



Public Parks Catchment Analysis



Public Parks Catchment Analysis LGIP2

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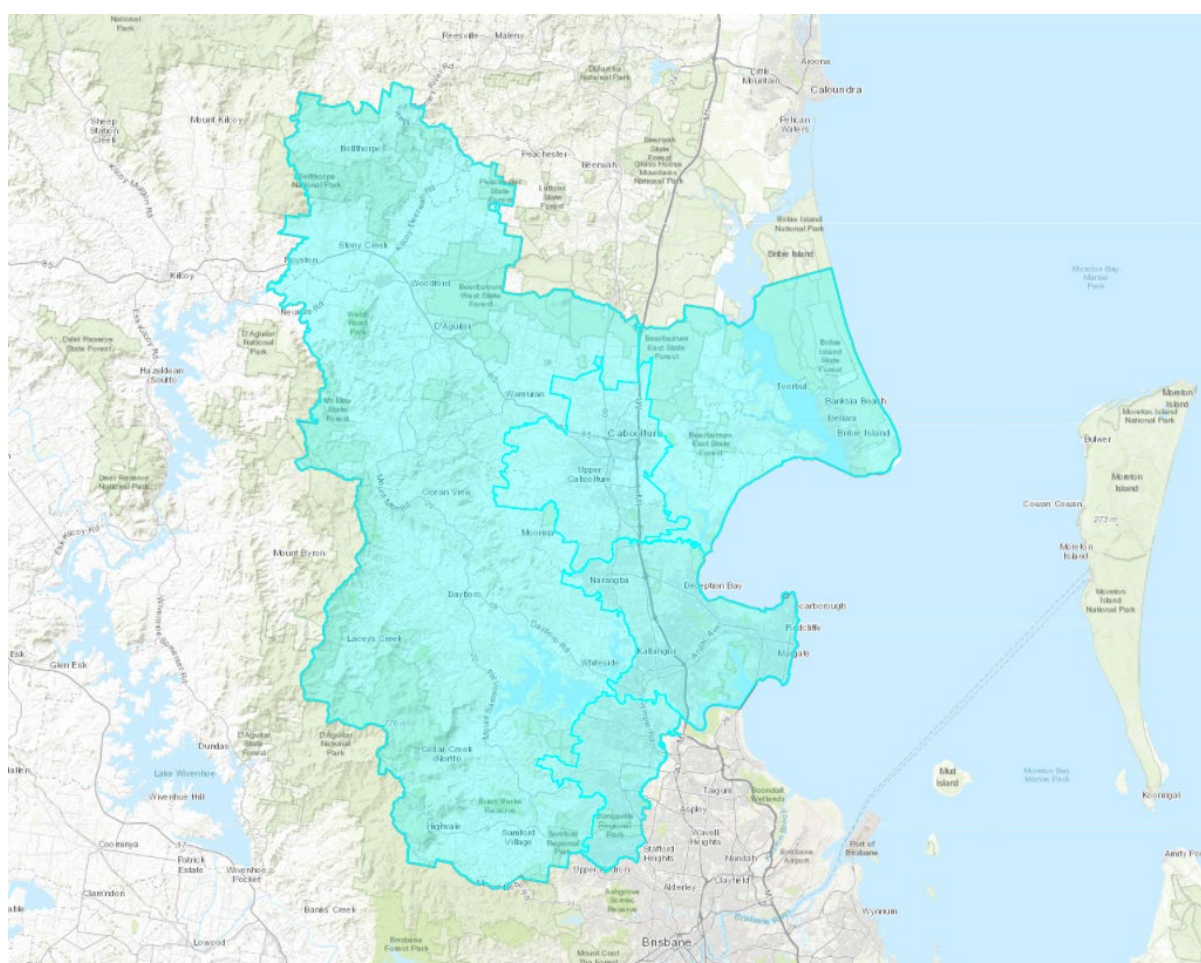
1 Regional Catchment - Regional Recreation Analysis

1.1 Profile Summary

The Moreton Bay Region regional catchment includes the entire Moreton Bay Regional Council area. The catchment is bounded by the Sunshine Coast Council area in the north, the Coral Sea and Moreton Bay in the east, Brisbane City in the south, and the Somerset Region in the west.

The Moreton Bay Region contains growing residential areas, with substantial rural, rural-residential, commercial and industrial areas. The region has a total land area of over 2,000 square kilometres, and includes mountain ranges, coastal wetlands, national parks, state forests, rural townships, coastal communities and urban centres.

Communities within the region vary considerably, from residential suburbs in the south and east to rural communities in the north and west, key activity centres at Redcliffe, Caboolture, Strathpine and North Lakes to coastal communities on the shores of Moreton Bay. The region has some of the fastest growing suburbs in Australia and new residential areas are emerging in previously rural residential communities. In some circumstances the growth has occurred so rapidly that infrastructure has failed to keep pace.



MAP 1 - MORETON BAY REGIONAL COUNCIL AREA

1.2 Regional population growth assumptions

Growth is expected to occur predominantly along the region's urban corridor, near activity centres and along existing and future rail lines. These existing and proposed places are clustered together to form neighbourhoods and districts. Some established places will remain largely unchanged in the foreseeable future, while other neighbourhoods such as those along the Moreton Bay Rail Link (MBRL) will be targeted for growth and change.

The population assumptions for the Moreton Bay Region area reflect the planning directions outlined in Council's Strategic Framework. Table 1 identifies that the Moreton Bay Region is projected to grow from 439,224 in 2016 to 614,908 in 2036, an additional 175,684 residents.

TABLE 1 - REGIONAL CATCHMENT POPULATION ASSUMPTIONS

Moreton Bay Region District Catchments	Year					
	2016	2021	2026	2031	2036	Ultimate Demand
Caboolture	78,260	91,299	103,801	119,360	130,634	240,119
Coastal Communities and Bribie Island	35,532	38,652	42,440	43,987	44,821	46,739
North Lakes - Redcliffe - Moreton Bay Rail Corridor	195,632	221,009	242,401	265,124	284,212	349,508
Rural	34,128	35,532	37,880	39,818	42,314	47,106
Strathpine	95,672	98,906	103,214	106,480	112,926	131,492
Total Region	439,224	485,398	529,736	574,770	614,908	814,966
Population growth from 2016		46,174	90,513	135,546	175,684	375,742

