

LIVINGSTONE SHIRE COUNCIL

Local Government Infrastructure Plan

Planning Assumptions Report

2023

Based on the LSCPAM2021 V5

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1.0 Background

In the State of Queensland, it is a requirement of the *Planning Act 2016* that local government prepare a Local Government Infrastructure Plan (LGIP) which forms a part of the local government planning scheme.

The purpose of the local government infrastructure plan is to:

- (1) integrate infrastructure planning with the land use planning identified in the planning scheme;
- (2) provide transparency regarding a local government's intentions for the provision of trunk infrastructure;
- (3) enable a local government to estimate the cost of infrastructure provision to assist its long term financial planning;
- (4) ensure that trunk infrastructure is planned and provided in an efficient and orderly manner; and
- (5) provide a basis for the imposition of conditions about infrastructure on development approvals.

The local government infrastructure plan:

- (1) states the assumptions about future growth and urban development including the assumptions of demand for each trunk infrastructure network;
- (2) identifies the prioritised infrastructure area which is serviced or intended to be serviced with development infrastructure for urban purposes, and which can accommodate urban growth for a period of 10 to 15 years;
- (3) states, for each trunk infrastructure network, the desired standard of performance;
- (4) identifies the existing and future trunk infrastructure for the following networks:
 - (a) water supply;
 - (b) sewerage;
 - (c) stormwater;
 - (d) transport;
 - (e) parks and land for community facilities;
- (5) provides a list of supporting documents that assist in the interpretation of the local government infrastructure plan.

1.1 Purpose of Report

This report has been prepared to assist with interpreting the Livingstone Shire Council Local Government Infrastructure Plan. The report summarises the planning assumptions component of the Local Government Infrastructure Plan and outlines the methodology used to determine the planning assumptions.

1.2 Supporting Material

Various information sources assisted with determining the planning assumptions that were used to inform the preparation of the local government infrastructure plan.

Information sources included the following:

- (1) *Planning Act 2016*, State of Queensland.
- (2) Planning Regulation 2017, State of Queensland.
- (3) Minister's Guidelines and Rules, Under the Planning Act 2016, Version 1.1, State of Queensland, Queensland Treasury, June 2020.
- (4) Guidance for the Minister's Guidelines and Rules: Guidance for Plan Making, State of Queensland, Queensland Treasury, Planning Group, June 2020.
- (5) Local infrastructure planning: Guidance for local governments and applicants, January 2022, Version 1.2, Department of State Development, Infrastructure, Local Government and Planning.
- (6) Livingstone Planning Scheme 2018, Version 3, Livingstone Shire Council.

- (7) Records of Development Permits for Material Change of Use, Livingstone Shire Council Local Government Area, Livingstone Shire Council.
- (8) Records of Development Permits for Reconfiguring a Lot, Livingstone Shire Council Local Government Area, Livingstone Shire Council.
- (9) Records of Variation Approvals, Livingstone Shire Council Local Government Area, Livingstone Shire Council.
- (10) Livingstone Shire Council, GIS Property Database Information as at May 2021 including Parcel Area, Lot Number, Plan Number, Tenure, Locality.
- (11) Livingstone Shire Council, GIS Property Database, General Rate Category Land Use Descriptions as at 2021.
- (12) Digital Aerial Imagery as at 2020, State of Queensland, Department of Resources, Spatial Imagery Subscription Plan.
- (13) Digital Aerial Imagery as at 2021, Nearmap Australia.
- (14) Panoramic Photography as at 2020, Google Streetview.
- (15) Population projections:
 - (a) Queensland Government Statisticians Office (QGSO). Projected population, by local government area, Queensland, 2021 to 2046. These projections were sourced from the Queensland Government population projections, 2023 edition; Australian Bureau of Statistics, Regional population, 2021. 2021 data are preliminary rebased estimated resident population.
 - (b) Queensland Government Statisticians Office (QGSO). Projected population (medium series), by statistical area level 2 (SA2), SA3 and SA4, Queensland, 2021 to 2046. These projections were sourced from the Queensland Government population projections, 2023 edition; Australian Bureau of Statistics, Regional population, 2021. 2021 data are preliminary rebased estimated resident population.
- (16) Dwelling mix assumptions previously applied to the Livingstone Shire Council Local Government Area:
 - (a) Australian Bureau of Statistics 2011 Census;
 - (b) Australian Bureau of Statistics 2016 Census;
 - (c) Queensland Government Statisticians Office 2017 (2011-2036);
 - (d) Queensland Government Statisticians Office 2021 (2016-2041);
 - (e) Livingstone Shire Council Local Government Infrastructure Plan Assumptions Report 2018, Strategic AM Pty Ltd.
- (17) Employee per gross floor area assumptions previously applied to the Livingstone Shire Council Local Government Area:
 - (a) Livingstone Shire Council Local Government Infrastructure Plan Assumptions Report 2018, Strategic AM Pty Ltd.
- (18) Employment rate assumptions previously applied to the Livingstone Shire Council Local Government Area:
 - (a) Australian Bureau of Statistics 2011 Census;
 - (b) Australian Bureau of Statistics 2016 Census;
 - (c) Queensland Government Statisticians Office 2017 (2011-2036);
 - (d) Queensland Government Statisticians Office 2021 (2016-2041).
- (19) Livingstone Shire Council Economic Profile, provided by .ID (Informed Decisions), https://economy.id.com.au/livingstone. Information sourced from the Livingstone Shire Council Economy Profile is compiled by Informed Decisions, and it is derived from information from the Australian Bureau of Statistics and the National Institute of Economic and Industry Research Pty Ltd.

2.0 Purpose of Planning Assumptions

Planning assumptions are an important base for infrastructure planning. The planning assumptions align the expected future land use intensity and the type and pattern of development, as envisaged by the Livingstone Planning Scheme 2018, to infrastructure planning. These planning assumptions, together with the desired standards of service,

provide a logical and consistent basis for the planning of trunk infrastructure networks and the determination of the priority infrastructure areas to support urban development and urban growth.

The planning assumptions component of the local government infrastructure plan state the assumptions and projections about:

- (1) existing and future population, and residential dwelling demand and supply in the Livingstone Shire local government area;
- (2) existing and future employee numbers, and non-residential floor space in the Livingstone Shire local government area; and
- (3) the type, scale, location and timing of development including the associated anticipated demand for each trunk infrastructure network.

3.0 Planning Assumption and Projection Parameters

- (a) To align with Australian Bureau of Statistics census years and statutory requirements, a base year of 2021 and the following projection years were used:
 - (a) mid-year 2026;
 - (b) mid-year 2031;
 - (c) mid-year 2036; and
 - (d) mid-year 2041.
- (b) Broad population projection areas are the Livingstone Local Government Area and Statistical Area Level 2 (SA2) boundaries within the Livingstone Shire Local Government Area. The SA2 boundaries are based on the Australian Statistical Geography Standard. The SA2 projection areas included the following:
 - (a) Emu Park;
 - (b) Glenlee-Rockyview;
 - (c) Rockhampton Surrounds East;
 - (d) Rockhampton Surrounds North;
 - (e) Shoalwater Bay; and
 - (f) Yeppoon.
- (c) Development projections were made based on Medium Series population projections.
- (d) Development projections were made using the residential and non-residential reporting categories and broad development types identified in Table 1 – Relationship between LGIP development category, LGIP development type, and planning scheme land use terms. The reporting categories and development types are an aggregation of Livingstone Planning Scheme 2018 Version 3 land use terms.
- (e) The Livingstone Planning Scheme 2018 Version 3 was the local planning instrument which contained the main parameters used for making assumptions about current and future land use, current and future LGIP development types, development density, development constraints, and developable area for land parcels.
- (f) Ultimate development assumptions were made for relevant parcels of land. Ultimate development was considered to be the realistic extent of development achievable when the parcel is fully developed (within the parameter of the Livingstone Shire Planning Scheme V3). The ultimate development assumptions were made for parcels allocated to a planning scheme zone if the zone was an urban zone which predominantly provides for current or future urban purposes. Ultimate development assumptions were also made for parcels in the Rural Residential Zone, the Township Zone, and land parcels having a current Development Approval for urban development.

Table 1 – Relationship between LGIP development category, LGIP development type, and planning scheme land use terms

planning scheme land		
Column 1 LGIP development category	Column 2 LGIP development type	Column 3 Planning Scheme Land Use Terms
Residential development	Single dwelling	Caretakers accommodation Dual occupancy Dwelling house
	Multiple dwelling	Hotel (accommodation component) Multiple dwelling Relocatable home park Retirement facility Rooming accommodation Short-term accommodation
	Other dwelling	Community residence Dwelling unit Nature based tourism (accommodation component) Non-resident workforce accommodation Resort complex (accommodation component) Rural workers' accommodation Tourist park (accommodation component)
Non-residential development	Commercial	Commercial (Bulk Goods and Supplies): Agricultural supplies store Bulk landscape supplies Garden centre Hardware and trade supplies Outdoor sales Showroom Commercial (Office): Office Sales office
	Retail	Adult store Bar Food and drink outlet Resort complex (retail component) Service industry Service station Shop Shopping centre
	Industrial	High impact industry Low impact industry

Column 1 LGIP development category	Column 2 LGIP development type	Column 3 Planning Scheme Land Use Terms
		Marine industry Medium impact industry Research and technology industry Special industry Warehouse
		Industrial (Rural): Animal husbandry Aquaculture Cropping Extractive industry Permanent plantation Intensive animal industry Intensive horticulture Rural industry Wholesale nursery
	Community	 Winery Places of Assembly: Child care centre Club Community care centre Community use Educational establishment Function facility Funeral parlour Place of worship
		 Entertainment: Hotel Nightclub entertainment facility Theatre Sport and Recreation: Indoor sport and recreation Outdoor sport and recreation Nature based tourism (recreation tourism component)
		Essential Services: Detention facility

Column 1 LGIP development category	Column 2 LGIP development type	Column 3 Planning Scheme Land Use Terms
		Emergency services
		Health care services
		Hospital
		Residential care facility
		Veterinary services
	Other	Specialised uses
		Air services
		Brothel
		Car wash
		Crematorium
		Home based business
		 Major sport, recreation and entertainment facility
		Market
		Motor sport facility
		Port services
		Renewable energy facility
		Tourist attraction
		Transport depot
		 Utility installation (major utilities)
		Minor Uses
		Cemetery
		Environment facility
		Landing
		Major electricity infrastructure
		Outstation
		Park
		Parking station
		Roadside stall
		Substation
		Telecommunications facility
		Utility Installation (minor utilities)

4.0 Methodology

Numerous planning assumptions were made to support the development of the Local Government Infrastructure Plan. The broad process can be summarised under the following headings:

- (1)
- Development Projections; (a) Population Projections;

- (b) Dwelling Demand Projections;
- (c) Employment Projections;
- (d) Non-residential Floor Space Demand Projections;
- (2) Land Use Analysis and Assumptions;
 - (a) Existing Land Use;
 - (b) Future Land Use;
- (3) Development Capacity Analysis and Assumptions;
- (4) Development Sequencing Analysis and Assumptions;
- (5) Infrastructure Analysis and Assumptions;
 - (a) Desired Standards or Service;
 - (b) Infrastructure Demand Conversions;
 - (c) Existing Infrastructure Capacity;
 - (d) Infrastructure Cost Effectiveness and Efficiency;
- (6) Priority Infrastructure Area Determination.

Council's Geographic Information System was an important tool for managing, analysing, processing, and recording information while undertaking work associated with headings two to six above. This process resulted in an update to Council's Geographic Information System parcel-based Planning Assumptions Model in the year 2021 (referred to as the Livingstone Shire Council PAM2021). The Livingstone Shire Council PAM2021 records various planning assumptions and outputs that underpin and assist with making updates to the Local Government Infrastructure Plan.

A large amount of data shown in various tables in this report was extracted from the LSCPAM2021 and converted to Microsoft excel format. Due to rounding, numbers represented in tables may not add up precisely with the output from the LSCPAM2021v5.

A summary of the process and planning assumptions is provided in Section 4.1 through to Section 4.6 of this report. A detailed summary regarding the Infrastructure Analysis and Assumptions is contained in separate infrastructure network summary reports.

4.1 Development Projections

4.1.1 Population Projections

- (1) Broad population projections were made by the Queensland Government Statisticians Office for Statistical Area Level 2 (SA2) boundaries within the Local Government Area of the Livingstone Shire.
- (2) The assumption underpinning the Livingstone Shire Council Local Government Infrastructure Plan is that population growth over the planning horizon accords with the medium series population projections made by the Queensland Government Statisticians Office.
- (3) The broad population projections by Statistical Area Level 2 (SA2) boundaries within the Local Government Area of the Livingstone Shire are stated in Table 2 - Population Projections for the Livingstone Shire SA2 Projection Areas.
- (4) The total population projections for the Livingstone Shire Local Government Area are stated in Table 3 - Population Projections for the Livingstone Shire Local Government Area.

Column 1 Description –					
Projection Area	Base date 2021 (30 June)	2026	2031	2036	2041
SA2 - Emu Park	5,837	6,496	7,306	8,194	9,118

Table 2 - Population Projections for the Livingstone Shire SA2 Projection Areas

Column 1 Description –	Column 2 Assumptions	- Population	per SA2 Pro	piection Areas	5
Projection Area	Base date 2021 (30 June)	2026	2031	2036	2041
Change from previous period	-	+659	+810	+888	+924
SA2 - Glenlee- Rockyview	5,286	5,761	6,256	6,738	7,172
Change from previous period	-	+475	+495	+482	+434
SA2 - Rockhampton Surrounds - East	3,533	3,800	3,989	4,195	4,396
Change from previous period	-	+267	+189	+206	+201
SA2 - Rockhampton Surrounds - North	4,628	4,766	4,814	4,881	4,976
Change from previous period	-	+138	+48	+67	+95
SA2 - Shoalwater Bay	22	22	22	22	22
Change from previous period	-	-	-	-	-
SA2 - Yeppoon	20,575	23,297	27,091	30,667	33,783
Change from previous period	-	+2,722	+3,794	+3,576	+3,116

Table 3 - Population Projections for the Livingstone Shire Local Government Area

Column 1 Description - Projection Area	Column 2 Assumptions - Population per Local Government Area Total				
	Base date 2021 (30 June)	2026	2031	2036	2041
LGA - Livingstone Shire	39,881	44,143	49,479	54,697	59,467
Change from previous period	-	+4,262	+5,336	+5,218	+4,770

4.1.2 Dwelling Demand Projections

- (1) The assumed dwelling type mix for the Livingstone Shire Local Government area was that which is stated in Table 4 Dwelling Type Mix in the Livingstone Shire Local Government Area.
- (2) The assumed dwelling type estimated resident person conversion rate was that which is stated in Table 5 Dwelling Type Estimated Resident Person Conversion Rate in the Livingstone Shire Local Government Area.

