWSP). The plan was developed collaboratively with Hunter Water Corporation and DCCEEW (then DPE). The hydrological model (Rainfall Runoff Model) was also updated on eSource platform which is considered Australia's National Hydrological Modelling Platform. The yield calculation methodology was synchronised with Hunter Water's risk-based method and newly developed joint WATHNET model was used for system analysis. This aligned the two systems in terms of yield determination, which helped consider joint water options on an equitable basis incorporating the synergies of both systems in the

analysis. The 32,500 ML/year was determined as the current yield of the existing system. While the current agreement with Hunter Water for inter-regional water sharing expires in 2026, it assumed for the purpose of this DSP that the provision for inter-regional water transfers will continue beyond 2026. The system forecast demand exceeds the above-described system yield in 2035.

The CCWSP was developed to plan for future water augmentations when demand will exceed the current system yield. CCWSP is an adaptive plan and is best described as three pillars as below:

Pillar 1 Conserve and use water efficiently

Pillar 2 Maximise existing water supplies to delay new water supplies Pillar 3 Develop new rainfall independent supplies for an adaptive future

The plan has adopted the portfolio with the following options as shown in the Figure 1.

- Increased groundwater supply in 2035
- Increased recycled water supply in 2037
- New PRW supply 2038



• New Desalination supply 2043

Figure 1 Indicative timings of new supplies after demand exceeds the system yield

7.2. Water Treatment Capacity

Total existing water treatment and distribution capacity provided for in the DSP is 300 ML/day which is sufficient to meet the peak day demand up to 2055. It is noted that Council's existing water treatment plants are subject to de-rating under certain raw water quality conditions and the below production capacity cannot be met under a range of different conditions. Figure 2 shows peak day demand versus theoretical treatment capacity over time.



Figure 2 Peak Day Demand vs Water Treatment Capacity

8. Estimates of Asset Values

The asset values are taken as total gross replacement costs from Council's financial asset register which was used to complete a recent revaluation of Council's Water and Sewerage Assets in 2022. The value of existing assets was determined using a Modern Engineering Equivalent Replacement Asset (MEERA) approach as required by IPART. This same approach was required for the 2022 Water and Sewerage Asset revaluation which has satisfied Audit Office of NSW requirements. The values determined are in 2023-24 dollars.

The asset values for un-commissioned future assets are price indexed values as determined during development of CCWSP in 2020-21.

The annual value charges are calculated using 0% discount rate for pre-1996 assets and 2.8% discount rate (real pre-tax WACC as in the prevailing IPART price determination) for post-1996 assets as per IPART's final report on "Maximum prices to connect, extend or upgrade a service for metropolitan water agencies October 2018."

Operating costs are not relevant to this DSP and are detailed in each Local Area DSP.

9. Method of Reviewing/Updating Developer Charges

The Developer Charges determined in this DSP are incorporated into the Northern and Southern Region Water DSPs developed by Central Coast Council. The value of charges payable under the Development Servicing Plan will be held constant in real terms for the life of the Plan by the adjustments specified within Local Area DSPs.

10. Calculation of Development Service Charges

The 2018 Calculation Template provided by IPART has been used to calculate maximum charges that can be levied for the headworks component of developer charges on new developments.

Headworks development service charges assessed per equivalent tenement (ET) are determined as \$5,630 per Equivalent Tenement (ET).

11. References

The following Reports provide the basis upon which the need and capacity of capital works have been assessed:

i. Central Coast Water Security Plan (CCWSP) June 2023

Appendix A

Our water systems on the Central Coast



Figure A-1 Existing Central Coast Water Supply System



Figure A-2 Un-commissioned Future Assets

Table A-1 Maximum Price Calculations Spreadsheet Snips

Central Coast Council Water Supply Headworks Development Servicing Plan

CALCULATION OF MAXIMUM PRICE

Index

	Row
Table 1: Calculation of maximum price (\$, \$2024-25)	16
Table 2: Key variables used in maximum price calculation (\$, \$2024-25)	25
Table 3: Annual calculation over analysis horizon (\$, \$2024-25)	34

Note: an input is required in \$F\$21 to incorporate the Headwork costs per ET into the maximum price.