1.3 Current supply of Regional Recreation Parks

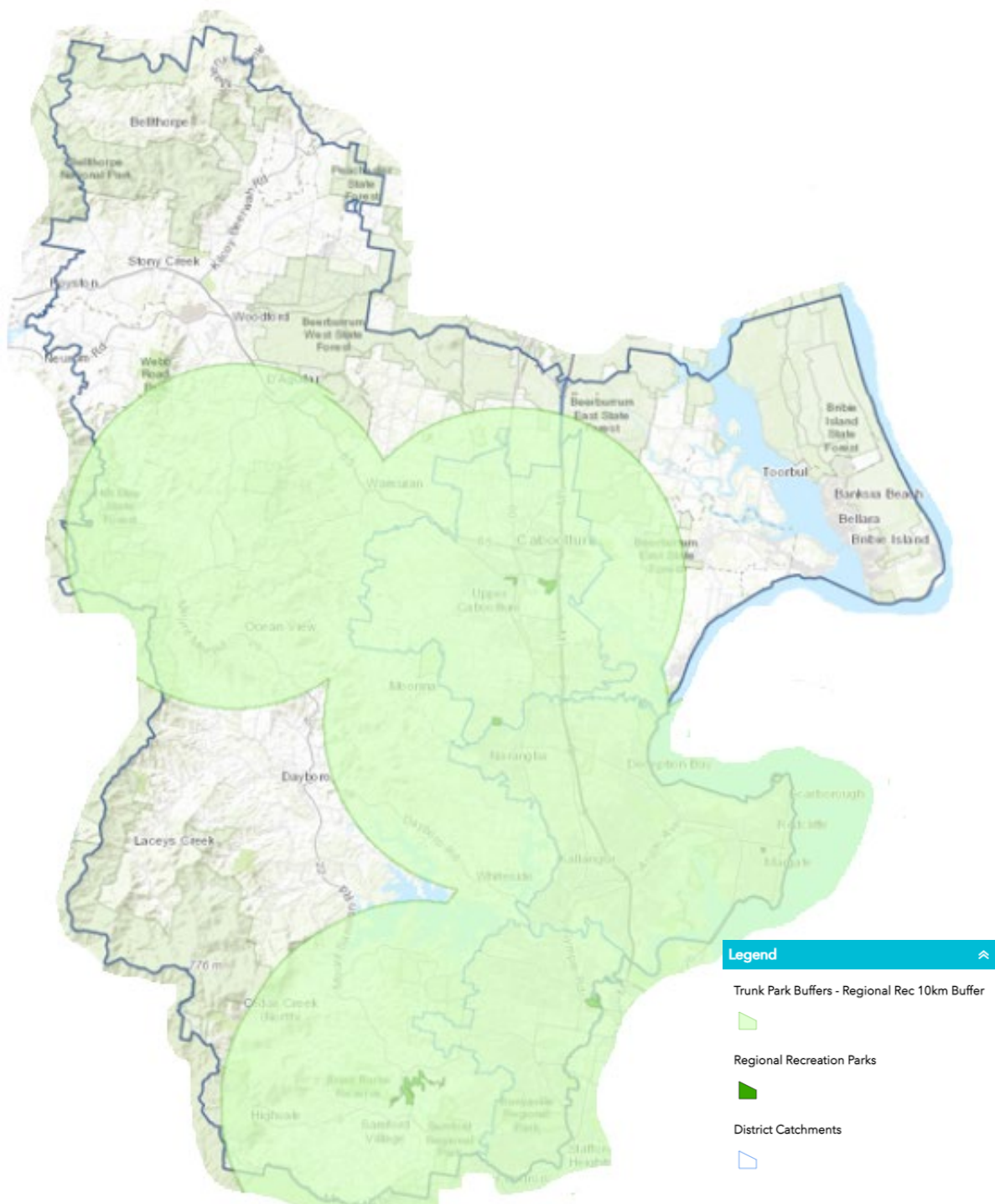
The existing supply of Regional Recreation parks across the entire region are shown in the following Table 2.