- (3) Dwelling demand projections by dwelling type are stated in Table 6 Dwelling Demand Projections by Dwelling Type in the Livingstone Shire Local Government Area.
- (4) Dwelling demand projections by dwelling type were made based on the projected population in Table 3 - Population Projections in the Livingstone Shire Local Government Area, the assumed dwelling type mix stated in Table 4 - Dwelling Type Mixture in the Livingstone Shire Local Government Area, and the dwelling type estimated resident person conversion rates stated in Table 5 - Dwelling Type Estimated Resident Person Conversion Rate in the Livingstone Shire Local Government Area.

Column 1 Description - Dwelling Type	Column 2 Assumptions - Dwelling Type Mixture - Yeppoon SA2, Emu Park SA2	Column 3 Assumptions - Dwelling Type Mixture - Other SA2	
Single Dwelling	86%	100%	
Multiple Dwelling	6%	-	
Other Dwelling	8%	-	

Table 5 - Dwelling Type Estimated Resident Person Conversion Rate in the Livingstone Shire Local Government Area

Column 1	Column 2
Description -	Assumptions -
Dwelling Type	Persons per Dwelling Type
Single Dwelling	2.7
Multiple Dwelling	1.6
Other Dwelling	1.6

Table 6 - Dwelling Demand Projections by Dwelling Type for the Livingstone Shire Local Government Area

Column 1 Description –	Column 2 Assumptions - Dwelling Demand per Dwelling Type			ре
Dwelling Type	2026	2031	2036	2041
Single Dwelling	1,721	1,974	1,957	1,820
Multiple Dwelling	79	108	104	94
Other Dwelling	105	144	141	126

Note: The figures shown in Table 6 represent an assumed 5-year period dwelling demand. The figures are a total of the dwelling demand projections for each Statistical Area within the Livingstone Shire Local Government Area.

4.1.3 Employment Projections

- (1) The assumed employment rate of the Livingstone Shire Local Government Area was thirty-two (32) percent.
- (2) The assumed employment type mix for the Livingstone Shire Local Government Area was that which is stated in Table 7 - Employment Type Mix in the Livingstone Shire Local Government Area.
- (3) Employment projections for the Livingstone Shire Local Government Area are stated in Table 8 - Employment Projections in the Livingstone Shire Local Government Area.
- (4) Employment projections for the Livingstone Shire Local Government Area were made by multiplying the projected population in Table 3 Population

Projections in the Livingstone Shire Local Government Area by the assumed employment rate of thirty-two (32) percent.

- (5) Employment projections categorised by employment type are stated in Table
 9 Employment Projections by Employment Type in the Livingstone Shire
 Local Government Area.
- (6) Employment projections categorised by employment type were made by multiplying the employment projections stated in Table 8 - Employment Projections in the Livingstone Shire Local Government Area, by the assumed employment type percentages stated in Table 7 - Employment Type Mixture in the Livingstone Shire Local Government Area.

Column 1	Column 2	Column 3
Description -	Assumptions -	Assumptions -
Employment Type		LGA Employment Sub-Type
	Type Mixture	Mixture
Commercial	15%	Commercial (Bulk Goods &
		Supplies)
		• 5%
		Commercial (Office)
		• 10%
Retail	20%	-
Industrial	20%	Industrial (Urban):
		• 10%
		Industrial (Rural):
		• 10%
Community	30%	Community (Non-Accommodation):
		• 25%
		Community (Accommodation):
		• 5%
Other	15%	-

Table 7 - Employment Type Mix in the Livingstone Shire Local Government Area

Table 8 - Employment Projections in the Livingstone Shire Local Government Area

Column 1 Description -	Column 2 Assumptions – Employed Persons				
Projection Area	Base date 2021 (30 June)	2026	2031	2036	2041
LGA - Livingstone Shire	12,762	14,126	15,833	17,503	20,283

Table 9 - Employment Projections by Employment Type in the Livingstone Shire Local Government Area

Column 1 Description -	Column 2 Assumptions – Employed Persons				
Employment Type or Sub-Type	Base date 2021 (30 June)	2026	2031	2036	2041
Commercial (Bulk Goods & Supplies)	638	706	792	875	1,014
Commercial (Office)	1,276	1,412	1,584	1,750	2,028
Retail	2,552	2,825	3,167	3,501	4,057

Column 1 Description -	Column 2 Assumptions – Employed Persons				
Employment Type or Sub-Type	Base date 2021 (30 June)	2026	2031	2036	2041
Industrial (Urban)	1,276	1,412	1,584	1,750	2,028
Industrial (Rural)	1,276	1,412	1,584	1,750	2,028
Community (Non- Accommodation)	3,191	3,532	3,958	4,375	5,071
Community (Accommodation)	638	706	792	875	1,014
Other	1,914	2,119	2,375	2,625	3,042

4.1.4 Non-residential Floor Space Demand Projections

- (1) The assumed conversion rates for calculating non-residential floor space demand, based on employment type, were those stated in Table 10 -Employment Type Gross Floor Area Conversion Rate in the Livingstone Shire Local Government Area.
- (2) Non-residential floor space demand projections are stated in Table 11 Gross Floor Area Demand Projections by Employment Type in the Livingstone Shire Local Government Area.
- (3) Non-residential floor space demand projections were made by multiplying the employment projections by employment type in Table 9 - Employment Projections by Employment Type in the Livingstone Shire Local Government Area by the conversion rates stated in Table 10 - Employment Type Gross Floor Area Conversion Rate in the Livingstone Shire Local Government Area.

Table 10 - Employment Type Gross Floor Area Conversion Rate in the Livingstone Shire Local Government Area

Column 1 Description - Employment Type	Column 2 Assumptions - Persons Employed per Gross Floor Area per Employment Type	Column 2 Assumptions - Persons Employed per Gross Floor Area per Employment Sub- Type
Commercial	-	Commercial (Bulk Goods & Supplies) • 1 employee / 50 m ² Commercial (Office) • 1 employee / 25 m ²
Retail	1 employee / 35 m ²	-
Industrial	1 employee / 100 m ²	-
Community	1 employee / 80 m ²	-
Other	1 employee / 40 m ²	-

Table 11 – Gross Floor Area Demand Projections by Employment Type in the Livingstone Shire Local Government Area

Column 1 Description -	Column 2	s – Gross Floo	r Area (m²)		
Employment Type or Sub- Type	Base date 2021 (30 June)	2026	2031	2036	2041
Commercial (Bulk Goods & Supplies)	31,900	35,300	39,600	43,750	50,700
Commercial (Office)	31,900	35,300	39,600	43,750	50,700
Retail	89,320	98,875	110,845	122,535	141,995
Industrial (Urban)	127,600	141,200	158,400	175,000	202,800
Industrial (Rural)	127,600	141,200	158,400	175,000	202,800
Community (Non- Accommodation)	255,280	282,560	316,640	350,000	405,680
Community (Accommodation)	51,040	56,480	63,360	70,000	81,120
Other	76,560	84,760	95,000	105,000	121,680

4.2 Land Use Analysis and Assumptions

Various information sources were analysed to make an assumption about the existing use and future use of each parcel of land in the Livingstone Shire Local Government Area. Information sources which were analysed included the following:

- (1) Livingstone Shire Council, GIS Property Database, General Rate Category Land Use Descriptions as at 2021;
- (2) Digital Aerial Imagery as at 2020, State of Queensland, Department of Resources, Spatial Imagery Subscription Plan;
- (3) Digital Aerial Imagery as at 2021, Nearmap Australia;
- (4) Panoramic Photography as at 2020, Google Streetview;
- (5) Records of Development Permits for Material Change of Use, Livingstone Shire Council Local Government Area, Livingstone Shire Council;
- (6) Records of Development Permits for Reconfiguring a Lot, Livingstone Shire Council Local Government Area, Livingstone Shire Council;
- (7) Records of Variation Approvals, Livingstone Shire Council Local Government Area, Livingstone Shire Council;
- (8) Council officer local knowledge; and
- (9) Livingstone Planning Scheme 2018 Version 3.

4.2.1 Existing Land Use Analysis and Assumptions

An assumption was made about the land use conducted on each parcel in the model. Each parcel in the Livingstone Shire Council PAM2021 was given a description based on the land use terms of the Livingstone Planning Scheme 2018, or where not suitable, an alternative term was allocated. These terms were then converted to a broader best fit land use term which enables other assumptions to be made and enables reporting for Local Government Infrastructure Plan purposes.

Making assumptions about the existing use of each parcel provides a base for making an assumption about the existing supply and capacity for dwellings, population, non-residential floor area and employed persons. Making assumptions about existing land use also enables further assumptions to be made about which parcels have achieved ultimate development and which parcels have further capacity to cater for additional development in the future.

4.2.2 Future Land Use Analysis and Assumptions

Output from the Existing Land Use Analysis and Assumptions was considered. The Livingstone Planning Scheme 2018 Version 3 was then analysed to determine the planning scheme intent and preferences for land use in the Local Government Area. An assumption was made, and each parcel in the Livingstone Shire Council PAM2021 was allocated a best fit land use term which represents a realistic future land use on the parcel (within the framework of the current planning scheme). These terms were then converted to a broader best fit land use term which enables other assumptions to be made and enables reporting for Local Government Infrastructure Plan purposes. An outline of the approach taken to make assumptions about future land use is stated in Table 12 – Outline of Future Land Use Type Assumptions.

Making assumptions about the future use of each parcel provides a base for making assumptions about the future type and number of dwellings, future population, future non-residential development and future employment that can be accommodated. Making assumptions about future land use also enables further assumptions to be made about which parcels likely have achieved ultimate development and which parcels have capacity to cater for additional development in the future.

Table 12 – Outline of Future Land Use Type As	sumptions	
Column 1	Column 2	
Description -	Assumptions -	
Planning Scheme Zone	Predominant Future Land Use Type	
Low Density Residential	Single Dwellings.	
Low-medium Density Residential	Single Dwellings.	
Medium Density Residential	 For vacant land, the future land use was assumed to be Multiple Dwellings. For parcels having an existing Single Dwelling and an unconstrained area >=2,000 m²) the future land use was assumed to be Multiple Dwellings. For parcels having an existing Single Dwelling and an unconstrained area <2,000 m²) the future land use was assumed to be a Single Dwelling. 	
Medium Density Residential (if in the Rosslyn Bay Accommodation Precinct)	Multiple Dwellings.	
Emerging Community (if the predominant land use was considered likely to be or is known to be consistent with a residential category zone)	 For smaller parcels (unconstrained area <10,000 m²) the future land use was assumed to be Single Dwellings; For larger parcels (unconstrained area >=10,000 m²) the future land use was identified as Emerging Community Residential which was assumed to be as follows: 95% of the unconstrained land area of the parcel develops as Single Dwellings; and 5% of the unconstrained land area of the parcel develops as Multiple Dwellings. 	

Table 12 – Outline of Future Land Use Type Assumptions

Column 1	Column 2 Assumptions -
Description - Planning Scheme Zone	Assumptions - Predominant Future Land Use Type
Emerging Community (if located in the Seaspray Local Plan Area)	 Where located in the LPP-01 Seaspray Residential Low Density Local Plan Precinct, the future land use was predominantly assumed to be Single Dwellings. Where located in the LPP-02 Seaspray Residential Medium Density Local Plan
	Precinct, the future land use was predominantly assumed to be Multiple Dwellings.
Rural Residential (Park Residential Precinct)	Single Dwellings.
Rural Residential (Not Park Residential Precinct)	Single Dwellings.
Township	Single Dwellings.
Low Impact Industry	Industrial.
Medium Impact Industry	Industrial.
Emerging Community (The Gateway Industrial Estate)	Industrial.
Specialised Centre	Commercial (Bulk Goods and Supplies).
Special Purpose (if in the Rosslyn Bay Precinct)	The sub-precincts of the Special Purpose Zone and Rosslyn Harbour Precinct at this location were translated to the most suitably aligned non-residential development types of Retail, Industrial, Other, or Community.
Major Centre (Yeppoon)	The ultimate future land use was assumed to
District Centre (none currently)	be as follows:
Local Centre (Emu Park) Note: In the Livingstone Shire Council PAM2021, the zones identified above were all identified as a Major Centre. A major centre was comprised of a specific land use mix, which was determined based on a review of approvals and a survey of	 Ground level and the Storey 1 comprised of a mix of Retail, Commercial, and Community uses at the following percentages: Retail (60%), Commercial (Office) (20%), and Community (20%); Storey 3 or above as Multiple Dwellings.
the existing land uses in these centres. Emerging Community (District Centre)	A District Centre was assumed to be
Notes: The Livingstone Planning Scheme 2018 emerging community zone provides opportunities for master planned communities containing a mix of residential development types plus other non-residential uses. The Strategic Framework identifies general locations for the development of a District Centre.	comprised of mix of Retail, Commercial, and Community uses at the following percentages: Retail (60%), Commercial (Office) (20%), and Community (20%).
Strategically identified potential District Centres have been considered and included at sites in the Livingstone Shire Council PAM2021. Allocation of a District Centre to a parcel accounted for the loss of the equivalent Single Dwellings which might otherwise develop.	
Note: In the Livingstone Shire Council PAM2021, the Neighbourhood Centre Zone was identified as a Minor Centre. A minor centre was comprised of a specific land use mix, which was determined based on a review of approvals and a survey of the existing land uses in these centres.	A Neighbourhood Centre was assumed to be comprised of a mix of Retail and Community uses at the following percentages: Retail (80%) and Community (20%).
Emerging Community (Neighbourhood Centre)	A Neighbourhood Centre was assumed to be comprised of a mix of Retail and Community

Column 1 Description - Planning Scheme Zone	Column 2 Assumptions - Predominant Future Land Use Type
Notes: The Livingstone Planning Scheme 2018 emerging community zone provides opportunities for master planned communities containing a mix of residential development types plus other non-residential uses. The Strategic Framework identifies general locations for the development of neighbourhood centres.	uses at the following percentages: Retail (80%) and Community (20%).
Strategically identified potential neighbourhood centres have been considered and included at sites in the Livingstone Shire Council PAM2021. Allocation of a Minor Centre to a parcel accounted for the loss of the equivalent Single Dwellings which might otherwise develop.	
Rural	The future land use was predominantly identified as Rural which was assumed to be Industrial (Rural) land use types. In circumstances where other non-residential land use types exist, the future land use was assumed to be the existing land use. Parcels were translated to the most suitably aligned non-residential land use types of Retail, Commercial, Industrial, Other, or Community.
Other zones such as the following: • Community Facilities	As per the assumed existing land use. Parcels were translated to the most suitably
Special Purpose	aligned non-residential land use types of
Sport and Recreation	Retail, Commercial, Industrial, Other, or
Open Space	Community.