Table 1: Calculation of maximum price (\$, \$2024-25)

			l.			Reduction for
		Post-1996				expected
		Headworks		commissioned	uncommission	revenue and
Maximum price		costs per ET	Pre-1996 assets	assets	ed assets	operation costs
	Costs to be recovered via DSP		377,122,044	178,302,042	86,326,674	0
	ETs		112,823	115,692	115,692	115,692
5,630	Value per ET		3,343	1,541	746	0
		Percent	59.4%	27.4%	13.3%	

Table 2: Key variables used in maximum price calculation (\$, \$2024-25)

							Sum of PV of	
			Sum of PV of	Sum of PV of	Sum of PV of	Sum of PV of	revenue for	Sum of PV of
			new ETs	Pre-1996	Post-1996	Post-1996	new customers	costs for new
	Sum of PV of	Sum of PV of	(discounted at	commissioned	commissioned	uncommission	(discounted at	ETs (discounted
	new ETs	new ETs	expected	assets	assets	ed assets	expected future	at expected
	(discounted at	(discounted at	revenue and	(discounted at	(discounted at	(discounted at	revenue and	future revenue
Sum of new ETs (not	pre-1996 asset	post-1996 asset	costs discount	pre-1996 asset	post-1996 asset	post-1996 asset	costs discount	and costs
discounted)	discount rate)	discount rate)	rate)	discount rate)	discount rate)	discount rate)	rate)	discount rate)
112,82	3 112,823	115,692	115,692	377,122,044	178,302,042	86,326,674	0	0

PRE-1996 ASSETS WITH A NEXUS TO THE SERVICE FOR WHICH THE MAXIMUM PRICE IS BEING CALCULATED

Consideration must be given to the principles regarding asset exclusions presented on the 'Asset exclusions' worksheet before they are entered into the register. Hyperlink to the 'Asset exclusions' worksheet: <u>Asset exclusions' Asset exclusions' </u>

Date range for assets Start date End date



Register of pre-1996 assets

General inputs						Asset value inputs					
]	Expected system-	Proportion of asset				MEERA value per		
				wide ETs to be	cost to be				unit/measure of length	Total MEERA value	MEERA value to be
		Date		serviced by this	recovered via this		Number of units or	Unit of measure in	(B)	(A x B)	recovered via DSP
Identifier	Description	commissioned		asset	DSP		length of asset (A)	(A)	(\$ as at 1 July 2024)	(\$, \$2024-25)	(\$,\$2024-25)
Raw Water Yield											÷
	Mangrove Creek Dam	30 Jun 1982		274,447	41.1%		1		243,619,489	243,619,489	100,149,741
	Mangrove Creek Weir	30 Jun 1975		274,447	41.1%		1		8,005,298	8,005,298	3,290,905
	Ourimbah Creek Upper Weir	30 June 1979		274,447	41.1%		1		2,158,666	2,158,666	887,408
	Ourimbah Creek to Mardi Dam WMR	30 June 1980		274,447	41.1%		1		4,757,925	4,757,925	1,955,939
	Boomerang Creek Tunnel	30 June 1989		274,447	41.1%		1		226,877,074	226,877,074	93,267,088
	Ourimbah Ck Tunnel	30 June 1979		274,447	41.1%		1		10,147,512	10,147,512	4,171,549
	Mangrove Creek Weir WPS to Somersby WTP WMR (Surge										
	Tanks Included)	30 June 1974		274,447	41.1%		1		64,649,609	64,649,609	26,576,862
	Balance Tank B2	30 June 1971		274,447	41.1%		1		7,142,932	7,142,932	2,936,394
	Balance tanks to Somersby WMR	30 June 1974		274,447	41.1%		1		18,821,722	18,821,722	7,737,438
	Mangrove Creek Pumping Station	30 June 1975		274,447	41.1%		1		17,535,926	17,535,926	7,208,859
	Ourimbah Creek Pumping Station (WPS11)	30 June 1979		274,447	41.1%		1		2,641,731	2,641,731	1,085,991
Treatment and Transfer				274,447	41.1%						-
	Somersby WTP Stage 1	30 June 1970		274,447	41.1%		1		32,636,354	32,636,354	13,416,506
	Somersby Balance Tank 2	30 June 1971		274,447	41.1%		1		6,741,697	6,741,697	2,771,450
	Kariong Reservoir No 1(K1)	30 June 1973		274,447	41.1%		1		6,977,924	6,977,924	2,868,561
	Coastal Connection	30 June 1985		274,447	41.1%		1		13,740,295	13,740,295	5,648,509
	Western Transfer WMT SWTP to K2 Res (WMT-WSTK2)	30 June 1978		274,447	41.1%		1		15,259,432	15,259,432	6,273,013
	Western Transfer WMT K2 Res to North Gosfrod (WMT-KTNG)	30 June 1979		274,447	41.1%		1		6,634,465	6,634,465	2,727,368
	Western Transfer WMT Gosford to T2 Res (WMT-GTT2) Stage				22.2						
		30 June 1980		274,447	41.1%		1		31,053,400	31,053,400	12,765,768
	Western Transfer WMT Gosford to T2 Res (WMT-GTT2)Stage										
	2	30 June 1995		274,447	41.1%		1		36,807,753	36,807,753	15,131,330
	Western Transfer WMT MWTP to T2 Res (WMT-MTT2)	30 June 1980		274,447	41.1%				4,803,185	4,803,185	1,974,545
	Mardi WTP Stage I: 80 ML/d	30 June 1982		274,447	41.1%		1		47,318,607	47,318,607	19,452,246
	Somersby WTP Stage 2	30 June 1986		274,447	41.1%		1		47,727,822	47,727,822	19,620,470
	Kariong Reservoir No 2 (K2)	30 June 1986		274,447	41.1%		1		20,878,153	20,878,153	8,582,817
	Tuggerah 2 Reservoir	30 June 1987		274,447	41.1%		1		15,456,431	15,456,431	6,353,997
	Forresters Beach Pumping Station	30 June 1987		274,447	41.1%		1		1,963,154	1,963,154	807,035
	Ourimbah Pumping Station (WPS17)	30 June 1987		274,447	41.1%		1		6,092,009	6,092,009	2,504,369
	Mardi WTP Stage II: 80 ML/d	30 June 1994		274,447	41.1%		1		16,920,552	16,920,552	6,955,884
										-	