TABLE 2 - CURRENT SUPPLY OF REGIONAL RECREATION PARKS

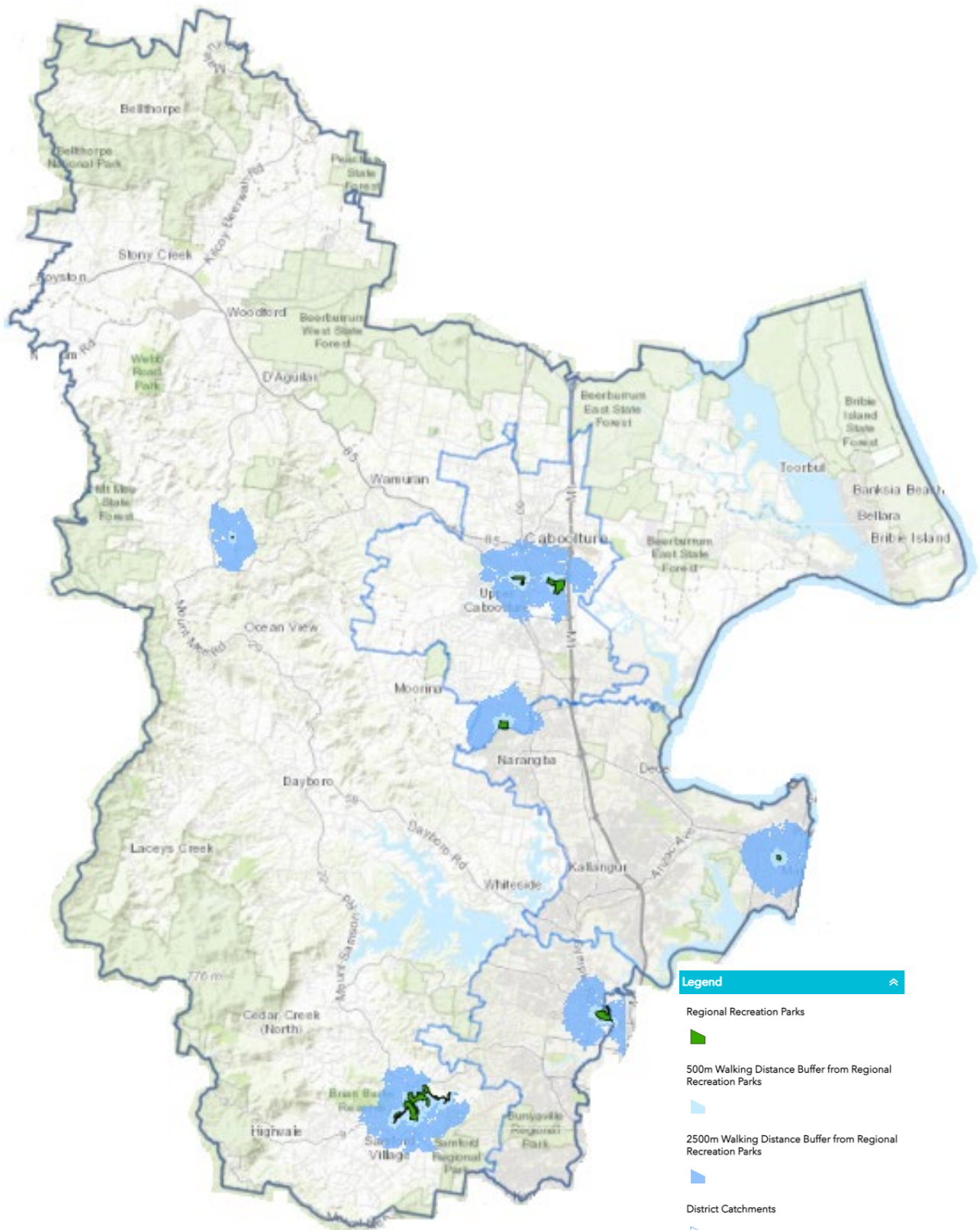
Park name	Park address	Land area (ha)
Gary Parsons Park	25 South Esplanade Bongaree	0.3
Woorim Foreshore	121 North Street Woorim	30.4
Apex Park (Woody Point)	229 Hornibrook Esplanade Woody Point	0.5
Queens Beach Park	Lot 84 Queen Street Scarborough	4.0
Bells Beach Park	176 Hornibrook Esplanade Clontarf	1.1
Scotts Point Progress Park	2 Margate Parade Margate	1.1
Margate Beach Park	2 Margate Parade Margate	1.2
Captain Cook Park	2 Prince Edward Parade Redcliffe	0.9
Gayundah Arboretum Park	Lot 2 Gayundah Esplanade Woody Point	2.3
Clontarf Beach Park	1 Angus Street Clontarf	2.7
Thurecht Park	2 Thurecht Parade Scarborough	2.3
Pelican Park	Lot 610 Hornibrook Esplanade Clontarf	7.6
Bicentennial Park	229 Hornibrook Esplanade Woody Point	2.6
Jamieson Park	Lot 638 Reef Point Esplanade Scarborough	1.1
Bill Marsh Lookout Park	1/179 Landsborough Avenue Scarborough	0.2
Scarborough Beach Park	52 Landsborough Avenue Scarborough	6.3
Crockatt Park	229 Hornibrook Esplanade Woody Point	6.0
Suttons Beach Park	Lot 1 Suttons Beach Redcliffe	2.5
Youth Park	20 Marine Parade Redcliffe	0.9
Settlement Cove Park	2 Redcliffe Parade Redcliffe	3.2
Anzac Place	160 Redcliffe Parade Redcliffe	0.6
Rotary Park	186 Redcliffe Parade Redcliffe	0.2
Endeavour Park	2 Endeavour Esplanade Newport	4.8
Bluey Piva Park	2 Rickman Parade Woorim	1.0
Edwin Schrag Park	2 First Avenue Woorim	11.3
Apex Park (Caboolture)	2 Morayfield Road Caboolture	1.4
Centenary Lakes	2 Elliott Street Caboolture	11.8
CREEC	150 Rowley Road Burpengary	18.2
Redcliffe Botanic Gardens Wallum	20 Henzell Street Redcliffe	4.1
Dahmongah (Mt Mee Lookout)	Lot 1 Mt Mee Road Mount Mee	0.3
Samford Parklands	2149 Mt Samson Road Samford Valley	122.2
Pine Rivers Park	125 Gympie Road Strathpine	35.8
Total land area (ha)		288.8

1.4 Accessibility Analysis for Regional Recreation Parks

Regional recreation parks are typically accessed via motor transport and draw from a much larger catchment. The Map 2 demonstrates the accessibility to the Regional recreation parks across MBRC for a 10km radius. Map 3 shows a walkability analysis of regional recreation parks at 500m and 2500m.



MAP 2 - ACCESSIBILITY TO REGIONAL RECREATION PARKS



MAP 3 - WALKABILITY TO REGIONAL RECREATION PARKS

1.5 Regional Catchment Analysis

The desired standards of service outline a target of 0.5 hectare of land for regional recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 3, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 1 above.

TABLE 3 - LAND PROVISION ANALYSIS REGIONAL RECREATION PARKS

MBRC - Region	Year				
Year	2016	2021	2031	2036	Ultimate
MBRC Population Assumptions	439,224	485,398	529,736	574,770	657,377
Supply to meet DSS	219.61	242.70	264.87	287.39	328.69
Supply	288	288	288	288	288
Balance	68.39	45.30	23.13	0.61	-40.69

*Year based on census periods

The provision rate established in the desired standard of service (DSS) for regional sports parks is 0.4 hectares per 1000 population. Table 4 shows the population assumptions and the calculation of supply and demand for Regional Sports parks. Calculations demonstrate a shortfall of 46.3hectares at 2036.

TABLE 4- LAND PROVISION ANALYSIS REGIONAL SPORTS PARKS

MBRC - Region	Year				
Year	2016	2021	2031	2036	Ultimate
MBRC Population Assumptions	439,224	485,398	529,736	574,770	657,377
Supply to meet DSS	175.7	194.2	211.9	229.9	245.96
Supply	183.6	183.6	183.6	183.6	183.6
Balance	7.9	-10.6	-28.3	-46.3	-62.36

1.6 Regional Recommendations for Public Park Solutions

Demand for Regional parks becomes an issue beyond the 2036 timeframe, given the large land requirement of 10ha consideration is given to the future supply needs.

Recommendations include the inclusion of existing the following existing LGIP SOW items noting the following timeframe adjustments as indicated in Table 5.