With regard to the Rural Zone, although Single Dwellings exist on many parcels and additional new dwellings may develop in the Rural Zone on some existing vacant parcels in the future (hence an ability to accommodate some future residential growth), this growth was not considered significant for urban growth trunk infrastructure planning purposes. Consequently, Rural zoned parcels were predominantly assumed to host Rural activities as the primary land use in the future and therefore they were allocated in the PAM2021 as Rural.

With regard to all zones:

- Despite the broad assumptions for development located within specific planning scheme zones, if there was an existing land
 use which was generally inconsistent with the planning scheme zone or it was arguably of a higher order nature or it was
 developed at a higher density then the current planning scheme codes prefer, then the future land use was assumed to
 remain the same as the existing land use.
- If the parcel was assumed to have a low likelihood of accommodating urban residential development types or urban nonresidential development types, the parcels were allocated alternative land use descriptions in the PAM2021. This ensures that no growth is assigned where it is unrealistic.

Examples:

- 1. If an existing non-residential development type such as Commercial, Retail, Other, Community, or Industrial was located within a residential category zone or a rural residential zone, then the future land use was assumed to remain the same as the existing land use.
- 2. If an existing residential development type such as Multiple Dwelling or Other Dwelling was located within a low density residential zone or low-medium density residential zone, then the future land use was assumed to remain the same as the existing land use.
- 3. If a parcel was identified as a base parcel in a community title scheme, then parcel was identified as a 'base parcel' with no assumed future growth potential.
- 4. If a parcel was identified as being constrained or impeded in a way that makes future growth difficult (such as group or community title parcels, access restriction strips, easements or covenants, stormwater management parcels, environmental management and conservation parcels), then the parcel was identified as 'Constraint/Impediment' with no assumed future growth potential.
- 5. If the parcel was identified as being for the purpose of minor uses from an employment generation perspective (such as a landing, pump station, electricity transformer, water reservoir, cemetery, environment facility, electrical substation, outbuildings titled separately), then the parcel was identified as 'Minor' with no assumed future growth potential.

4.3 Development Capacity Analysis and Assumptions

4.3.1 Background

The Development Capacity Analysis involved making assumptions about the capacity of parcels of land to accommodate urban development via the supply of different dwelling types or via the supply of Gross Floor Area for different employment land use types. The capacity of each parcel to accommodate new or additional development is determined after considering the Livingstone Planning Scheme 2018, current development approvals, and other relevant planning and development matters.

The Development Capacity Analysis involved the following actions which are outlined in Section 4.3.2 to Section 4.3.5:

- (1) Development Constraint Analysis and Assumptions;
- (2) Development Density Analysis and Assumptions;
- (3) Development Approvals Analysis and Assumptions; and
- (4) Ultimate Development Assumptions.

4.3.2 Development Constraint Analysis and Assumptions

The Development Constraint Analysis considered absolute constraints and other partial constraints which affect the capacity of each parcel of land to provide for development. Information sources included the Livingstone Planning Scheme 2018 (assessment criteria and overlay maps), other Council spatial layers of relevance in the Geographic Information System, and the Digital Cadastral Database for the Livingstone Shire.

4.3.2.1 Planning Scheme Constraints

Planning scheme related constraint assumptions provide a basis to make further assumptions about the capacity of each parcel to accommodate additional development. The Livingstone Shire Council PAM2021 took into account an array of absolute and partial constraints.

Livingstone Planning Scheme 2018 Version 3 assessment criteria and GIS based spatial constraint layers were analysed to enable assumptions to be made about absolute and partial constraints for development. Constraints were categorised and combined to create new GIS constraint layers for the entire Livingstone Shire Local Government Area. The created GIS constraint layers consisted of the following categories: 100% Constrained, 50% Constrained, 30% Constrained, and 0% Constrained.

Assumptions regarding planning scheme related constraints were as follows:

- The constraint features assumed to be a one-hundred (100) percent constraint on development are stated in Table 13 – Development Constraint Features (100% Constraint).
- (2) The constraint features assumed to be a fifty (50) percent constraint on development are stated in Table 14 Development Constraint Features (50% Constraint).
- (3) The constraint features assumed to be a thirty (30) percent constraint on development are stated in Table 15 Development Constraint Features (30% Constraint).
- (4) Where constraint layers overlap, the higher order constraint becomes the determining constraint layer.

Table 13 – Development Constraint Features (100% Constraint)				
Column 1	Column 2			
Description -	Assumptions -			
Constraint Feature	Constraint Percentage			
MSES – Declared Fish Habitat Area	100% Constraint			
MSES - Wildlife Habitat. Includes Endangered or	100% Constraint			
Vulnerable Wildlife.				
MSES - Regulated Vegetation. Includes Category B	100% Constraint			
Endangered or Of Concern Vegetation.				
MSES – Marine Park. Includes Marine Park – Highly	100% Constraint			
Protected Zones.				
MSES – Protected Area. Includes Protected Area	100% Constraint			
Nature Refuges and Protected Area Estates.				
MSES – High Ecological Value Waters	100% Constraint			
MSES – High Ecological Value Waters (Wetland).	100% Constraint			
MSES – High Ecological Significant Wetlands	100% Constraint			
Wildlife Habitat – Special Least Concern Animal	100% Constraint			
Regulated Vegetation - 100 metres from Wetlands	100% constraint			
Regulated Vegetation - Category C Endangered or Of	100% constraint			
Concern	1000/ 0 1 1			
MLES – Wetlands	100% Constraint			
Stream Order 1 & 2 plus a separation buffer area	100% Constraint			
Stream Order 3 & 4 plus a separation buffer area	100% Constraint			
Stream Order 5+ plus a separation buffer area	100% Constraint			
Coastal Hazard Area – Storm Tide Hazard Area	100% constraint			
(excluding approved major developed sites)	1000/			
Key Resource Area – Resource and Processing Area	100% constraint			
Key Resource Area – Separation Area	100% constraint			
Historic, current, or potential mining and extractive	100% constraint			
resource				
Flood Hazard Area Fitzroy River	100% constraint			
Landslide Hazard Area where slope was 25% or more	100% constraint.			
Major Electricity Infrastructure plus a 30 metre	100% constraint			
separation buffer area	1000(constraint			
Stock Route	100% constraint			
Local Heritage Sites	100% constraint			
State Heritage Sites	100% constraint			
Yeppoon Landfill plus a 500 metre separation buffer	100% constraint			
area for sensitive land use	100% constraint			
Medium Impact Industry Zone plus a 250 metre	100% constraint			
separation buffer area for sensitive land use Mine Areas	100% constraint			
	100% constraint 100% constraint			
MLES - Vegetation and Habitat within Local Biodiversity				
Corridor. The corridor is comprised of the vegetation				
and habitat layer where within 25 metres of identified local corridors.				
MLES – Vegetation and Habitat within Regional	100% constraint			
Biodiversity Corridor. The corridor is comprised of the				
vegetation and habitat layer where within 250 metres of				
identified regional corridors.				

Table 14 – Development Constraint Features (50% Constraint)

Column 1	Column 2	
Description -	Assumptions -	
Constraint Feature	Constraint Percentage	
Identified TUFLOW ARI100 Modelled Areas	50% constraint	

Table 15 – Development Constraint Features (30% Constraint)

Column 1	Column 2	
Description -	Assumptions -	
Constraint Feature	Constraint Percentage	
MLES - Habitat & Vegetation	30% constraint	

4.3.2.2 Road, stormwater management, and park allocation

Road, stormwater management and park allocation assumptions provide a basis to make further assumptions about the capacity of each parcel to accommodate urban development.

The Livingstone Shire Council PAM2021 took into account an allocation of land for road, stormwater management and park allocation for development in different circumstances. The percentage of a parcel that was assumed to be needed for roads, stormwater management and park was consistent with development that has occurred in the Livingstone Shire. This was confirmed by a review of the GIS Digital Cadastral Database and the use of GIS geoprocessing tools for a selection of areas in the Livingstone Shire.

Assumptions regarding roads, stormwater management and park were as follows:

- (1) The percentage of a parcel needed for road, stormwater management, and park was assumed to be dependent on the parcel size in specific zones, and the characteristics of the parcel and its surrounds.
- (2) It was assumed that smaller parcels predominantly exist in infill development areas that have existing roads, stormwater management infrastructure and park, and they are unlikely to require additional allocation for these purposes.
- (3) The rates for parcels assumed to require an allocation for new road, stormwater management or park purposes were those stated in Table 16 – Road, stormwater management and park allocation.

Table 16 – Road, stormwater management and park allocation assumptions

Column 1 Description - Planning Scheme Zone and Parcel Size	Column 2 Assumptions - Parcel Percentage Needed for Road, Stormwater Management and Park	Column 3 Assumptions - Parcel Percentage available for development net of road, stormwater management and park
Low Density Residential	35%	65%
• Applied to Large Parcels (>=5,000 m ²)		
Low-medium Density Residential	35%	65%
• Applied to Large Parcels (>=5,000 m ²)		
Medium Density Residential	35%	65%
• Applied to Large Parcels (>=5,000 m ²)		
Emerging Community (if the predominant land use is likely to be or is known to be consistent with a residential category zone)	35%	65%

Column 1 Description - Planning Scheme Zone and Parcel Size	Column 2 Assumptions - Parcel Percentage Needed for Road, Stormwater Management and Park	Column 3 Assumptions - Parcel Percentage available for development net of road, stormwater management and park
• Applied to Large Parcels (>=5,000 m ²)		
Examples: The Pines Residential Estate, Seahaven Residential Estate, Seaspray Residential Estate, West Emu Park.		
Low Impact Industry	20%	80%
Applied to Large Parcels (>=5,000 m ²)	20%	80%
 Medium Impact Industry Applied to Large Parcels (>=5,000 m²) 	20%	00%
Specialised Centre	20%	80%
Applied to Large Parcels (>=10,000 m ²)		
Emerging Community (if the predominant land use is likely to be or is known to be consistent with an industrial category zone) • Applied to Large Parcels (>=5,000 m ²)	20%	80%
Example: The Gateway Industrial Estate.		
 Rural Residential (General Precinct) Applied to Large Parcels (>=20,000 m²) 	20%	80%
Rural Residential (Park Residential) Applied to Large Parcels (>=20,000 m²) 	20%	80%
Township	20%	80%
Centre Category Zones Applied to Large Parcels (>=5,000 m²) 	30%	70%
Other Urban Zones	30%	70%

4.3.3 Development Density Analysis and Assumptions

Density assumptions provide a basis to make further assumptions about the capacity of each parcel to accommodate urban development. The Livingstone Shire Council PAM2021 took into account realistic densities for development in different circumstances. Development density assumptions were made after consideration was given to the provisions of the Livingstone Planning Scheme 2018 Version 3 and consideration was given to development trends and current development approvals in the Livingstone Shire.

Assumptions regarding development density were as follows:

- The assumed dwelling type sizes were those which are stated in Table 17 Dwelling Type Size Assumptions.
- (2) The assumed densities of dwelling development for different areas within the Local Government Area were predominantly those which are stated in Table 18 – Dwelling Density Assumptions.

(3) The assumed densities of non-residential development for different areas within the Local Government Area were those which are stated in Table 19 – Non-residential Development Density Assumptions.

Table 17 – Dwelling Type Size Assumptions

Column 1	Column 2	
Description -	Assumptions -	
Dwelling Type	Standard Dwelling Size (number of	
0.11	bedrooms) per Dwelling Type	
Single Dwelling	3 bedrooms	
Multiple Dwelling	2 bedrooms	
Other Dwelling	2 bedrooms	
Notes:		
	er Dwelling was known to be comprised of dwelling sizes that ve, then the development was translated as accurately as	

<sup>practicable to an equivalent number of dwellings based on the standard sizes.
Each dwelling house was considered to be the Standard Single Dwelling size.</sup>

Example:

[•] A Multiple Dwelling comprised of twenty (20) dwellings each having one (1) bedroom, was identified as being equivalent to ten (10) standard Multiple Dwellings.