POST-1996 UNCOMMISSIONED ASSETS WITH A NEXUS TO THE SERVICE FOR WHICH THE MAXIMUM PRICE IS BEING CALCULATED

Consideration must be given to the principles regarding asset exclusions presented on the 'Asset exclusions' worksheet before they are entered into the register.

Hyperlink to the 'Asset exclusions' worksheet:

Date range for assets

Start date

01 Jul 2024

Asset exclusions !!A1

Register of uncommissioned assets

G	eneral inputs				Service potential in	puts		Asset value inputs			
						Expected system-	Proportion of asset		MEERA value per		
						wide ETs to be	cost to be		unit/measure of	Total MEERA value	MEERA value to be
			Date	Financial year of	DSP areas	serviced by this	recovered via this	Number of units or	length (B)	(A x B)	recovered via DSP
	Identifier	Description	commissioned	commissioning	serviced by asset	asset	DSP	length of asset (A)	(\$ as at 1 July 2024)	(\$, \$2024-25)	(\$, \$2024-25)
	Future Yield										
	Augmentation			-			-			-	-
		Increased utilisation of GW	30 Jun 2034	2033-34		274,447	41.1%	1	541,025	541,025	222,410
		Expand existing STP based recycling schemes	30 Jun 2037	2036-37		274,447	41.1%	1	7,551,570	7,551,570	3,104,381
		Purified Recycled Water (PRW)	30 Jun 2038	2037-38		274,447	41.1%	1	54,216,400	54,216,400	22,287,866
		Drought Desalination Plant	30 Jun 2043	2042-43		274,447	41.1%	1	273,360,000	273,360,000	112,375,793