TABLE 5 - REGIONAL RECREATION PARK SOLUTIONS

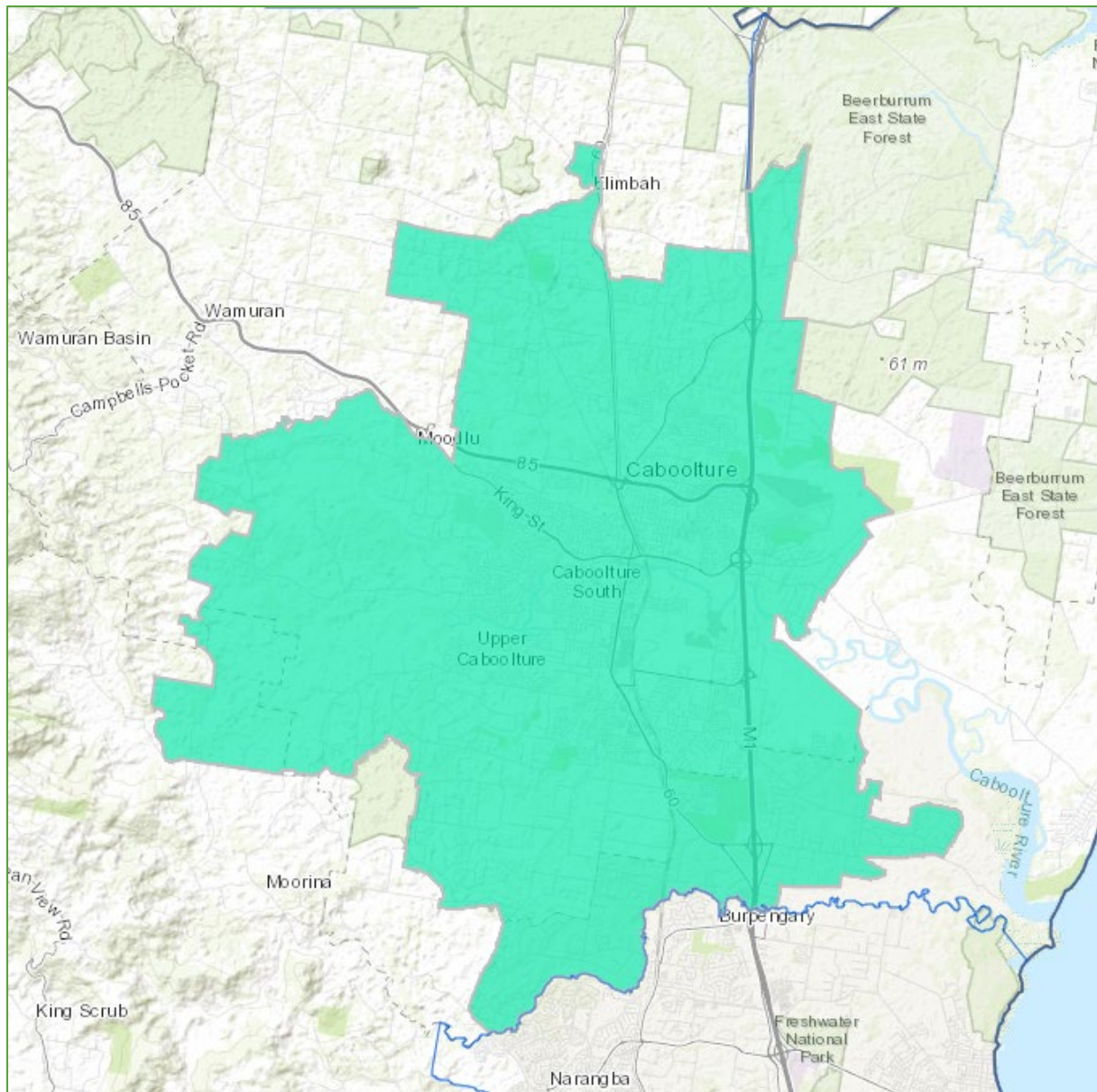
Reference	Park Name and or Location	Inclusion	LGIP1 timeframe	LGIP2 Timeframe	Additional Land Area
OS-48	CREEC, Rowley Road Burpengary	Embellishment	2019	2021-2026	
OS-37	Pine Rivers Park, Gympie Road Strathpine	Embellishment	2031	2031-2036	
OS-57	Strathpine Regional Civic, Strathpine	Embellishment	2019	2021-2026	
OS-59	Caboolture Regional Recreation, Lower King Street	Embellishment	2031	2031-2036	
OS-55	Redcliffe Civic Regional, Redcliffe	Land and Embellishment	2031	2026-2031	1.0ha
OS-38	Kurwongbah future Regional Sports Park	Land and Embellishment	2031	2031-2036	35.4ha

Solutions are based on upgrades to existing Regional Recreation parks and the addition of two civic parks (land required) and one Regional Sports park of 35.4ha.

The result is an additional 37.4ha towards the end of the LGIP timeframe of 15 years to meet most of the anticipated demand to 2036.

The embellishment and upgrades will bring the Council's Regional network up to the desired standard of service.