Table 18 – Dwelling Density Assumptions	Table 18 -	Dwelling	Density	Assumptions
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Column 4	
Column 1	Column 2
Description -	Assumptions -
Planning Scheme Zone	Dwelling Density (net of roads,
	stormwater management, parks)
Low Density Residential	15.38 single dwellings per hectare.
	Note: Refer additional notes at the end of this table.
Low-medium Density Residential	22.22 single dwellings per hectare.
	Note: Refer additional notes at the end of this table.
Medium Density Residential	40 multiple dwellings per hectare.
	Note: The density was only applied to vacant parcels or larger parcels containing an existing single dwelling. It was assumed that only these lots have any near term potential and likelihood for viable intensification for multiple dwelling development.
Medium Density Residential (if in the Rosslyn	Density assumptions for residential zone
Bay Accommodation Precinct)	precincts were as follows:
	 Despite parcel size, no allocation for
Notes:	public roads, stormwater management or
The Rosslyn Bay Accommodation Precinct contains greater	park.
building height limits than other Medium Density Zoned areas and a far greater dwelling density is achievable. Parcel	 Site cover for multiple dwelling habitable
specific density assumptions were made at this location.	area portion of building = 50% .
	 Average size of multiple dwelling by floor
	area = 120 m^2 .
	 Building heights as per planning scheme Figure 6.7.3.4.1.3 – Rosslyn Bay Height
	Limits (with the exception being areas
	mapped as a storm tide hazard area).
	• Building storey = 3 metres.
	In areas mapped as a storm tide hazard
	area, a loss of two (2) storeys of building
	height (potential use for car parking and
	other appropriate non-residential

Column 1	Column 2
Description - Planning Scheme Zone	Assumptions - Dwelling Density (net of roads,
	stormwater management, parks)
	development) to ensure habitable floor
	levels satisfy with planning scheme
	requirements.
Emerging Community (if the predominant	Smaller parcels (unconstrained area
land use is likely to be or is known to be	<10,000 m ²) in the Emerging Community
consistent with a residential category zone)	Zone develop at a Low Density
	Residential Zone density of 15.38 single
Note:	dwellings per hectare.
The ratio of single dwelling to multiple dwelling in the master planned communities approved in the Livingstone Shire vary.	 Larger parcels (unconstrained area
A conservative mix of 95% of the land area being Single	>=10,000 m ²) in the Emerging Community
Dwellings and 5% of the land area being Multiple Dwellings.	Zone develop as follows:
	 95% of the unconstrained land area of
	the parcel develops at 15.38 single
	dwellings per hectare; and
	 5% of the unconstrained land area of
	the parcel develops at 40 multiple
	dwellings per hectare.
	Note: Refer additional notes at the end of this table.
Emerging Community (if located in the	Where located in the LPP-01 Seaspray
Seaspray Local Plan Area)	Residential Low Density Local Plan Precinct:
	Development within the residential
Note:	development type of Single Dwelling
The Seaspray Local Plan Area has locally relevant planning scheme provisions for the assessment of development within	develops at a density of 15.38 single
the Seaspray residential neighbourhood. In the Seaspray	dwellings per hectare.
Local Plan Area there are two local plan precincts where the intent is for residential development.	
	Where located in the LPP-02 Seaspray
	Residential Medium Density Local Plan
	Precinct:
	 Development within the residential development type of Multiple
	development type of Multiple Dwelling develops at a density of 40
	multiple dwellings per hectare.
Rural Residential (Park Residential Precinct)	2.5 Single Dwellings per hectare.
Rural Residential (Not Park Residential	0.5 Single Dwellings per hectare.
Precinct)	
Township	Irrespective of size, each parcel was
- r	assigned an ultimate yield of 1 Single
	Dwelling.
Major Centre (Yeppoon)	Density assumptions for residential
District Centre (none presently)	components in the centre category zones
Local Centre (Emu Park)	were as follows:
Maria	No allocation for public roads, stormwater
Note: At this point in time, the centre category zones identified above	management or park.
allow for a similar range of preferred land uses. Within these	Site cover for multiple dwelling habitable
zones there are different planning scheme height limits. The ultimate development was considered to be non-residential	area portion of building = 40% .
uses at ground level and the next storey, and then multiple	Average size of multiple dwelling by floor
dwellings at storey 3 or above (depending on height limit).	area = 100 m ² .
	Multiple dwellings develop above centre
	activities, starting at storey 3 and finishing

Column 1	Column 2		
Description -	Assumptions -		
Planning Scheme Zone	Dwelling Density (net of roads,		
	stormwater management, parks)		
	at the planning scheme building height		
	limit for the zone.		
	 Building heights as per planning scheme 		
	Figure 6.2.2.4.1.1 – Emu Park Business		
	District Height Limits (Local Centre Zone		
	Emu Park), three storeys (District Centre		
	Zone), and Figure 6.2.4.4.1.1 – Yeppoon		
	Business District Height Limits (Major		
	Centre Zone Yeppoon).		
	 Building storey = 3 metres. 		
	 Existing multi-storey mixed-use 		
	development was assumed to be at		
	ultimate development.		
Neighbourhood centre zone	Nil		
Rural zone	Nil		
Other zones such as the following:	Nil		
Community Facilities			
Special Purpose Zone			
Sport and Recreation			
Open Space			
Note:			
 Despite the broad assumptions for development located within specific planning scheme zones as outlined above: if there was an existing land use which was generally inconsistent with the planning scheme zone or it was arguably of a higher order nature or it was developed at a higher density then the current planning scheme codes prefer, then the land use and the density for the parcel was assumed to remain the same as that of the existing land use. If there was a current residential development approval in place over a parcel, and it was considered unlikely that the default density assumption outlined above was to be achieved based on development in accordance with the development approval, then a density closely aligned to the development approval was assumed to be a likely outcome. 			
Examples:	en en iel. Dete il Others, Oceanne ite en la destricture de sete d		
 If an existing non-residential development type such as Commercial, Retail, Other, Community, or Industrial was located within a residential category zone or a rural residential zone, then the future land use was assumed to remain as the existing land use however no additional gross floor area was assumed. The development was assumed to already be at its ultimate development. 			
 If an existing residential development type such as Multiple Dwelling or Other Dwelling was located within a low density residential zone, then the future land use and density was generally assumed to remain the same as that of the existing land use and existing density. The development was assumed to already be at its ultimate development. The only exception to this was if there was significant capacity remaining on the parcel for a continuation of the development. In this circumstance, additional yield was applied on a case-by-case basis after considering the assumed densities stated elsewhere in this table and the nature of the existing development, the site and surrounds. 			
 If a residential development approval for reconfiguring a lot was current and the density was significantly different to the default density assumption for the zone and there was a high likelihood that the development progressed in accordance with the approved lot yield, then a site-specific density was assumed for the parcel. The assumed site-specific density considered the approved lot yield plus an additional yield due to infill via dual occupancy or secondary dwelling type development. 			

Table 19 – Non-residential Development Density Assumptions			
Column 1 Description -	Column 2 Assumptions -		
Planning Scheme Zone	Non-residential Development Density (net		
	of roads, stormwater management, parks)		
Low Impact Industry	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Ultimate building height = 1 storey. At the Tanby Road Industrial Zoned Area, the ultimate gross floor area was based on 50% of the unconstrained parcel area. At the Jabiru Drive/Plover Drive Industrial Zoned Area, the ultimate gross floor area was based on 50% the unconstrained parcel area. At the Jabiru Drive/Plover Drive Industrial Zoned Area, the ultimate gross floor area was based on 50% the unconstrained parcel area. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area 		
Medium Impact Industry	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Ultimate building height = 1 storey. At the Tanby Road Industrial Zoned Area, the ultimate gross floor area was based on 50% of the unconstrained parcel area. At the Jabiru Drive/Plover Drive Industrial Zoned Area, the ultimate gross floor area was based on 50% the unconstrained parcel area. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area 		
Specialised Centre	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Ultimate building height = 1 storey. The ultimate gross floor area was based on 50% of the unconstrained parcel area. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area calculation. 		
Major Centre Zone (Yeppoon) District Centre Zone (none currently) Local Centre Zone (Emu Park)	Existing gross floor area was determined based on digitisation of building footprint (or information from known approved		

Table 19 – Non-residential Development Density Assumptions

Column 1	Column 2
Description -	Assumptions -
Planning Scheme Zone	Non-residential Development Density (net
	 of roads, stormwater management, parks) plans where information was at hand). These centre categories zones are assumed to be comprised of Retail, Commercial, and Community uses at the following percentages Retail (60%), Commercial (Office) (20%) and Community (20%). Ultimate building height as per planning scheme Figure 6.2.2.4.1.1 – Emu Park Business District Height Limits (Local Centre Zone Emu Park), three storeys (District Centre Zone), and Figure 6.2.4.4.1.1 – Yeppoon Business District Height Limits (Major Centre Zone Yeppoon). Retail, Commercial, and Community uses develop on Storey 1 and Storey 2 of buildings. A building storey = 3 metres. The ultimate gross floor area was based on a building site cover of 80%. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area calculation. Existing multi-storey mixed-use development was assumed to be at ultimate development.
Neighbourhood Centre	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Neighbourhood centre category zones are assumed to be comprised of Retail and Community uses at the following percentages Retail (80%) and Community (20%). Ultimate building height = 2 storeys. The ultimate gross floor area was based on a building site cover of 50%. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area calculation.
Emerging Community (Neighbourhood Centre)	The Neighbourhood Centres are assumed to be comprised of Retail and Community uses at the following percentages Retail (80%) and Community (20%).

Column 1	Column 2
Description - Planning Scheme Zone	Assumptions - Non-residential Development Density (net of roads, stormwater management, parks)
	 Ultimate building height = 2 storeys. Neighbourhood Centre size = 2,500 m². Building site cover = 50%, therefore assumed parcel area requirement = 5,000 m².
Emerging Community (District Centre)	 A District Centre develops at locations identified in the Strategic Framework of the Livingstone Planning Scheme 2018 as a District Centre. The District Centre is assumed to be comprised of Retail, Commercial, and Community uses at the following percentages Retail (60%), Commercial (Office) (20%), and Community (20%). District Centre size = 15,000 m². Building site cover = 50%, therefore assumed parcel area requirement = 30,000 m².
Emerging Community (The Gateway Industrial Estate)	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Ultimate building height = 1 storey. Building site cover = 50%. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area calculation.
Special Purpose (Rosslyn Bay Precinct) Notes: The Rosslyn Bay Precinct contains Sub-Precincts which have greater building height limits than other Special Purpose zoned areas. Building height limits vary depending on the sub-precinct of the parcel. Parcel specific density assumptions were made at this location. The sub-precincts at this location broadly translate to the non-residential development types Retail, Industrial and Community.	 Existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). Building heights as per planning scheme Special Purpose Zone Code AO1.1 for the relevant Sub-Precinct. Building site cover = 50%. Ultimate gross floor area = the greater of the parcel site cover based ultimate gross floor area calculation or the existing building footprint gross floor area calculation.
Zones such as the following: • Community Facilities • Special Purpose • Township • Sport and Recreation • Open Space	 If employment generating development was identified: The existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand).

Column 1 Description - Planning Scheme Zone	Column 2 Assumptions - Non-residential Development Density (net of roads, stormwater management, parks)
Note: Examples of development where data may have been captured in the Livingstone Shire Council PAM2021 in this circumstance include: Community Use and Club buildings located in Sports and Recreation Zones such as the Yeppoon Showgrounds, Educational Establishment buildings or Community Use buildings located in the Community Facilities Zone, major Utility Installation buildings located in the Special Purpose Zone such as at the Yeppoon Landfill or Yeppoon Sewage Treatment Facility site, or Food and Drink Outlet buildings located in the Open Space Zone along the Yeppoon foreshore.	 The non-residential employment generating development was assumed to remain as the ultimate land use. The ultimate gross floor area was assumed to be the same as the existing gross floor area.
Rural (employment generating development other than Rural Activities, Mining Activities,	If employment generating development was identified:
Extractive Resource Activities and the like) Note: Examples of development where data may have been captured in the Livingstone Shire Council PAM2021 include: the Meatworks in the locality of Nerimbera, Low Impact Industrial buildings, Education Establishment buildings, or Service Stations.	 The existing gross floor area was determined based on digitisation of building footprint (or information from known approved plans where information was at hand). The non-residential employment generating development was assumed to remain as the ultimate land use. The ultimate gross floor area was assumed to be the same as the existing gross floor area.

Despite the above broad assumptions for development located within specific planning scheme zones, if there was an existing land use which was generally inconsistent with the planning scheme zone or it was arguably of a higher order nature or it was developed at a higher density then the current planning scheme codes prefer, then the land use and the density for the parcel was assumed to remain the same as that of the existing land use.

Examples:

 If an existing non-residential development type such as Commercial, Retail, Other, Community, or Industrial was located within a residential category zone or a rural residential zone, or rural zone, then the existing land use was assumed to remain as a future land use however no additional gross floor area was assumed. The development was assumed to already be at its ultimate development.

4.3.4 Development Approvals Analysis and Assumptions

An analysis of current development approvals of significance and current variation approvals of significance was undertaken. Where specific development yield details were readily available this information was included in the Livingstone Shire Council PAM2021. Development approvals and variation approvals assist with making assumptions about ultimate development and the sequencing of development.

4.3.5 Ultimate Development Assumptions

The Livingstone Shire Council PAM2021 contains assumptions about the realistic total development yield that can be supplied on parcels in specific areas in the Livingstone Shire Local Government Area (within the capacity or limits of the Livingstone Planning Scheme 2018 Version 3). This is referred to as the 'Ultimate Development'. Ultimate development assumptions were made for relevant parcels located within urban category zones, rural residential zones, and rural zoned parcels if the parcels were the subject of a current development approval or variation approval. Consideration is given to the existing dwelling and non-residential floorspace supply. The ultimate development assumptions enable an analysis of the

planning scheme capacity and development approval capacity to supply land for the development of dwellings and non-residential floorspace. Ultimate development can then be compared with the assumed demand projections.

The assumptions about the realistic ultimate development yield for specific parcels took into account the following:

- Future Land Use Analysis and Assumptions;
- Table 5 Dwelling Type Estimated Resident Person Conversion Rate in the Livingstone Shire Local Government Area;
- Table 10 Employment Type Gross Floor Area Conversion Rate in the Livingstone Shire Local Government Area;
- Table 13 Development Constraint Features (100% Constraint);
- Table 14 Development Constraint Features (50% Constraint);
- Table 15 Development Constraint Features (30% Constraint);
- Table 16 Road, stormwater management and park allocation assumptions;
- Table 17 Dwelling Type Size Assumptions;
- Table 18 Dwelling Density Assumptions;
- Table 19 Non-residential Development Density Assumptions; and
- Development Approvals Analysis and Assumptions.

If there was a difference between a development yield forming part of a development approval or variation approval and the development yield calculated for each parcel using the default planning assumptions, then the following process was used when preparing the Livingstone Shire Council PAM2021:

 In circumstances where the current development approval or current variation approval had a development yield which was significantly different to the yield calculated from the default planning assumptions, then a site specific density assumption was used for determining the final ultimate development capacity of the parcel.

Assumptions regarding ultimate development are represented as follows:

- The assumed ultimate dwellings by dwelling type for each projection area are represented in Table 20 – Dwellings by Dwelling Type Ultimate Development Assumptions; and
- (2) The assumed ultimate employment gross floor area by employment type for each projection area are represented in Table 21 – Employment Gross Floor Area by Employment Type Ultimate Development Assumptions.