Appendix B Southern Water Supply Works Summary

	Diameter	Length	Ra	ate		Forecast
Water Mains - Southern DSP	(mm)	(m)	(\$/	m)	Cost (\$2023/24)	Completion Year
Water Main - Railway Crescent-Niagara Park (1)	250	615	\$ 542.	79	\$ 333,659.79	2030
Water Main - Tuggerah St-Lisarow (2)	150	623	\$ 398.3	38	\$ 248,160.79	2030
Water Main - Hanlan St / Narara (4)	200	381	\$ 453.5	54	\$ 172,622.80	2026
Water Main - Kalawarra Rd-Wyoming (5)	200	475	\$ 453.5	54	\$ 215,323.82	2026
Water Main - Central Coast Hway, East Gosford (7)	200	284	\$ 453.	54	\$ 128,942.12	2030
Water Main - Newling Rd to Bannerman Rd, Lisarow(8)	300	270	\$ 634.8	35	\$ 171,410.76	2030
Water Main - Sylvan Valley Close -Perratt Close (10)	150	140	\$ 398.3	38	\$ 55,772.74	2030
Water Main - Deane St from Narara Valley Rd to existing 150 (13)	150	160	\$ 398.3	38	\$ 63,740.27	2030
Water Main - Hastings Rd to Serpentine Rd (17)	250	930	\$ 542.7	79	\$ 504,796.74	2036
	Total				\$ 1,894,429.84	

Appendix C Southern Sewerage Works Summary - 2024

		New or	Current	Required			Estimated			Odour Dosing	
Pump Station	STP	Upgrade SPS	Capacity	Capacity	M&E	Civil	Completion Date	M&E Cost	Civil Cost	Unit	Cost \$2023/24
ER11	KTP	Upgrade	18	25	1	1	2031	\$ 261,579	\$ 485,790	c T	5 747,369
ER9	КТР	Upgrade	19	22	1		2036	\$ 244,323	\$ -	ç	\$ 244,323
KS2	KTP	Upgrade	7	13	1		2029	\$ 190,987	\$ -		\$ 190,987
M1	KTP	Upgrade	154	201	1		2021	\$ 849,847	\$ -	ç	\$ 849,847
M2	KTP	Upgrade	130	153	1		2029	\$ 724,349	\$ -		\$ 724,349
M3	KTP	Upgrade	100	115	1		2031	\$ 617,808	\$ -		617,808
SD2	KTP	Upgrade	80	110	1		2029	\$ 602,774	\$ -	c T	602,774
SD5	КТР	Upgrade	25	34	1		2029	\$ 306,026	\$ -	, ,	306,026
SD9	KTP	Upgrade	35	44	1		2029	\$ 356,748	\$ -	9	356,748
M4	KTP	Upgrade	25	34	1		2029	\$ 306,026	\$ -	C I	306,026
S5	KTP	Upgrade	80	103	1	1	2029	\$ 581,727	\$ 1,080,351	ç	1,662,078
S6	KTP	Upgrade	32	40	1	1	2029	\$ 342,629	\$ 636,312		\$ 978,941
S8	КТР	Upgrade	15	31	1		2029	\$ 290,339	\$ -	4	\$ 290,339
S9	КТР	Upgrade	15	27	1		2029	\$ 273,083	\$ -		\$ 273,083
NA2	КТР	Upgrade	37	46	1		2029	\$ 370,866	\$ -	4	370,866
A4	КТР	Upgrade	82	99	1		2031	\$ 569,570	\$ -		569,570
A6	КТР	Upgrade	11	15	1		2029	\$ 206,674	\$ -	4	\$ 206,674
FB2	КТР	Upgrade	15	21	1		2029	\$ 238,571	\$ -	0	\$ 238,571
FB1B	KTP	Upgrade	144	182	1		2029	\$ 802,785	\$ -	(802,785
C15	КТР	Upgrade	32	38	1		2031	\$ 326,942	\$ -		326,942
C13	KTP	Upgrade	165	241	1	1	2029	\$ 954,427	\$ 1,772,508	¢	2,726,935
C12	КТР	Upgrade	20	26	1		2029	\$ 261,579	\$ -	0	5 261,579
C11	KTP	Upgrade	15	19	1		2036	\$ 222,361	\$ -	(222,361
C8	КТР	Upgrade	30	39	1		2031	\$ 337,400	\$ -	c,	337,400
C5A	KTP	Upgrade	34	39	1		2036	\$ 337,400	\$ -	Ş	337,400
KA2	КТР	Upgrade	50	63	1	1	2031	\$ 443,288	\$ 823,250	ç	1,266,538
WG3A	KTP	Upgrade	160	201	1		2031	\$ 849,847	\$ -	ç	\$ 849,847
WG4	КТР	Upgrade	100	116	1		2031	\$ 617,808	\$ -	(617,808
WG6	KTP	Upgrade	60	72	1		2031	\$ 474,663	\$ -		474,663
WYMJ	КТР	Upgrade	870	1150	1	1	2031	\$ 2,316,927	\$ 4,302,865	Ś	6,619,792
NAMJ	KTP	Upgrade	340	440	1		2031	\$ 1,611,942	\$ -	ć	1,611,942
A7	КТР	Upgrade	7	34	1	1	2029	\$ 311,255	\$ 578,045		\$ 889,300
										τοτλι 9	