CABOOLTURE DISTRICT

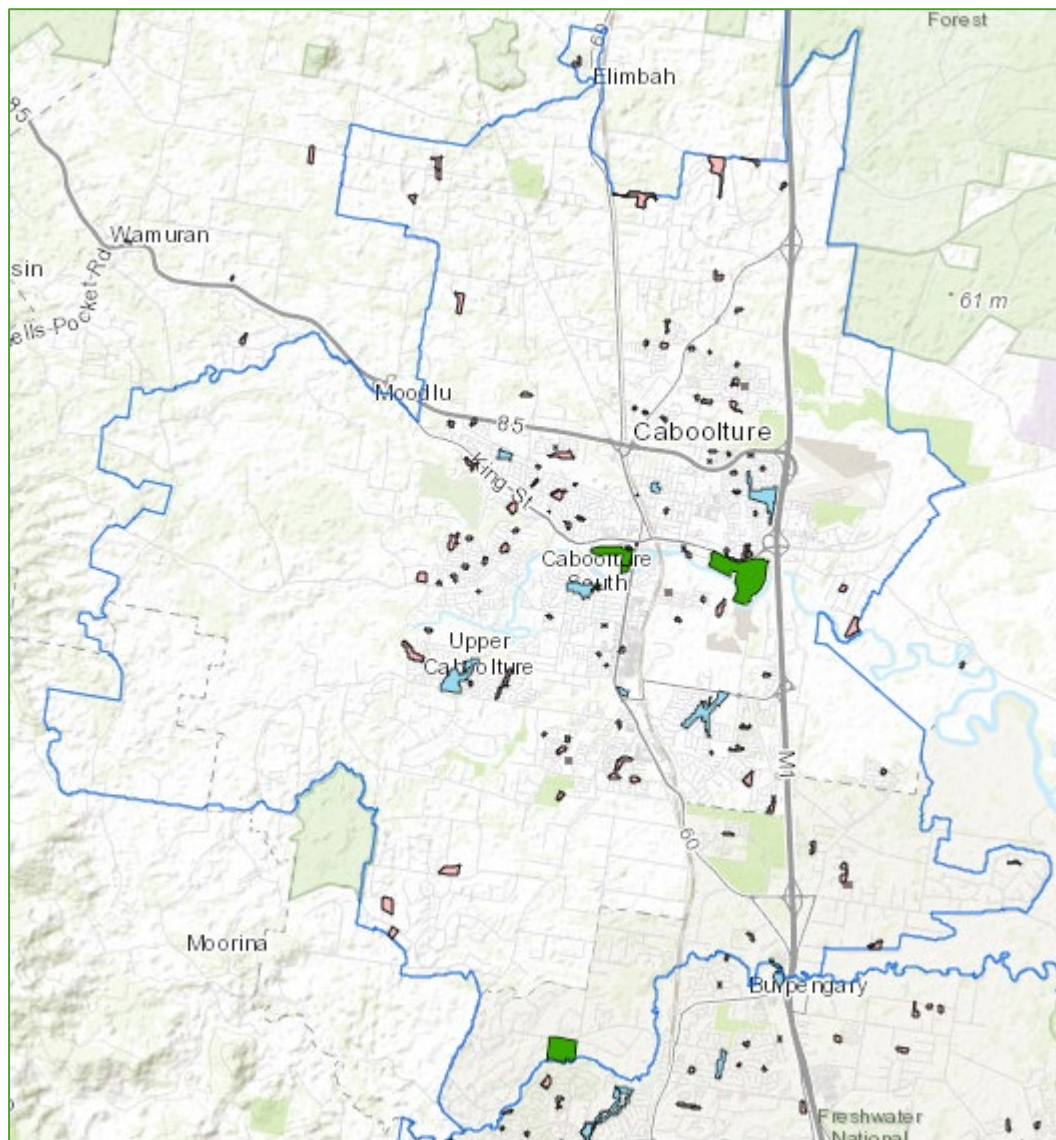


2 District Catchment - Caboolture

2.1 Caboolture District Profile Summary

The Caboolture district covers a large area, from Narangba in the south to Elimbah in the north and east to Deception Bay, all focused around the principal activity centre of Caboolture-Morayfield. The district includes a range of urban, suburban, rural and rural residential communities (see Map 4). The Caboolture district includes key industry and employment opportunities along the Bruce Highway at Narangba, Caboolture and Elimbah.

In the next 20 years considerable change will occur throughout this district as more people decide to live, work and play within proximity to the Caboolture-Morayfield Activity Centre. New residents will be accommodated in a mix of higher density living close to Morayfield, Caboolture, Burpengary and Deception Bay and in developing Next Generation residential neighbourhoods on the fringe of the urban areas.



MAP 4 - CABOOLTURE DISTRICT CATCHMENT

2.2 Caboolture District Population growth assumptions

The population assumptions for the Caboolture district reflect the planning directions outlined in Council's Strategic Framework. Table 6 identifies that from 2016 base date the Caboolture district is projected to have an additional 52,374 residents by 2036. This represents the second highest growth district in the region and 29% of the region's growth. Table 6 shows the population growth assumptions for Caboolture district over five-year periods in comparison to the total MBRC regional growth from 2016 to 2036 is 175,684 people.

TABLE 6 - CABOOLTURE DISTRICT CATCHMENT POPULATION ASSUMPTIONS

Caboolture District	2016	2021	2026	2031	2036	Ultimate
Population	78,260	91,299	103,801	119,360	130,634	240,119
Population increase in five-year period		13,039	12,502	15,559	11,274	109,485
Moreton Bay Region Total Population	439,224	485,398	529,736	574,770	614,908	814,966
Moreton Bay Region population increase over five-year period		46,174	44,338	45,034	40,138	200,058
Percentage of Moreton Bay Regional Population	18%	19%	20%	21%	21%	29%

*Based on resident population assumptions

2.3 Caboolture District Current Supply of District Recreation and Sports Parks

The existing supply of District Recreation parks within this the Caboolture catchment are shown in Table 7.