Table 20 – Dweinings by Dweining Type Onimate Development Assumptions			
Column 1	Column 2		
Description -	Assumptions – Ultimate Dwellings by Dwelling Type		
Projection Area	Reporting Category	Ultimate Dwellings	
Emu Park SA2 (within	Single Dwelling (Existing Rural)	5	
2021 Draft PIA	Single Dwelling	4,334	
Boundary V4)	Multiple Dwelling	1,709	
	Other Dwelling	406	
	Total	6,454	
Emu Park SA2	Single Dwelling (Existing Rural)	67	
(outside 2021 Draft	Single Dwelling	1,715	
PIA Boundary V4)	Multiple Dwelling	169	
	Other Dwelling	0	
	Total	1,951	
Glenlee - Rockyview	Single Dwelling (Existing Rural)	311	
SA2 (outside 2021	Single Dwelling	2,653	
Draft PIA Boundary	Multiple Dwelling	0	

Table 20 – Dwellings by Dwelling Type Ultimate Development Assumptions

Column 1	Column 2		
Description -	Assumptions – Ultimate Dwellings by Dwelling Type		
Projection Area	Reporting Category	Ultimate Dwellings	
V4)	Other Dwelling	0	
	Total	2,964	
Rockhampton Region -	Single Dwelling (Existing Rural)	981	
East SA2 (outside	Single Dwelling	695	
2021 Draft PIA	Multiple Dwelling	0	
Boundary V4)	Other Dwelling	40	
	Total	1,716	
Rockhampton Region -	Single Dwelling (Existing Rural)	1,570	
North SA2 (outside	Single Dwelling	426	
2021 Draft PIA	Multiple Dwelling	0	
Boundary V4)	Other Dwelling	0	
	Total	1,996	
Shoalwater Bay SA2	Single Dwelling (Existing Rural)	0	
(outside 2021 Draft	Single Dwelling	0	
PIA Boundary V4)	Multiple Dwelling	0	
	Other Dwelling	0	
	Total	0	
Yeppoon SA2 (within	Single Dwelling (Existing Rural)	7	
2021 Draft PIA	Single Dwelling	12,167	
Boundary V4)	Multiple Dwelling	5,778	
Yeppoon SA2	Other Dwelling	400	
	Total	18,352	
Yeppoon SA2 (outside	Single Dwelling (Existing Rural)	185	
2021 Draft PIA	Single Dwelling	2,052	
Boundary V4)	Multiple Dwelling	181	
	Other Dwelling	88	
	Total	2,506	
Livingstone Local	Single Dwelling (Existing Rural)	3,126	
Government Area – All	Single Dwelling	24,042	
SA2	Multiple Dwelling	7,837	
	Other Dwelling	934	
	Total	35,939	

Table 21 – Employment Gross Floor Area by Employment Type Ultimate Development Assumptions

Assumptions			
Column 1	Column 2		
Description -	Assumptions – Ultimate Employment Gross Floor Area by		
Projection Area	Employment Type		
	Reporting Category	Ultimate Gross Floor Area (m ²)	
Emu Park SA2 (within	Major Centre Total	93,669	
2021 Draft PIA	• @60% Retail	• 56,201	
Boundary V4)	@20% Commercial (Office)	• 18,734	
	@20% Community	• 18,734	
	Minor Centre Total	2,500	
	• @80% Retail	• 2,000	
	@20% Community	• 500	
	Commercial (Office)	1,201	
	Commercial (Bulk Goods and	0	
	Supplies)		
	Retail	2,945	
	Other	239	
	Community	18,302	
	Industrial	16,193	

Description - Projection Area Assumptions – Ultimate Employment Gross Floor Area by Employment Type Emu Park SA2 (outside 2D1 Park PIA Boundary V4) Reporting Category Ultimate Gross Floor Area (m ²) Major Centre Total 0 0 0 0000 Retail 0 0 0.000 Retail 0 0 0.000 Retail 0 0 0.000 Retail 0 0 0 0 0 0 0 0 0 0 0 0.0000 Retail 0	Column 1	Column 2	
Projection Area Employment Type Reporting Category Ultimate Gross Floor Area (m²) Emu Park SA2 (outside 2021 Drath PIA Boundary V4) Major Centre Total 0 0 0.00000000000000000000000000000000000			ment Gross Floor Area by
Reporting CategoryUtimate Gross Floor Area (m²)Emu Park SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total0@ 20% Commercial (Office)00@ 20% Community00@ 20% Commercial (Office)0Other1,022Commercial (Buk Goods and Supplies)0Retail0Other0@ 20% Commercial (Office)0@ 20% Community0@ 20% Commercial (Office)0 <th></th> <th></th> <th>ment Gross Hoor Area by</th>			ment Gross Hoor Area by
Emu Park SA2 (outside 2021 Draft PIA Boundary V4) Major Centre Total 0 0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.0000 0.0000 0.000000 0.00000 0.0000 0.0000000000 0.00000 0.00000 0.00000000000000000000000000000000000	FIOJECTION Area		Illitimate Creese Electr Area (m^2)
(outside 2021 Draft PIA Boundary V4) • @ 60% Retail • 0 • 0 PIA Boundary V4) • @ 20% Commercial (Office) • 0 • @ 20% Retail • 2000 • @ 20% Community • 500 • @ 20% Community • 6561 • Industrial • 648 • @ 60% Retail • 0 • @ 60% Retail • 0 • @ 60% Retail • 0 • @ 20% Community	Emu Dork SA2		
PIA Boundary V4) • @ 20% Commercial (Office) • 0 • @ 20% Community • 0 • @ 80% Retail • 2000 • @ 80% Retail • 2000 • @ 80% Retail • 2000 • @ 20% Community • 500 • @ 80% Retail • 0 • @ 20% Commercial (Office) 0 Commercial (Office) 0 Commercial (Office) 0 Other 1.022 Community 6.561 Industrial 548 SA2 (outside 2021 0 Draft PIA Boundary • @ 60% Retail 0 • @ 20% Community • 0			•
Image: Construction of the second s		_	
Minor Centre Total 2,500 • @80% Retail • 2000 • @20% Community • 500 Commercial (Office) 0 Other 1,022 Community 6,561 Industrial 548 Other 0 SA2 (outside 2021 0 Draft PIA Boundary • @60% Retail • 0 V4) • @20% Community • 0 • @20% Community • 0 0 • @2			
Rockhampton Region 			-
Rockhampton Region- East SA2 (outside 2021 Draft PIA Boundary V4) • 600 • 000 • 000			
Commercial (Office) 0 Commercial (Bulk Goods and 0 Retail 0 Other 1.022 Community 6,561 Industrial 548 Major Centre Total 0 Opratt PIA Boundary • V4) • @20% Commercial (Office) • @20% Commercial (Office) • @20% Community • 0 Commercial (Ditice) 0 Community 50,745 Industrial • • @20% Community • 0 • @20% Community • 0 •			
Commercial (Bulk Goods and Supplies) 0 Retail 0 Other 1,022 Community 6,561 Industrial 548 Major Centre Total 0 @ @0% Retail • 0 Wajor Centre Total 0 @ @0% Retail • 0 @ @20% Community • 0 Commercial (Bilk Goods and Supplies) 0 Retail 1,231 Other 1,137 Community 50,745 Industrial 2,713 @ @20% Commercial (Office) • 0 @ @20% Community • 0			
Supplies)			
Retail 0 Other 1,022 Community 6,561 Industrial 548 Secondary @60% Retail Oraft PIA Boundary @60% Retail V4) @60% Retail Minor Centre Total 0 @20% Community 0 Commercial (Office) 0 Commercial (Office) 0 Community 50,745 Industrial 2,713 Major Centre Total 0 @20% Commercial (Office) 0 @20% Community 0			0
Other 1,022 Community 6,561 Industrial 548 Secondary 0 SA2 (outside 2021 0 Draft PIA Boundary 0 V4) 0 Mior Centre Total 0 0 020% Community 0 Mior Centre Total 0 0 020% Community 0 Mior Centre Total 0 0 0 020% Community 0 Commercial (Office) 0 0 Commercial (Bulk Goods and Supplies) 0 0 Retail 1,231 0 Other 1,137 0 Community 50,745 1 Industrial 2,713 0 0 0 0 0 East SA2 (outside 2021 Draft PIA Boundary V4) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0
Community 6,561 Industrial 548 Glenlee - Rockyview SA2 (outside 2021) Draft PIA Boundary V4) Major Centre Total 0 0 @60% Retail 0 0 @20% Commercial (Office) 0 0 @20% Community 0 Community 50,745 0 Industrial 2,713 0 0 @20% Commercial (Office) 0 0 @20% Community 0 0 @20% C			
Industrial 548 Glenlee - Rockyview SA2 (outside 2021 Draft PIA Boundary V4) Major Centre Total 0 @ @60% Retail 0 0 @ @20% Commercial (Office) 0 0 @ @20% Community 0 0 Commercial (Office) 0 0 Commercial (Bulk Goods and Supplies) 0 0 Retail 1,231 0 Other 1,137 0 Community 60 0 Retail 0,745 0 Industrial 2,713 0 @ @ 00% Centre Total 0			,
Glenlee - Rockyview SA2 (outside 2021 Major Centre Total 0 Draft PIA Boundary V4) @ 60% Retail 0 @ 20% Community 0 Commercial (Bulk Goods and 0 Community 50,745 Industrial 2,713 Major Centre Total 0 @ 20% Community 0 @ 20% Community 0 @ 20% Community 0 @ 20% Community			
SA2 (outside 2021 Draft PIA Boundary V4) • @ 60% Retail • 0 • @ 20% Commercial (Office) • @ 0 V4) • @ 20% Community • 0 • @ 20% Community • 0 V4) • @ 20% Community • 0 • 0 • 0 V4) • @ 80% Retail • 0 • 0 • 0 • @ 80% Retail • 0 • 0 • 0 • @ 80% Retail • 0 • 0 • 0 • @ 00% Community • 0 • 0 • 0 • Retail 1,137 • 0 • 0 • Other • 1,137 • 0 • 020% Community • 0 • 0 • 0 • 020% Community • 0 • 0 • 0		Industrial	046
SA2 (outside 2021 Draft PIA Boundary V4) • @ 60% Retail • 0 • @ 20% Commercial (Office) • @ 0 V4) • @ 20% Community • 0 • @ 20% Community • 0 V4) • @ 20% Community • 0 • 0 • 0 V4) • @ 80% Retail • 0 • 0 • 0 • @ 80% Retail • 0 • 0 • 0 • @ 80% Retail • 0 • 0 • 0 • @ 00% Community • 0 • 0 • 0 • Retail 1,137 • 0 • 0 • Other • 1,137 • 0 • 020% Community • 0 • 0 • 0 • 020% Community • 0 • 0 • 0	Glanles - Pockaviow	Major Centre Total	0
Draft PIA Boundary V4) @ 20% Commercial (Office) 0 Minor Centre Total 0 @ 80% Retail 0 @ 80% Retail 0 @ 20% Community 0 @ 80% Retail 0 Commercial (Bulk Goods and Supplies) 0 Retail 1,231 Other 1,137 Community 50,745 Industrial 2,713 Major Centre Total 0 @ 20% Commercial (Office) 0 @ 20% Commercial (Office) 0 @ 00% Retail 0 @ 20% Commercial (Office) 0 @ 20% Community 0 @ 20% Community 0 @ 00% Retail 0 @ 00% Retail 0 @ 00% Community 0 @ 00% Retail 0 @ 00% Retail 0 @ 00% Community 0 @ 00% Community 0 @ 00% Community 0 Commercial (Uffice) 23			
V4) • @ 20% Community • 0 Commercial (Difice) 0 Community 50,745 Industrial 2,713 • @ 20% Commercial (Office) • 0 2021 Draft PIA • @ 20% Community • 0 • @ 20% Community • 0 <td></td> <td></td> <td></td>			
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• @20% Community• 0Commercial (Office)0Commercial (Bulk Goods and Supplies)0Retail1,231Other1,137Community50,745Industrial2,713Industrial2,7132021 Draft PIA Boundary V4) Major Centre Total 00• @80% Retail• 0• @80% Retail• 2,000			
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Commercial (Bulk Goods and Supplies)0Retail1,231Other1,137Community50,745Industrial2,713East SA2 (outside 2021 Draft PIA Boundary V4) Major Centre Total 0@ @ 60% Retail• 0@ @ 20% Commercial (Office)• 0• @ 20% Community• 0• @ 60% Retail• 0• @ 80% Retail• 2,000			
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Community50,745Industrial2,713Rockhampton Region - East SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total00@ @0% Retail• 00@ @20% Community• 00@ @10 Commercial (Office)2310Commercial (Bulk Goods and Supplies)00Commercial (Bulk Goods and Supplies)00Other1,2840Community6,7451ndustrial101,8920@ @60% Retail00@ @60% Retail00@ @20% Commercial (Office)00@ @20% Community00@ @20% Commercial (Office)00@ @20% Community00@ @20% Commercial (Office)0<			
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East SA2 (outside 2021 Draft PIA Boundary V4)• @ 60% Retail• 0@ 20% Commercial (Office)• 0• @ 20% Community• 0• @ 20% Community• 0• @ 80% Retail• 0• @ 20% Community• 0• @ 20% Commercial (Office)• 0• @ 20% Community• 0• @ 80% Retail• 2,000	Rockhampton Region -	Major Centre Total	0
2021 Draft PIA Boundary V4)• • • 0 • • • 020% Commercial (Office)• 0 • • 0 • • 0 • • • • 0 • • • • 0 • • • • • • • • • • • • • • • • • • •			
Boundary V4) • @ 20% Community • 0 Minor Centre Total 0 • @ 80% Retail • 0 • @ 20% Community • 0 Commercial (Office) 231 Commercial (Bulk Goods and Supplies) 0 Retail 906 Other 1,284 Community 6,745 Industrial 101,892 Industrial 101,892 • @ 60% Retail 0 2021 Draft PIA Boundary V4) • 0 Minor Centre Total 0 0 • @ 20% Community • • @ 20% Commercial (Office) • • @ 20% Community • • @ 20% Community •		_	
Minor Centre Total0• @80% Retail• 0• @20% Community0Commercial (Office)231Commercial (Bulk Goods and Supplies)0Retail906Other1,284Community6,745Industrial101,892Rockhampton Region - North SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total @20% Community0Major Centre Total0@20% Community• 0@20% Commercial (Office)• 0• @20% Community• 0• @80% Retail• 2,000			
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Commercial (Bulk Goods and Supplies)0Retail906Other1,284Community6,745Industrial101,892Major Centre Total000 </td <td></td> <td></td> <td>-</td>			-
Supplies)Retail906Other1,284Community6,745Industrial101,892Industrial101,892Major Centre Total0002021 Draft PIA@ 60% RetailBoundary V4)@ 20% Community00Minor Centre Total00<			
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Community6,745Industrial101,892Rockhampton Region North SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total00@ 60% Retail• 00@ 20% Commercial (Office)• 00@ 20% Community• 0Minor Centre Total2,500• @ 80% Retail• 2,000			
Industrial101,892Rockhampton Region North SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total00@60% Retail00@20% Commercial (Office)00@20% Community0Minor Centre Total2,5000@80% Retail2,000			,
Rockhampton Region North SA2 (outside 2021 Draft PIA Boundary V4)Major Centre Total000		· · · · · · · · · · · · · · · · · · ·	
North SA2 (outside 2021 Draft PIA Boundary V4)• @60% Retail• 0• @20% Commercial (Office)• 0• @20% Community• 0• @20% Community• 0• @80% Retail• 2,000			
North SA2 (outside 2021 Draft PIA Boundary V4)• @60% Retail• 0• @20% Commercial (Office)• 0• @20% Community• 0• @20% Community• 0• @80% Retail• 2,000	Rockhampton Region -	Major Centre Total	0
2021 Draft PIA Boundary V4) • @ 20% Commercial (Office) • 0 • @ 20% Community • 0 • @ 20% Community • 0 Minor Centre Total 2,500 • @ 80% Retail • 2,000	North SA2 (outside		• 0
Boundary V4) @ 20% Community 0 Minor Centre Total 2,500 • @ 80% Retail • 2,000			
Minor Centre Total 2,500 • @80% Retail • 2,000	Boundary V4)		
@80% Retail 2,000			