Southe	rn Sewer Rising Mains								
STP	SPS	Diameter (mm)	Length (m)	Flow (L/s)	Velocity (m/s)	Estimated Completion Year		Rate	Cost \$2023/24
KSTP	M3	300	240	115	1.63	2031	\$	673.31	\$ 161,595.36
KSTP	S8	150	161	31	1.74	2029	\$	486.03	\$ 78,250.35
KSTP	FB2	150	285	21	1.19	2029	\$	486.03	\$ 138,517.70
KSTP	C13	375	639	241	2.18	2029	\$	820.39	\$ 524,226.65
KSTP	TM0J (Proposed additiona	600	900	447	1.58	2029	\$	1,692.48	\$ 1,523,229.30
KSTP	SI5(New SPs)	100	206	6	0.76	2031	\$	422.83	\$ 87,103.39
KSTP	SI6(New SPs)	100	432	7	0.89	2031	\$	422.83	\$ 182,663.42
KSTP	NAMJ Rising main	600	1400	590	2.09	2031	\$	1,692.48	\$ 2,369,467.80
							То	tal:	\$ 5,065,053.97

Southern	Sewer Gravity Mains															
		Diameter	Length			Ground F	Required					Estimate	d			
STP	SPS	(mm)	(m)	Top(m)	Bottom(m)	Grade	Grade	Comment I	Depth(m)	Depth(m)	Precinct/Suburb	Completion Dat	e	Rate (\$/m)		Cost \$2023/24
KSTP	S06	450	350	9	7	0.0057	0.0025		1.80	1.5-3	East Gosford	2029	\$	1,169.68	\$	409,599.24
KSTP	S03	525	455	9	3	0.0132	0.0021		1.88	1.5-3	East Gosford	2029	\$	1,253.56	\$	570,870.77
KSTP	NAM	300	171	6	4	0.0117	0.0042		1.65	1.5-3	North Avoca	2029	\$	741.11	\$	126,506.62
KSTP	N04	225	258	12	8	0.0155	0.0062		1.58	1.5-3	Narara	2029	\$	587.14	\$	151,364.43
KSTP	N18	225	181	17	16	0.0055	0.0062		1.70	1.5-3	Lisarow	2029	\$	587.14	\$	106,096.02
KSTP	S02	225	177	8	6	0.0113	0.0062		1.58	1.5-3	East Gosford	2029	\$	587.14	\$	103,630.03
								D/S of TMJ								
KCTD	Th 41	600	405				r	Ising main (11	4.05	4 5 3	Territori	2020	~	4 577 50	~	107 107 10
KSTP	I IVIJ	600	125					line)	1.95	1.5-3	Terrigai	2029	Ş	1,577.58	Ş	197,197.13
							r	D/S OF FISING								
								C10 Upto								
KSTP	TMJ	525	400					C4(HG Line)	1.88	1.5-3	Terrigal	2029	\$	1,253.56	\$	501,423.60
KSTP	ER1	300	215	105.7	104.7	0.0047	0.0042		1.65	1.5-3	Erina	2029	\$	741.11	\$	159,337.58
KSTP	ER1	225	65	119.7	117.7	0.0308	0.0062		1.58	1.5-3	Erina	2029	\$	587.14	\$	38,164.04
KSTP	N7	225	296	108.3	106.7	0.0054	0.0062		1.81	1.5-3	Narara	2029	\$	587.14	\$	173,793.14
KSTP	C05	300	305	8	4	0.0131	0.0042		1.65	1.5-3	Terrigal	2031	\$	741.11	\$	226,185.25
KSTP	ER11	225	365	15	5	0.0274	0.0062		1.58	1.5-3	Green Point	2031	\$	587.14	\$	214,188.31
KSTP	ER10	300	214	5	3	0.0094	0.0042		1.65	1.5-3	Green Point	2031	\$	741.11	\$	158,440.84
KSTP	ER10	450	106	4	5	-0.0094	0.0025		3.07	3-4.5	Green Point	2031	\$	1,346.63	\$	143,281.22
KSTP	N02	225	106	2	1	0.0094	0.0062		1.58	1.5-3	Narara	2031	\$	587.14	\$	62,412.88
KSTP	WG06	225	245	1	1	0.0000	0.0062		3.09	3-4.5	Tascott	2031	\$	743.40	\$	182,208.08
KSTP	WG03B	300	286	2	1	0.0035	0.0042		1.85	1.5-3	Point Clare	2031	\$	741.11	\$	211,956.03
KSTP	KA03	225	478	176	170	0.0126	0.0062		1.58	1.5-3	Kariong	2031	\$	587.14	\$	280,652.44
KSTP	C08	225	307	3	2	0.0033	0.0062		2.48	1.5-3	Wamberal	2031	\$	587.14	\$	180,134.25
KSTP	N18	375	26	25	24	0.0378	0.0031		1.73	1.5-3	Lisarow	2031	\$	962.86	\$	25,448.44
														Total:	\$	4,222,890.32