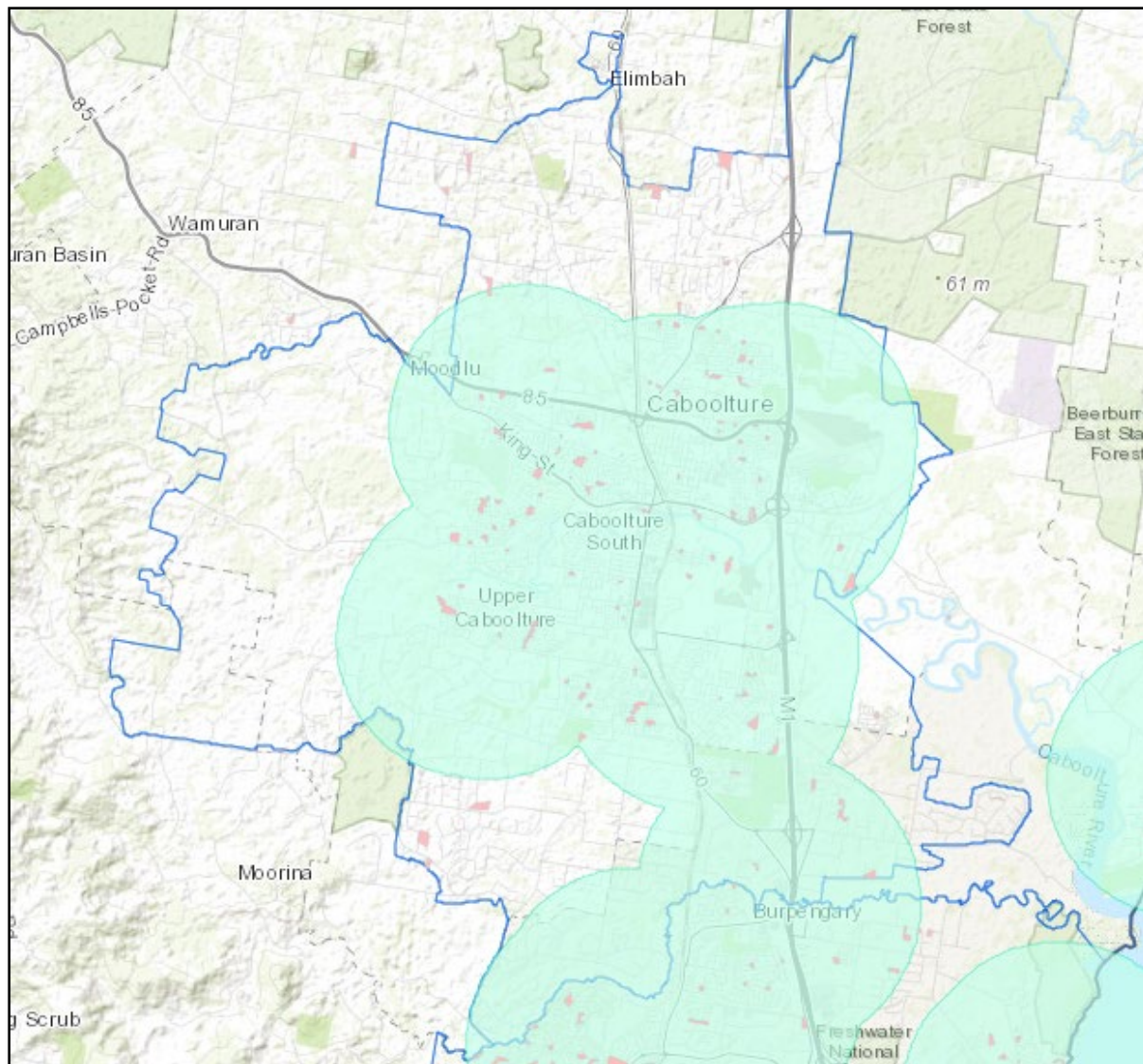
TABLE 7 - SUPPLY OF CABOOLTURE DISTRICT RECREATION PARKS

Park Name	Address	Local Catchment	Area in hectares (ha)
Bluebell Street Park	Honeysuckle Street	Central Caboolture	2.75
Brodies Park (North)	Glenwood Drive	Caboolture South Morayfield	10.76
Parkridge Estate Park	Caboolture River Road	Caboolture South Morayfield	14.49
Platypus Creek Environmental Reserve	Julie Drive	Caboolture South Morayfield	8.41
Sheepstation Creek Park	Morayfield Road	Caboolture South Morayfield	1.34
Summerfields Drive Park	Joyner Circuit	Central Caboolture	14.38
Wallace Street Park	Wallace Street North	Central Caboolture	2.00
Total Area			54.14

Note there are no district recreation parks in the Northern Caboolture catchment and this area falls outside of the 2.5km area for accessibility.

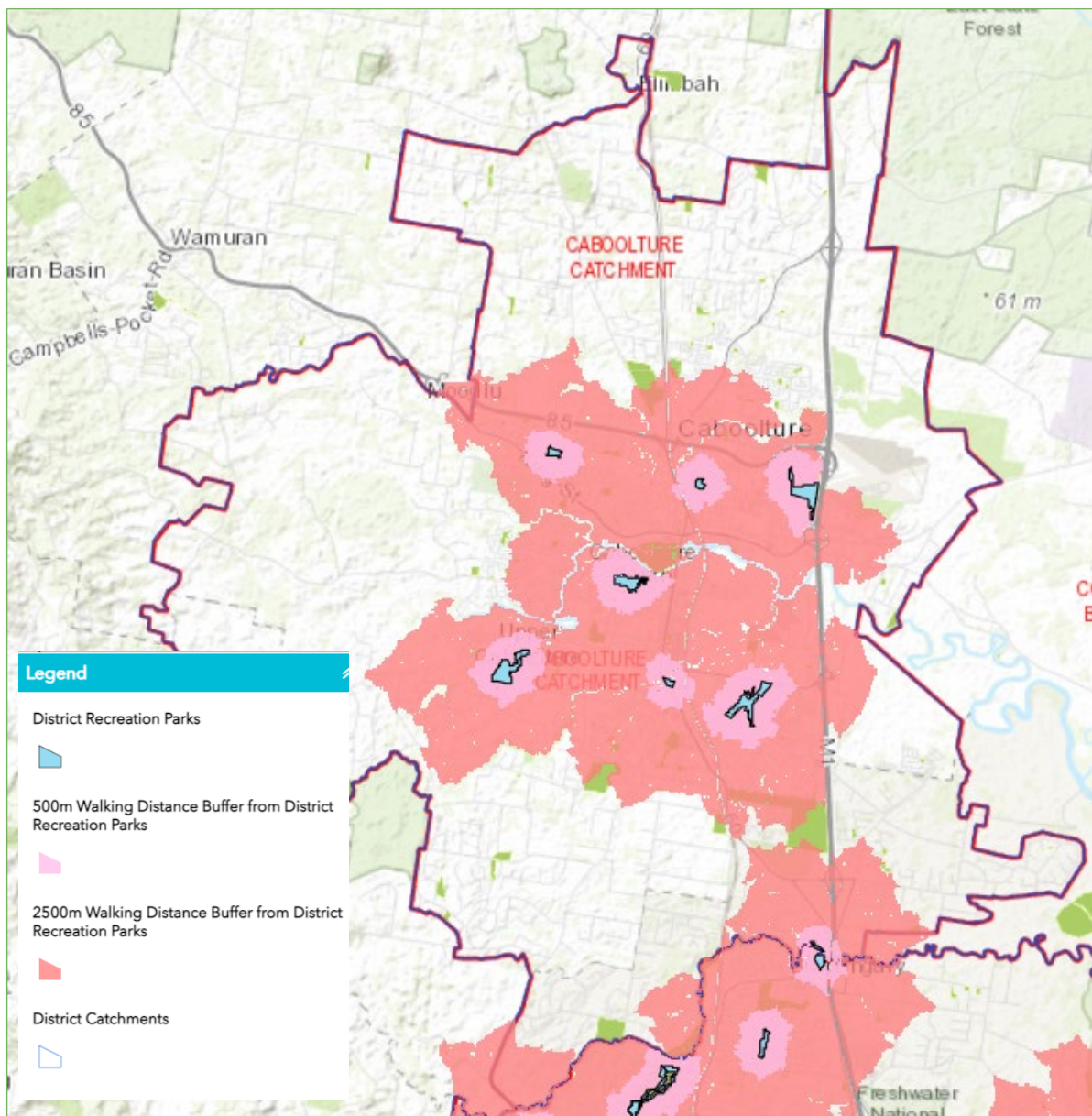
2.4 Caboolture District accessibility analysis

Map 5 identifies the areas within the 2.5km radius of the District Recreation parks. The 2.5km accessibility standard is stated in the Desired Standards of Service (DSS) for District Recreation parks and has been benchmarked to other Councils and areas in South East Queensland and beyond.



MAP 5 - CABOOLTURE DISTRICT CATCHMENT - ACCESSIBILITY ANALYSIS DISTRICT RECREATION PARKS

Map 5 demonstrates areas which are significantly disadvantaged in terms of the 2.5km radius to parks. Noting particularly areas of Caboolture North, Caboolture West and Caboolture South/Morayfield.