Column 1	Column 2				
Description -	Assumptions – Ultimate Employ	ment Gross Floor Area by			
Projection Area					
	Reporting Category	Ultimate Gross Floor Area (m ²)			
	Commercial (Office)	0			
	Commercial (Bulk Goods and	0			
	Supplies)				
	Retail	4,401			
	Other	1,037			
	Community	10,013			
	Industrial	58,399			
Shoalwater Bay SA2	Major Centre Total	0			
(outside 2021 Draft PIA Boundary V4)	• @60% Retail	• 0			
PIA Boundary V4)	@20% Commercial (Office)	• 0			
	@20% Community	• 0			
	Minor Centre Total	0			
	• @80% Retail	• 0			
	@20% Community	• 0			
	Commercial (Office)	0			
	Commercial (Bulk Goods and	0			
	Supplies)				
	Retail	0			
	Other	0			
	Community	0			
	Industrial	0			
Vannaan CAQ (within	Majar Cantra Total	269 590			
Yeppoon SA2 (within 2021 Draft PIA	Major Centre Total @60% Retail	268,589			
Boundary V4)		• 161,153			
	@20% Commercial (Office)	 53,718 			
<i>y</i> ,		50 740			
, , , , , , , , , , , , , , , , , , ,	@20% Community	• 53,718			
	@20% Community Minor Centre Total	6,889			
	@20% Community Minor Centre Total @80% Retail	6,889 • 5,511			
. ,	@20% Community Minor Centre Total @80% Retail @20% Community	6,889 • 5,511 • 1,378			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office)	6,889 • 5,511 • 1,378 6,784			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and	6,889 • 5,511 • 1,378			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies)	6,889 • 5,511 • 1,378 6,784 77,640			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail	6,889 • 5,511 • 1,378 6,784 77,640 12,836			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974			
	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469			
Yeppoon SA2 (outside	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial Major Centre Total	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial Major Centre Total @60% Retail	6,889 ● 5,511 ● 1,378 6,784 77,640 12,836 1,974 105,136 334,469 0 ●			
Yeppoon SA2 (outside	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial Major Centre Total @60% Retail @20% Commercial (Office)	6,889 ● 5,511 ● 1,378 6,784 77,640 12,836 1,974 105,136 334,469 ● 0 ● 0 ● 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial Major Centre Total @60% Retail @20% Commercial (Office) @20% Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0 • 0 • 0 • 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial Major Centre Total @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @80% Retail	6,889 ● 5,511 ● 1,378 6,784 77,640 12,836 1,974 105,136 334,469 ● ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0 ● 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 00			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 00 • 00 • 00 • 00 • 00 • 00 • 00 • 00 • 00 • 1000 • 10000			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) @20% Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 00			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @80% Retail @20% Community Commercial (Office) @20% Community Commercial (Office) @20% Community	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0 • 0 • 0 • 0 • 0 • 0 • 12,836 136 334,469 • 0 • 0 • 0 • 0 • 0 • 0 • 12,836 • 12,836 • 105,136 • 0 • 0 • 0 • 0 • 0 • 0 • 1500 • 154			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) @20% Community Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Office) Retail @20% Community Commercial (Office) Retail @20% Community Retail @20% Community Commercial (Bulk Goods and Supplies) Retail	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0 • 0 • 0 • 0 • 0 • 0 • 1,974 105,136 334,469 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 1500 0 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Office) @20% Community Retail @20% Community Retail @20% Community Retail @20% Community Commercial (Office) Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) @20% Community Retail @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community	6,889 • $5,511$ • $1,378$ $6,784$ $77,640$ 12,836 $1,974$ 105,136 $334,469$ • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 500 0 0 0 0 $5,583$ $5,583$			
Yeppoon SA2 (outside 2021 Draft PIA	@20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other Community Industrial @60% Retail @20% Commercial (Office) @20% Community Minor Centre Total @80% Retail @20% Community Minor Centre Total @80% Retail @20% Community Commercial (Office) Commercial (Office) @20% Community Retail @20% Community Retail @20% Community Retail @20% Community Commercial (Office) Commercial (Office) Commercial (Bulk Goods and Supplies) Retail Other	6,889 • 5,511 • 1,378 6,784 77,640 12,836 1,974 105,136 334,469 • 0			

Column 1 Description - Projection Area	Column 2 Assumptions – Ultimate Employment Gross Floor Area by Employment Type		
	Reporting Category	Ultimate Gross Floor Area (m ²)	
Livingstone Local	Major Centre Total	362,258	
Government Area – All	 @60% Retail 	• 217,354	
SA2	@20% Commercial (Office)	• 72,452	
	@20% Community	• 72,452	
	Minor Centre Total	16,889	
	 @80% Retail 	• 13,511	
	 @20% Community 	• 3,378	
	Commercial (Office)	8,216	
	Commercial (Bulk Goods and	77,794	
	Supplies)		
	Retail	22,319	
	Other	6,693	
	Community	203,085	
	Industrial	514,214	

Assumptions regarding ultimate population and ultimate employment are represented as follows:

- (1) The assumed ultimate estimated resident persons by dwelling type for each projection area are represented in Table 22 Population by Dwelling Type Ultimate Assumptions; and
- (2) The assumed ultimate employed persons by employment type for each projection area are represented in Table 23 Employed Persons by Employment Type Ultimate Assumptions.

Table 22 – Population by Dwelling Type Ultimate Assumptions

Column 1	Column 2		
Description -	Assumptions – Ultimate Population by Dwelling Type		
Projection Area	Reporting Category Ultimate Estimated R		
		Persons	
Emu Park SA2 (within	Single Dwelling (Existing Rural)	14	
2021 Draft PIA	Single Dwelling	11,702	
Boundary V4)	Multiple Dwelling	2,735	
	Other Dwelling	650	
	Combined Total	15,101	
Emu Park SA2	Single Dwelling (Existing Rural)	181	
(outside 2021 Draft	Single Dwelling	4,631	
PIA Boundary V4)	Multiple Dwelling	271	
	Other Dwelling	0	
	Combined Total	5,083	
Glenlee - Rockyview	Single Dwelling (Existing Rural)	840	
SA2 (outside 2021	Single Dwelling	7,164	
Draft PIA Boundary	Multiple Dwelling	0	
V4)	Other Dwelling	0	
	Combined Total	8,004	
Rockhampton Region -	Single Dwelling (Existing Rural)	2,649	
East SA2 (outside	Single Dwelling	1,877	
2021 Draft PIA	Multiple Dwelling	0	
Boundary V4)	Other Dwelling	64	
	Combined Total	4,590	
Rockhampton Region -	Single Dwelling (Existing Rural)	4,239	
North SA2 (outside	Single Dwelling	1,151	

Column 1	Column 2		
Description -	Assumptions – Ultimate Population by Dwelling Type		
Projection Area	Reporting Category	Ultimate Estimated Resident	
		Persons	
2021 Draft PIA	Multiple Dwelling	0	
Boundary V4)	Other Dwelling	0	
	Combined Total	5,390	
Shoalwater Bay SA2	Single Dwelling (Existing Rural)	0	
(outside 2021 Draft	Single Dwelling	0	
PIA Boundary V4)	Multiple Dwelling	0	
	Other Dwelling	0	
	Combined Total	0	
Yeppoon SA2 (within	Single Dwelling (Existing Rural)	19	
2021 Draft PIA	Single Dwelling	32,851	
Boundary V4)	Multiple Dwelling	9,245	
	Other Dwelling	640	
	Combined Total	42,755	
Yeppoon SA2 (outside	Single Dwelling (Existing Rural)	500	
2021 Draft PIA	Single Dwelling	5,541	
Boundary V4)	Multiple Dwelling	290	
	Other Dwelling	141	
	Combined Total	6,472	
Livingstone Local	Single Dwelling (Existing Rural)	8,442	
Government Area – All	Single Dwelling	64,917	
SA2	Multiple Dwelling	12,541	
	Other Dwelling	1,495	
	Combined Total	87,395	

Table 23 – Emplo	ved Persons b	v Employmer	nt Type Ul	timate Assumptions
	,	,		

Column 1	Column 2		
Description -	Assumptions – Ultimate Employed Persons by Employment		
Projection Area	Туре		
	Reporting Category	Ultimate Employed Persons	
Emu Park SA2 (within	Major Centre Total	2,591	
2021 Draft PIA	 @60% Retail 	• 1,606	
Boundary V4)	@20% Commercial (Office)	• 750	
	@20% Community	• 235	
	Minor Centre Total	65	
	• @80% Retail	• 58	
	@20% Community	• 7	
	Commercial (Office)	49	
	Commercial (Bulk Goods and	0	
	Supplies)		
	Retail	85	
	Other	6	
	Community	229	
	Industrial	162	
Emu Park SA2	Major Centre Total	0	
(outside 2021 Draft	• @60% Retail	• 0	
PIA Boundary V4)	@20% Commercial (Office)	• 0	
	@20% Community	• 0	
	Minor Centre Total	65	
	• @80% Retail	• 58	
	@20% Community	• 7	
	Commercial (Office)	0	

Column 1	Column 2		
Description -	Assumptions – Ultimate Employed Persons by Employment		
Projection Area	Туре		
	Reporting Category	Ultimate Employed Persons	
	Commercial (Bulk Goods and	0	
	Supplies)		
	Retail	0	
	Other	26	
	Community	82	
	Industrial	6	
Clarica Declariour	Majar Cantro Total		
Glenlee - Rockyview SA2 (outside 2021	Major Centre Total	0	
Draft PIA Boundary	• @60% Retail	• 0	
V4)	@20% Commercial (Office) @20%(Commercial to a commercial)	• 0	
v ')	@20% Community Minor Centre Total	• 0 0	
	• @80% Retail	• 0	
	@20% Community	• 0	
	Commercial (Office) Commercial (Bulk Goods and	0	
	Supplies)	0	
	Retail	36	
	Other	29	
	Community	635	
	Industrial	28	
Rockhampton Region -	Major Centre Total	0	
East SA2 (outside	• @60% Retail	• 0	
2021 Draft PIA	@20% Commercial (Office)	• 0	
Boundary V4)	@20% Community	• 0	
	Minor Centre Total	0	
	• @80% Retail	• 0	
	@20% Community	• 0	
	Commercial (Office)	10	
	Commercial (Bulk Goods and	0	
	Supplies)		
	Retail	26	
	Other	33	
	Community	85	
	Industrial	1,019	
Rockhampton Region -	Major Centre Total	0	
North SA2 (outside 2021 Draft PIA	• @60% Retail	• 0	
Boundary V4)	@20% Commercial (Office)	• 0	
Doundary V4)	@20% Community	• 0	
	Minor Centre Total	65	
	• @80% Retail	• 58	
	@20% Community	• 7	
	Commercial (Office)	0	
	Commercial (Bulk Goods and	0	
	Supplies) Retail	126	
	Other	126 26	
	Community	126	
	Industrial	584	
Shoalwater Bay SA2	Major Centre Total	0	
Shoumater Day OAZ		•	