Appendix D Central Coast Council Equivalent Tenement Calculation Matrix

Water and Sewer Loading Calculation - ET Assessment for Developer Charges - Central Coast Council

Category	ET Per Unit	Description	Examples
Land Subdivision			
Subdivision (all land use excluding large lot residential)	1 per lot	Land serviced with water supply and/or sewerage	Includes residential, commercial, industrial etc.
Large lot Residential Subdivision (where lot size is greater 2,000m2)	1 ET/lot for Sewerage	consumption is common.	Rural residential development
Residential Accommodation		•	
Residential habitable multi-dwelling properties & tourist development			
1 Bedroom	0.5	Multi dwelling residential development subject to assessment of	Granny flats, dual occupancies, unit development etc. Any
2 Bedroom	0.75	proposed number of bedrooms.	dwelling meeting definition of a habitable dwelling. Studio in
3 or more Bedrooms	1		line with Council DCP will not trigger any charge.
Commercial Accommodation			
Caravan Park-Short Term Site	0.5	Caravan/camp site with shared laundry and camp kitchen	
Caravan Park-Long Term Site	0.75	Permanent occupation site with shared laundry and camp kitchen	
	0.15/bed	Hostel style accommodation with communal bathrooms, kitchens	Backpackers, some boarding houses (dependant on fixtures
Hostel Bed		etc.	arrangements), Youth Hostels Hotels motels some boarding houses (dependent on fixtures
Hotel style accommodation	0.3/room	Hotel/Motel/Inn - Short term occupation	arrangements)
Leanitel Ded	1/bed	Health care facilities where patients are treated on a short-medium	Dublic/nriveta baanitala
	0.4/h = 1	Residential care facilities where occupants receive aged care or	Nursing homes (various levels of care), Aged care facilities,
Nursing Home	0.4/bed	disability support but share kitchen/dining facilities	Disability Group Home
Soniora living douplonment	as per residential multi	Solf contained cities in a multi-dwelling cotting	
	dweiling	Sen contained sites in a multi dwenning setting	
Commercial			Hairdresser
	0.005/sq m		Beauty Salon
Shons/offices		General commercial/business development (excludes home offices within existing residential dwellings)	Offices Retail shops
Shopping Centre Complex	0.001/sq m	Large scale commercial/business development	Westfield, Erina Fair, Woolworths
	0.001/sq.m	Commercial premises utilised for the storage and sale of bulky	
Bulky Goods		goods, typically large floor areas. A premise used for the preparation or service of light food and	Bunnings, Good Guys, Domayne Coffee Shops
Café	0.005/sq.m	coffee to the public	Cafes
Food Description	0.01/sq.m	A premise used for the preparation or service of food product to the	Take away food
Food Premises			Restaurant McDonalds
	0.03/sq.m	A high volume premise used for the preparation or service of food	KFC
High Volume Food Premises	hanad on faragast	products to the public	Hungry Jacks
	water demand or meter		
Nursery	size		Commercial nurseries
	office rate for office		
Showroom/Car yard	showroom area		Holden Dealership
· · · · ·	based on water		
Car wash	consumption	Car wash sites with varying levels of onsite water recycling	Car Lovers Car Wash
	0.04/Per occupant	licence. Floor area associated with internal restaurants/cafes to be	Licenced Club