MAP 6 - CABOOLTURE DISTRICT RECREATION PARK ACCESSIBILITY

2.5 Caboolture district catchment analysis

The desired standards of service outlines a target of 0.6 hectare of land for district recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target for the population assumptions (Table 6), is shown in Table 8. Table 8 demonstrates a deficit in 2021 of 0.6ha increasing to a deficit of 24.24ha by 2036.

TABLE 8 - CABOOLTURE DISTRICT LAND PROVISION ANALYSIS

Caboolture District Catchment	2016	2021	2026	2031	2036	Ultimate
Population	78,260	91,299	103,801	119,360	130,634	240,119
Supply needed to meet DSS (ha)	46.96	54.78	62.28	71.62	78.38	144.07
Current supply (ha)	54.14	54.14	54.14	54.14	54.14	54.14
Excess or shortfall analysis (ha)	7.18	-0.64	-8.14	-17.48	-24.24	-89.93

Caboolture district catchment has an existing deficit around 0.64 hectares in 2021 and projected deficit to 24.24 hectares in 2036.

2.6 Caboolture District recommendations for public parks solutions

The Urban Recreation Plan identified the issue of poor accessibility and area deficiency in the district recreation parks for the Caboolture catchment. Moving on from the urban recreation plan some of the solutions like the extension of Brodies Park North and development of Park Ridge Estate have occurred through LGIP1. Others have been revised as not feasible or ineffective because of other constraints (e.g. Platypus Creek Reserve)

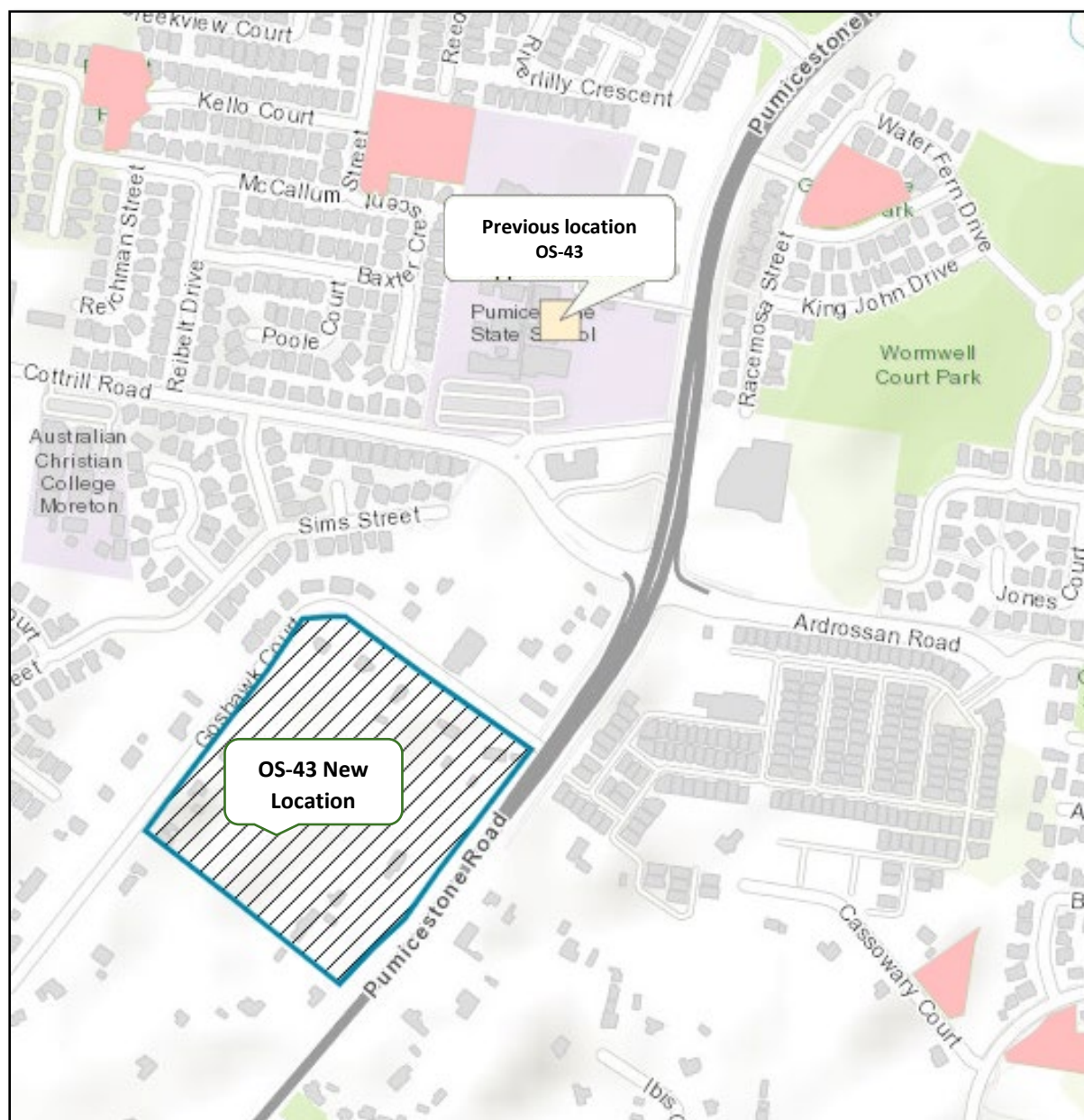
Three recommendations are made for district recreation parks in the Caboolture catchment, these are shown in Table 8. The approximate locations are shown in the Map 7, Map 8, and Map 9.

TABLE 9 - CABOOLTURE DISTRICT RECREATION SOLUTIONS TABLE

Reference	Park	Location	Type	Area in hectares
OS-43	Caboolture District Recreation	Pumicestone Road and Goshawk Court	Land (minimum 4 hectares) and Embellishment	4.00
OS-22	Caboolture South District Recreation	Waterside Esplanade	Land and embellishment (22.96 hectares)	22.96
OS-2226	Upper Caboolture - District Recreation	Riverbank Way	Upgrade to district recreation park	5.3
Total area (ha)				32.26