Column 1	Column 2							
Description -	Assumptions – Ultimate Employ	red Persons by Employment						
Projection Area	Туре							
	Reporting Category	Ultimate Employed Persons						
(outside 2021 Draft	• @60% Retail	0						
PIA Boundary V4)	@20% Commercial (Office)	0						
	@20% Community	0						
	Minor Centre Total	0						
	• @80% Retail	0						
	@20% Community	0						
	Commercial (Office)	0						
	Commercial (Bulk Goods and	0						
	Supplies)							
	Retail	0						
	Other	0						
	Community	0						
	Industrial	0						
Yeppoon SA2 (within	Major Centre Total	7,426						
2021 Draft PIA	• @60% Retail	• 4,605						
Boundary V4)	@20% Commercial (Office)	• 2,149						
	@20% Community	• 672						
	Minor Centre Total	176						
	• @80% Retail	• 158						
	@20% Community	• 18						
	Commercial (Office)	272						
	Commercial (Bulk Goods and	1,553						
	Supplies)	007						
	Retail	367						
	Other	50 1,315						
	Community Industrial	3,345						
		3,345						
Yeppoon SA2 (outside	Major Centre Total	0						
2021 Draft PIA	• @60% Retail	• 0						
Boundary V4)	@20% Commercial (Office)	• 0						
, ,	@20% Community	• 0						
	Minor Centre Total	65						
	@80% Retail	• 58						
	@20% Community	• 7						
	Commercial (Office)	0						
	Commercial (Bulk Goods and	4						
	Supplies)							
	Retail	0						
	Other	0						
	Community	70						
	Industrial	0						
Livingstone Local	Major Centre Total	10,017						
Government Area – All	• @60% Retail	• 6,211						
SA2	@20% Commercial (Office)	• 2,899						
	@20% Community	• 907						
	Minor Centre Total	436						
	• @80% Retail	• 390						
	@20% Community	• 46						
	Commercial (Office)	331						
Column 1 Description - Projection Area	Column 2 Assumptions – Ultimate Employed Persons by Employment Type Reporting Category							
--	---	---------------------------	--	--	--	--	--	--
	Reporting Category	Ultimate Employed Persons						
	Commercial (Bulk Goods and	1,557						
	Supplies)							
	Retail	640						
	Other	170						
	Community	2,542						
	Industrial	5,144						

4.4 Development Sequencing Analysis and Assumptions

- For parcels identified in the Livingstone Shire Council PAM2021 as having capacity to accommodate urban development, assumptions were made about the likelihood of development, the timing of development, and the quantity of development over the following time intervals:
 - (a) mid-year 2026 (i.e., growth from mid-2021 to mid-2026);
 - (b) mid-year 2031 (i.e., growth from mid-2026 to mid-2031);
 - (c) mid-year 2036 (i.e., growth from mid-2031 to mid-2036); and
 - (d) mid-year 2041 (i.e., growth from mid-2036 to mid-2041).
- The development sequencing assumptions importantly enable further assumptions to be made about trunk infrastructure demand, trunk infrastructure capacity take up rates, and the likely timing when trunk infrastructure may need to be upgraded or delivered to support development on parcels with assumed capacity to accommodate development.
- The development sequencing assumptions were made with consideration given to the following:
 - Development Projections identified in Section 4.1 of this document.
 - Land Use Assumptions identified in Section 4.2 of this document.
 - Development Capacity Assumptions identified in Section 4.3 of this document.
 - Knowledge of members of Council's Growth Management team and Development Assessment team regarding development activity and development approvals.
 - Output from a Development Probability Analysis. The Development Probability Analysis involved the preparation and analysis of a scoring system which was applied to parcels in the Planning Assumption Model 2021 which were assumed to have urban development growth capacity. The scoring system considered zone allocation, whether a Local Plan existed, whether a Development Approval (MCU or ROL) applied and was current, whether a Variation Approval applied and was current, whether stages or work had commenced, whether the land was vacant, and the capacity of the parcel to yield additional development.
 - Output from a review of recent urban residential and rural residential estate development rates.

Assumptions regarding the quantity and timing of development are represented as follows:

- (1) The assumed Dwellings by different dwelling types for each projection area are represented in Table 24 Dwelling by Dwelling Type Timing Assumptions;
- (2) The assumed Employment Gross Floor Area by different employment types for each projection area are represented in Table 25 – Employment Gross Floor Area by Employment Type Timing Assumptions;
- (3) The assumed Population by different dwelling types for each projection area are represented in Table 26 - Population by Dwelling Type Timing Assumptions; and

(4) The assumed Employment Persons by different employment types for each projection area are represented in Table 27 – Employed Persons by Employment Type Timing Assumptions

Column 1 Description -	Column 2 Assumption	s – Dwellings b	v Dwelling	Type Timin	0		
Projection Area	Reporting	Existing Dwellings	2026	2031	2036	2041	Ultimate Dwellings
Emu Park SA2	Category Single	5	5	5	5	5	5
within 2021	Dwelling	5	5	5	5	5	5
Draft PIA	(Existing						
Boundary V4)	Rural)						
• •	Single	2,471	2,851	3,130	3,504	3,671	4,334
	Dwelling						
	Multiple	265	305	505	675	775	1,709
	Dwelling						
	Other	355	385	406	406	406	406
	Dwelling						
Emu Park SA2	Single	67	67	67	67	67	67
outside 2021	Dwelling	07	07	07	07	07	07
Draft PIA	(Existing						
Boundary V4)	Rural)						
· · · · · · · · · · · · · · · · · · ·	Single	43	95	95	95	257	1,715
	Dwelling						,
	Multiple	17	17	17	17	18	169
	Dwelling						
	Other	0	0	0	0	0	0
	Dwelling						
Glenlee -	Single	311	311	311	311	211	311
Rockyview	Single Dwelling	311	311	311	311	311	311
SA2 (outside	(Existing						
2021 Draft PIA	Rural)						
Boundary V4)	Single	1,235	1,405	1,549	1,689	1,839	2,653
• •	Dwelling	,		,	,		,
	Multiple	0	0	0	0	0	0
	Dwelling						
	Other	0	0	0	0	0	0
	Dwelling						
Rockhampton	Single	981	981	981	981	981	981
Region - East	Dwelling	901	901	901	901	901	901
SA2 (outside	(Existing						
2021 Draft PIA	Rural)						
Boundary V4)	Single	463	587	635	677	689	695
• •	Dwelling						
	Multiple	0	0	0	0	0	0
	Dwelling						
	Other	40	40	40	40	40	40
	Dwelling						
Rockhampton	Single	1,570	1,570	1,570	1,570	1,570	1,570
Region - North	Dwelling	1,570	1,570	1,570	1,570	1,570	1,570
SA2 (outside	(Existing						
2021 Draft PIA	Rural)						
Boundary V4)	Single	247	411	411	411	411	426
, ,	Dwelling						-
	Multiple	0	0	0	0	0	0
	Dwelling						
	Other	0	0	0	0	0	0
	Dwelling	1				1	

Table 24 - Dwellings by Dwelling Type Timing Assumptions

Column 1 Description -	Column 2 Assumptions	s – Dwellings b	y Dwelling	Type T <u>iming</u>]		
Projection Area	Reporting Category	Existing Dwellings	2026	2031	2036	2041	Ultimate Dwellings
Shoalwater Bay SA2 (outside 2021 Draft PIA	Single Dwelling (Existing Rural)	0	0	0	0	0	0
Boundary V4)	Single Dwelling	0	0	0	0	0	0
	Multiple Dwelling	0	0	0	0	0	0
	Other Dwelling	0	0	0	0	0	0
Yeppoon SA2 (within 2021 Draft PIA Boundary V4)	Single Dwelling (Existing Rural)	7	7	7	7	7	7
,	Single Dwelling	6,761	7,908	9,115	10,288	10,821	12,167
	Multiple Dwelling	1,803	2,008	2,217	2,392	2,670	5,778
	Other Dwelling	369	400	400	400	400	400
Yeppoon SA2 (outside 2021 Draft PIA Boundary V4)	Single Dwelling (Existing Rural)	185	185	185	185	185	185
	Single Dwelling	473	539	571	615	1,118	2,052
	Multiple Dwelling	16	16	16	16	25	181
	Other Dwelling	88	88	88	88	88	88
Livingstone Local Government Area – All SA2	Single Dwelling (Existing Rural)	3,126	3,126	3,126	3,126	3,126	3,126
	Single Dwelling	11,693	13,796	15,506	17,279	18,806	24,042
	Multiple Dwelling	2,101	2,346	2,755	3,100	3,488	7,837
	Other Dwelling	852	913	934	934	934	934

Table 25 – Employment Gross Floor Area by Employment Type Timing Assumptions

Column 1	Column 2 Assumptions	- Employment	Gross Floo	or Area by E	mployment	Type Timing	
Description – Projection Area	Reporting Category	Existing Gross Floor Area (m²)	2026	2031	2036	2041	Ultimate Gross Floor Area (m ²)
Emu Park SA2 (within 2021	Major Centre Total	9,042	9,042	9,042	16,542	16,542	93,669
Draft PIA Boundary V4)	• @60% Retail	5,426	5,426	5,426	9,926	9,926	56,201
	• @20% Commercia I (Office)	1,808	1,808	1,808	3,308	3,308	18,734
	• @20% Community	1,808	1,808	1,808	3,308	3,308	18,734

Column 1	Column 2						
Description – Projection Area	Assumptions Reporting Category	 Employment Existing Gross Floor Area (m²) 	Gross Floo 2026	or Area by E 2031	mployment 2036	Type Timing 2041	Ultimate Gross Floor Area (m ²)
	Minor	0	0	0	2500	2500	2500
	• @80% Retail	0	0	0	2000	2000	2000
	@20% Community	0	0	0	500	500	500
	Commercial (Office)	1,201	1,201	1,201	1,201	1,201	1,201
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	1,145	1,145	1,145	1,145	1,145	2,945
	Other	239	239	239	239	239	239
	Community	13,964	13,964	13,964	13,964	13,964	18,302
	Industrial	2,351	2,351	2,351	2,351	2,351	16,193
Emu Park SA2 (outside 2021	Major Centre Total	0	0	0	0	0	0
Draft PIA Boundary V4)	• @60% Retail	0	0	0	0	0	0
	• @20% Commercia I (Office)	0	0	0	0	0	0
	• @20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	2,500	2,500
	• @80% Retail	0	0	0	0	2,000	2,000
	@20% Community	0	0	0	0	500	5,00
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	0	0	0	0	0	0
	Other	1,022	1,022	1,022	1,022	1,022	1,022
	Community	6,561	6,561	6,561	6,561	6,561	6,561
	Industrial	548	548	548	548	548	548
Glenlee - Rockyview	Major Centre Total	0	0	0	0	0	0
SA2 (outside 2021 Draft PIA	• @60% Retail	0	0	0	0	0	0
Boundary V4)	• @20% Commercia I (Office)	0	0	0	0	0	0
	 @20% Community 	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	0
	• @80% Retail	0	0	0	0	0	0
	• @20% Community	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0

Column 1	Column 2 Assumptions – Employment Gross Floor Area by Employment Type Timing									
Description – Projection Area	Reporting Category	Existing Gross Floor Area (m ²)	2026	2031	2036	2041	Ultimate Gross Floor Area (m ²)			
	(Office)			-						
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0			
	Retail	1,231	1,231	1,231	1,231	1,231	1,231			
	Other	1,137	1,137	1,137	1,137	1,137	1,137			
	Community	50,745	50,745	50,745	50,745	50,745	50,745			
	Industrial	2,713	2,713	2,713	2,713	2,713	2,713			
Rockhampton Region - Fast	Major Centre Total	0	0	0	0	0	0			
Region - East SA2 (outside 2021 Draft PIA Boundary V4)	• @60% Retail	0	0	0	0	0	0			
	• @20% Commercia I (Office)	0	0	0	0	0	0			
	• @20% Community	0	0	0	0	0	0			
	Minor Centre Total	0	0	0	0	0	0			
	• @80% Retail	0	0	0	0	0	0			
	• @20% Community	0	0	0	0	0	0			
	Commercial (Office)	231	231	231	231	231	231			
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0			
	Retail	906	906	906	906	906	906			
	Other	1,284	1,284	1,284	1,284	1,284	1,284			
	Community	6,745	6,745	6,745	6,745	6,745	6,745			
	Industrial	13,074	13,074	13,074	13,074	13,074	101,892			
Rockhampton Region - North	Major Centre Total	0	0	0	0	0	0			
SA2 (outside 2021 Draft PIA	• @60% Retail	0	0	0	0	0	0			
Boundary V4)	@20% Commercia I (Office)	0	0	0	0	0	0			
	• @20% Community	0	0	0	0	0	0			
	Minor Centre Total	0	0	0	0	2,500	2,500			
	• @80% Retail	0	0	0	0	2,000	2,000			
	• @20% Community	0	0	0	0	500	500			
	Commercial (Office)	0	0	0	0	0	0			
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0			
	Retail	4,401	4,401	4,401	4,401	4,401	4,401			
			.,				· · · · ·			

Column 1	Column 2						
Description – Projection Area	Reporting Category	– Employment Existing Gross Floor Area (m ²)	2026	2031	2036	2041	Ultimate Gross Floor Area (m ²)
	Community	10,013	10,013	10,013	10,013	10,013	10,013
	Industrial	2,242	2,242	2,242	2,242	2,242	58,399
Shoalwater Bay SA2	Major Centre Total	0	0	0	0	0	0
(outside 2021 Draft PIA	• @60% Retail	0	0	0	0	0	0
Boundary V4)	• @20% Commercia I (Office)	0	0	0	0	0	0
	• @20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	0
	• @80% Retail	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Commercial (Office)	0	0	0	0	0	0
-	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Community	0	0	0	0	0	0
	Industrial	0	0	0	0	0	0
	1		1 -	1 -	1 -	1 -	1 -
Yeppoon SA2 (within 2021	Major Centre Total	71,684	73,357	75,357	77,357	79,357	268,589
Draft PIA Boundary V4)	• @60% Retail	43,010	44,015	45,215	46,415	47,615	161,153
	• @20% Commercia I (Office)	14,337	14,671	15,071	15,471	15,871	53,718
	• @20% Community	14,337	14,671	15,071	15,471	15,871	53,718
	Minor Centre Total	1,889	1,889	1,889	4,389	4,389	6,889
	• @80% Retail	1,511	1,511	1,511	3,511	3,511	5,511
	@20% Community	378	378	378	878	878	1378
	Commercial (Office)	7,286	7,286	9,306	7,372	7,372	6,386
	Commercial (Bulk Goods and Supplies)	20,589	20,589	20,589	27,283	27,283	77,640
	Retail	10,380	10,380	10,380	10,380	9,929	12,836
	Other	9,771	9,771	9,771	9,771	9,771	1,974
	Community	106,041	103,436	103,436	103,436	103,436	105,136
	Industrial	62,694	82,694	107,399	126,299	148,569	334,469
Yeppoon SA2 (outside 2021	Major Centre Total	0	0	0	0	0	0
Draft PIA Boundary V4)	• @60% Retail	0	0	0	0	0	0