Licenced Club, Tavern	0.1/	assessed in line with food premises provisions.	Pub
Medical Centre/Practice/Vet	0.4/practice room	Includes consulting rooms, imaging rooms etc.	
Service Station	0.75/no. of lanes		
Laundromat	0.6/machine	Der built up bestere uben een ided with water and/er equarage	
Stables	140	Per built up hectare when serviced with water and/or sewerage	
Industrial		Industrial development utilised for bulk storage and warehousing in	Bulk storage
		which manufacturing is not undertaken. Water shall not be utilised	Warehousing
	0.0005/sq.m	for operational purposes except for provision of staff amenities.	
		separately where the office area exceeds 10% of the total	
Light Industrial		building area.	
		Industrial development in which minimal water consumption may be intermittently utilised within the manufacturing or operational	Dry Manufacturing Dry assembly
	0.001/sq.m	process. Office and administration service areas are	Metal work
		calculated separately where the office area exceeds 10% of	Mechanical workshops
Medium Industrial		Industrial development in which water consumption forms an	Carpentry and joinery Concrete plants
		integral function within the manufacturing or operational process.	Food processing
	Water requirements	Details on water demand and sewage loads must be provided on	Breweries
	and sewage generation	calculated separately where the office area exceeds 10% of	Depois for dirty industry, eg Ausgrid depois with bath house
Heavy Industrial		the total building area.	
Public Services/ Amenities			
	0.04/per pupil-staff		Child Care Pre School
School	0.04/per papir stail	Both headworks and distribution components apply	Day Care Centre
	0.16/berth		Assumes water supply and sewage pump out facilities are
Marina	0.75/herth	per berth only for permanent residence	made available.
	20/2,500m3 Olympic	Proposed pool scaled against an Olympic pool. Amenities	
Swimming Pools	pool	calculated separately.	Swimming Pool
Halls/Auditoriums/Theatres/Recreation	0.5/per w.c, urinal	Public/private recreation and entertainment areas	Downing alleys, cinemas, gyms, dance halls, squash courts, public halls, places of worship.
		Public amenities. Charges will not be levied for amenities provided	
Amonition	0.5/per w.c, urinal	by not-for-profit community groups (non-government), at public	Sports amenities
		000010.	

Appendix E Valuation of Existing and Proposed Assets - 2024

	Water Mains	
	Dia (mm)	Rate \$/m (23/24)
	100	N/A
	150	\$336
	200	\$382
	250	\$457
	300	\$535
	375	\$628
Trunk Maine	450	\$773
	500	\$879
	525	\$932
	600	\$1,078
	650	\$1,141
	750	\$1,396
	825	\$1,495
	1050	\$1.841

Sewer Mains (\$23/24)										
	Dia (mm)	Depth Minimum	Depth 1.5 - 3m Deep	Depth 3 - 5m	Depth >5m (\$/m)					
		(\$/m)	(\$/m)	Deep (\$/m)						
	225	\$480	\$594	\$752	\$918					
	300	\$650	\$749	\$946	\$1,094					
	375	\$832	\$974	\$1,137	\$1,298					
Trunk Mains	450	\$1,051	\$1,183	\$1,362	\$1,511					
	500	\$1,268	\$1,268	\$1,584	\$1,750					
	600	\$1,468	\$1,595	\$1,807	\$1,962					
	750	\$1,283	\$2,107	\$2,252	\$2,407					

	100	\$428
	150	\$492
	200	\$533
	225	\$557
Rising Mains	250	\$596
	300	\$681
	375	\$830
	450	\$978
	600	\$1.712