Decorintion		 Employment 		2031			
Description – Projection Area	Reporting Category	Existing Gross Floor Area (m²)	2026	2031	2036	2041	Ultimate Gross Floor Area (m ²)
	• @20% Commercia I (Office)	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	2,500
	• @80% Retail	0	0	0	0	0	2,000
	@20% Community	0	0	0	0	0	500
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	154	154	154	154	154	154
	Retail	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Community	7,710	7,710	7,710	7,710	7,710	7,710
	Industrial	0	0	0	0	0	0
Livingstone	Major	80,726	82,399	84,399	93,899	95,899	362,258
_ocal	Centre Total						
Government Area – All SA2	• @60% Retail	48,436	49,441	50,641	56,341	57,541	217,354
Area – Ali SA2	• @20%	16,145	16,479	16,879	18,779	19,179	72,452
	Commercia I (Office)						
	Commercia	16,145	16,479	16,879	18,779	19,179	72,452
	Commercia I (Office) • @20%	16,145 1,889	16,479 1,889	16,879 1,889	18,779 6,889	19,179 11,889	72,452 16,889
	Commercia I (Office) • @20% Community Minor	1,889 1,511	1,889 1,511	1,889 1,511	6,889 5,511	11,889 9,511	16,889 13,511
	Commercia I (Office) • @ 20% Community Minor Centre Total • @ 80%	1,889	1,889	1,889	6,889	11,889	16,889
	Commercia I (Office) • @20% Community Minor Centre Total • @80% Retail • @20%	1,889 1,511	1,889 1,511	1,889 1,511	6,889 5,511	11,889 9,511	16,889 13,511
	Commercia I (Office) • @20% Community Minor Centre Total • @80% Retail • @20% Community Commercial (Office) Commercial (Bulk Goods and	1,889 1,511 378	1,889 1,511 378	1,889 1,511 378	6,889 5,511 1,378	11,889 9,511 2,378	16,889 13,511 3,378
	Commercia I (Office) • @20% Community Minor Centre Total • @80% Retail • @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies)	1,889 1,511 378 8,718 20,743	1,889 1,511 378 8,718 20,743	1,889 1,511 378 10,738 20,743	6,889 5,511 1,378 8,804 27,437	11,889 9,511 2,378 8,804 27,437	16,889 13,511 3,378 7,818 77,794
	Commercia I (Office) • @20% Community Minor Centre Total • @80% Retail • @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies) Retail	1,889 1,511 378 8,718 20,743 18,063	1,889 1,511 378 8,718 20,743 18,063	1,889 1,511 378 10,738 20,743 18,063	6,889 5,511 1,378 8,804 27,437 18,063	11,889 9,511 2,378 8,804 27,437 17,612	16,889 13,511 3,378 7,818 77,794 22,319
	Commercia I (Office) • @20% Community Minor Centre Total • @80% Retail • @20% Community Commercial (Office) Commercial (Bulk Goods and Supplies)	1,889 1,511 378 8,718 20,743	1,889 1,511 378 8,718 20,743	1,889 1,511 378 10,738 20,743	6,889 5,511 1,378 8,804 27,437	11,889 9,511 2,378 8,804 27,437	16,889 13,511 3,378 7,818 77,794

Table 26 - Population by Dwelling Type Timing Assumptions

Column 1	Column 2 Assumptions – Population by Dwelling Type Timing								
Description – Projection Area	Reporting Category	Existing Estimated Resident Persons	2026	2031	2036	2041	Ultimate Estimated Resident Persons		
Emu Park SA2 (within 2021	Single Dwelling	14	14	14	14	14	14		

Column 1	Column 2						
Description – Projection Area	Assumption Reporting Category	s – Population Existing Estimated Resident Persons	by Dwellin 2026	2031	2036	2041	Ultimate Estimated Resident Persons
Draft PIA Boundary V4)	(Existing Rural)						
,	Single Dwelling	6,672	7,698	8,451	9,461	9,912	11,702
	Multiple Dwelling	424	488	808	1,080	1,240	2,734
	Other Dwelling	568	616	650	650	650	650
Emu Park SA2 (outside 2021 Draft PIA Boundary V4)	Single Dwelling (Existing Rural)	181	181	181	181	181	181
Boundary V4)	Single	116	257	257	257	694	4,631
	Multiple Dwelling	27	27	27	27	29	270
	Other Dwelling	0	0	0	0	0	0
Clarias	Cinada	0.40	0.40	0.40	0.40	0.40	0.40
Glenlee - Rockyview SA2 (outside 2021 Draft PIA	Single Dwelling (Existing Rural)	840	840	840	840	840	840
Boundary V4)	Single Dwelling	3,335	3,794	4,182	4,560	4,965	7,163
	Multiple Dwelling	0	0	0	0	0	0
	Other Dwelling	0	0	0	0	0	0
Rockhampton Region - East SA2 (outside 2021 Draft PIA	Single Dwelling (Existing Rural)	2,649	2,649	2,649	2,649	2,649	2,649
Boundary V4)	Single Dwelling	1,250	1,585	1,715	1,828	1,860	1,877
	Multiple Dwelling	0	0	0	0	0	0
	Other Dwelling	64	64	64	64	64	64
Rockhampton	Single	4,239	4,239	4,239	4,239	4,239	4,239
Region - North SA2 (outside	Dwelling (Existing	4,239	4,239	4,239	4,239	4,239	4,239
2021 Draft PIA Boundary V4)	Rural) Single	667	1,110	1,110	1,110	1,110	1,150
	Dwelling Multiple	0	0	0	0	0	0
	Dwelling Other Dwelling	0	0	0	0	0	0
		·					•
Shoalwater Bay SA2 (outside 2021 Draft PIA Boundany V(4)	Single Dwelling (Existing	0	0	0	0	0	0
Boundary V4)	Rural) Single Dwelling	0	0	0	0	0	0

Column 1	Column 2 Assumptior	ns – Population	n by Dwellin	g Type Tim	ing		
Description – Projection Area	Reporting Category	Existing Estimated Resident Persons	2026	2031	2036	2041	Ultimate Estimated Resident Persons
	Multiple Dwelling	0	0	0	0	0	0
	Other Dwelling	0	0	0	0	0	0
Yeppoon SA2 (within 2021 Draft PIA Boundary V4)	Single Dwelling (Existing Rural)	19	19	19	19	19	19
	Single Dwelling	18,255	21,352	24,611	27,778	29,217	32,851
	Multiple Dwelling	2,885	3,213	3,547	3,827	4,272	9,245
	Other Dwelling	590	640	640	640	640	640
Yeppoon SA2 (outside 2021 Draft PIA Boundary V4)	Single Dwelling (Existing Rural)	500	500	500	500	500	500
	Single Dwelling	1,277	1,455	1,542	1,661	3,019	5,540
	Multiple Dwelling	26	26	26	26	40	290
	Other Dwelling	141	141	141	141	141	141
	-	-					
Livingstone Local Government Area – All SA2	Single Dwelling (Existing Rural)	8,440	8,440	8,440	8,440	8,440	8,440
	Single Dwelling	31,571	37,249	41,866	46,653	50,776	64,913
	Multiple Dwelling	3,362	3,754	4,408	4,960	5,581	12,539
	Other Dwelling	1,363	1,461	1,494	1,494	1,494	1,494

Column 1	Column 2 Assumptions –	Employed Pe	rsons by Empl	oyment Type 1	Timing		
Description – Projection Area	Reporting Category	Existing Employed Persons	2026	2031	2036	2041	Ultimate Employed Persons
Emu Park SA2 (within	Major Centre Total	250	250	250	457	457	2,589
2021 Draft	• @60% Retail	155	155	155	284	284	1,606
PIA Boundary V4)	• @20% Commercial (Office)	72	72	72	132	132	749
	@20% Community	23	23	23	41	41	234
	Minor Centre Total	0	0	0	63	63	63
	• @80% Retail	0	0	0	57	57	57
	@20% Community	0	0	0	6	6	6

Column 1 Description	Column 2 Assumptions – Reporting Category	Employed Pe Existing Employed	rsons by Er 2026	nployment Ty 2031	pe Timing 2036	2041	Ultimate Employed
– Projection Area	Calegory	Persons					Persons
	Commercial (Office)	48	48	48	48	48	48
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	33	33	33	33	33	84
	Other	6	6	6	6	6	6
	Community	175	175	175	175	175	229
	Industrial	24	24	24	24	24	162
Emu Park SA2 (outside	Major Centre Total	0	0	0	0	0	0
2021 Draft	@60% Retail	0	0	0	0	0	0
PIA Boundary V4)	@20% Commercial (Office)	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	63	63
	@80% Retail	0	0	0	0	57	57
	• @20% Community	0	0	0	0	6	6
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	0	0	0	0	0	0
	Other	26	26	26	26	26	26
	Community	82	82	82	82	82	82
	Industrial	5	5	5	5	5	5
Glenlee - Rockyview	Major Centre Total	0	0	0	0	0	0
SA2 (outside	• @60% Retail	0	0	0	0	0	0
2021 Draft PIA Boundary	• @20% Commercial (Office)	0	0	0	0	0	0
V4)	• @20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	0
	• @80% Retail	0	0	0	0	0	0
	• @20% Community	0	0	0	0	0	0
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	35	35	35	35	35	35
	Other	28	28	28	28	28	28
	Community	634	634	634	634	634	634
	Industrial	27	27	27	27	27	27
Rockhampto n Region -	Major Centre Total	0	0	0	0	0	0

Column 1	Column 2	_					
Description	Assumptions – Reporting	Employed Pe Existing	ersons by Er 2026	nployment Ty 2031	pe Timing 2036	2041	Ultimate
– Projection Area	Category	Employed Persons	2020	2001	2000	2041	Employed Persons
East SA2	@60% Retail	0	0	0	0	0	0
(outside 2021 Draft PIA	• @20% Commercial (Office)	0	0	0	0	0	0
Boundary V4)	@20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	0
	• @80% Retail	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Commercial (Office)	9	9	9	9	9	9
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	26	26	26	26	26	26
	Other	32	32	32	32	32	32
	Community	84	84	84	84	84	84
	Industrial	131	131	131	131	131	1,019
Rockhampto n Region -	Major Centre Total	0	0	0	0	0	0
North SA2	@60% Retail	0	0	0	0	0	0
(outside 2021 Draft PIA	@20% Commercial (Office)	0	0	0	0	0	0
Boundary V4)	@20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	63	63
	@80% Retail	0	0	0	0	57	57
	@20% Community	0	0	0	0	6	6
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	126	126	126	126	126	126
	Other	26	26	26	26	26	26
	Community Industrial	125 22	125 22	125 22	125 22	125 22	125 584
Shoalwater Bay SA2 (outside 2021 Draft PIA Boundary V4)	Major Centre Total	0	0	0	0	0	0
	@60% Retail	0	0	0	0	0	0
	@20% Commercial (Office)	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	0
	@80% Retail	0	0	0	0	0	0
	@20% Community	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0

Column 1	Column 2	Employed De	roono by Fr	maley ment Tyr	o Timing		
Description – Projection Area	Assumptions – Reporting Category	Existing Employed Persons	2026	2031	2036	2041	Ultimate Employed Persons
	(Office)						
	Commercial (Bulk Goods and Supplies)	0	0	0	0	0	0
	Retail	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Community	0	0	0	0	0	0
	Industrial	0	0	0	0	0	0
Yeppoon SA2 (within	Major Centre Total	1,766	1,808	1,857	1,906	1,956	6,619
2021 Draft	• @60% Retail	1,229	1,258	1,292	1,326	1,360	4,604
PIA Boundary V4)	• @20% Commercial (Office)	358	367	377	387	397	1,343
	@20% Community	179	183	188	193	198	671
	Minor Centre Total	48	48	48	111	111	174
	@80% Retail	43	43	43	100	100	157
	@20% Community	5	5	5	11	11	17
	Commercial (Office)	291	291	372	295	295	255
	Commercial (Bulk Goods and Supplies)	412	412	412	546	546	1,553
	Retail	297	297	297	297	284	367
	Other	244	244	244	244	244	49
	Community	1,326	1,293	1,293	1,293	1,293	1,314
	Industrial	627	827	1,074	1,263	1,486	3,345
Yeppoon	Major Centre	0	0	0	0	0	0
SA2 (outside 2021 Draft	• @60% Retail	0	0	0	0	0	0
PIA Boundary V4)	• @20% Commercial (Office)	0	0	0	0	0	0
	• @20% Community	0	0	0	0	0	0
	Minor Centre Total	0	0	0	0	0	63
	• @80% Retail	0	0	0	0	0	57
	@20% Community	0	0	0	0	0	6
	Commercial (Office)	0	0	0	0	0	0
	Commercial (Bulk Goods and Supplies)	3	3	3	3	3	3
	Retail	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Community	96	96	96	96	96	96
	Industrial	0	0	0	0	0	0
Livingstone	Major Centre	2,016	2,058	2,107	2,364	2,413	9,208
Local	Total						

Column 1	Column 2 Assumptions – Employed Persons by Employment Type Timing									
Description – Projection Area	Reporting Category	Existing Employed Persons	2026	2031	2036	2041	Ultimate Employed Persons			
Area – All	Retail									
SA2	@20% Commercia I (Office)	431	439	449	519	529	2,092			
	@20% Community	202	206	211	235	240	906			
	Minor Centre Total	48	48	48	175	301	428			
	@80% Retail	43	43	43	157	272	386			
	@20% Community	5	5	5	17	30	42			
	Commercial (Office)	349	349	430	352	352	313			
	Commercial (Bulk Goods and Supplies)	415	415	415	549	549	1,556			
	Retail	516	516	516	516	503	638			
	Other	362	362	362	362	362	167			
	Community	2,522	2,490	2,490	2,490	2,490	2,565			
	Industrial	836	1,036	1,283	1,472	1,695	5,142			

4.5 Infrastructure Analysis and Assumptions

Detail regarding the Infrastructure Analysis and Assumptions is contained in separate summary reports.

4.6 Priority Infrastructure Area Determination

The Priority Infrastructure Area is identified on the following Maps:

Map PIA-01 - Priority Infrastructure Areas Shire

Map PIA-02 - Priority Infrastructure Area Yeppoon and Surrounds

Map PIA-03 – Priority Infrastructure Area Emu Park and Surrounds

The Priority Infrastructure Area (PIA) identifies the area prioritised for the provision of trunk infrastructure to service existing and the assumed future urban development from mid-year 2021 to mid-year 2036.