Pumping Station Cost Curve (\$23/24)

Appendix F Southern Region Developer Charges Calculation Sheet

SOUTHERN REGION WATER SUPPLY

CALCULATION OF MAXIMUM PRICE

Index	
	Bow
Table 1: Calculation of maximum price (\$, \$2024-25)	17
Table 2: Key variables used in maximum price calculation (\$, \$2024-25)	26
Table 3: Annual calculation over analysis horizon (\$, \$2024-25)	35

Note: an input is required in \$G\$22 to incorporate the Headwork costs per ET into the maximum price. Note: an input is required in \$F\$22 to incorporate the Scheme cost allocation per ET into the maximum price.

Table 1: Calculation of maximum price (\$, \$2024-25)

		Headworks costs	Scheme cost		Post-1996	Post-1996	Reduction for expected revenue and operation
Maximum price		per ET	allocation per ET	Pre-1996 assets	assets	assets	costs
	Costs to be recovered via DSP	•	· [46,460,717	7,780,741	434,576	51,982,930
	ETs			31,465	38,311	38,311	9,784
2,008	Value per ET	5,630.00	0.00	1,477	203	11	5,313

Table 2: Key variables used in maximum price calculation (\$, \$2024-25)

	Sum of PV of Pre-	Sum of PV of Post-	Sum of PV of Post-	Sum of PV of	
	1996	1996	1996	revenue for new	Sun
Sum of PV of new	commissioned	commissioned	uncommissioned	customers	costs
Sum of PV of new Sum of PV of new ETs (discounted at	assets	assets	assets	(discounted at	(dis
ETs (discounted at ETs (discounted at expected revenue	(discounted at pre-	(discounted at	(discounted at	expected future	expe
pre-1996 asset post-1996 asset and costs	1996 asset	post-1996 asset	post-1996 asset	revenue and costs	reven
Sum of new ETs (not discounted) discount rate) discount rate) discount rate)	discount rate)	discount rate)	discount rate)	discount rate)	disc
31,465,179 31,465 38,311 9,784	46,460,717	7,780,741	434,576	95,550,607	

SOUTHERN REGION SEWERAGE SUPPLY

CALCULATION OF MAXIMUM PRICE

 Index
 Row

 Table 1: Calculation of maximum price (\$, \$2024-25)
 17

 Table 2: Key variables used in maximum price calculation (\$, \$2024-25)
 26

 Table 3: Annual calculation over analysis horizon (\$, \$2024-25)
 35

Table 1: Calculation of maximum price (\$, \$2024-25)

					Post-1996	Post-1996	Reduction for expected revenue
		Headworks costs	Scheme cost		commissioned	uncommissioned	and operation
Maximum price		per ET	allocation per ET	Pre-1996 assets	assets	assets	costs
	Costs to be recovered via DSP			264,718,719	19,476,612	8,477,951	30,817,796
	ETs			30,685	37,435	37,435	9,517
6,135	Value per ET			8,627	520	226	3,238

Table 2: Key variables used in maximum price calculation (\$, \$2024-25)

Sum of PV of Pre- 1996 Sum of PV of Post- 1996 Sum of PV of post- 1996	Sum of PV of
1996 1996 1996 revenue for new Sum of PV of new commissioned uncommissioned customers Sum of PV of new Tick (discounted at assets assets assets assets	Sum of PV of
Sum of PV of new commissioned commissioned uncommissioned customers Sum of PV of new Tet (viscounted at assets assets assets assets (viscounted at	costs for now FTs
Sum of PV of new Sum of PV of new FTs (discounted at assets assets assets assets (discounted at	COSIS IOI NEW LIS
	(discounted at
ETs (discounted at ETs (discounted at expected revenue (discounted at pre- (discounted at expected future	expected future
pre-1996 asset post-1996 asset and costs 1996 asset post-1996 asset post-1996 asset revenue and costs	revenue and costs
Sum of new ETs (not discounted) discount rate) discount rate)discount rate)discount rate)discount rate)discount rate)discount rate)discount rate) discount rate)discount rate) discount rat	discount rate)
31,130.450 30,685 37,435 9,517 264,718,719 19,476,612 8,477,951 67,802,176	36,984,379