2.6.1 Pumicestone Road and Goshawk Court

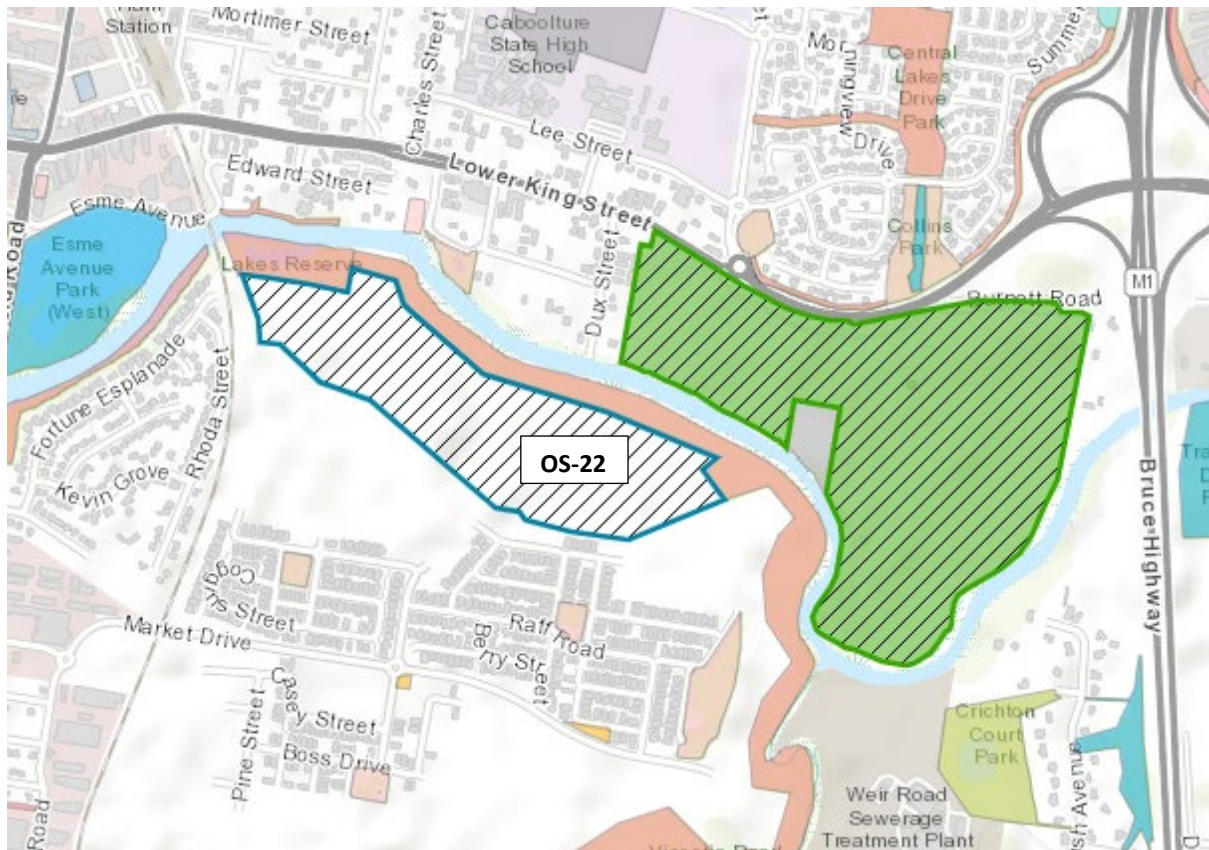
The northern portion of the Caboolture catchment is currently undergoing substantial development, set to increase in the short to medium-term. This part of the catchment has poor access to district level recreation spaces and therefore a new district recreation park is recommended adjacent Pumicestone Road (see Map 7), a district recreation park was identified in the 2017 LGIP - OS-43. This community is isolated from other district or regional level recreation opportunities and has a poor network of local level facilities. The original location (LGIP1) has moved to the south as the previous site was developed as a school. A new 4.0hectare district park (land and embellishment) is recommended, the land identified needs to be acquired and developed in the short-medium term to support the development of this community.



MAP 7 - CABOOLTURE NEW LOCATION FOR DISTRICT RECREATION PARK (OS-43)

2.6.2 Waterside Esplanade

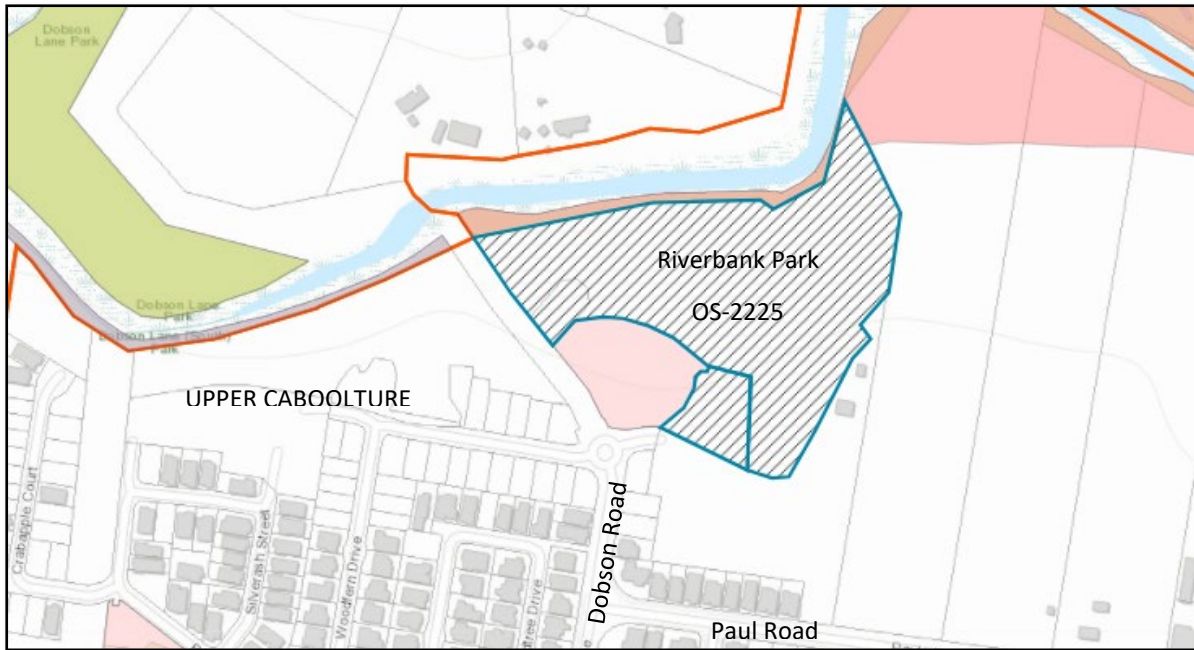
The Waterside esplanade future district park was identified in both the LGIP2017 and its predecessor the priority infrastructure plan (PIP). It is to be delivered within the context of the preliminary approval over the development area, this park will provide part of the linear park network along the riverbank and allow for embellishment to serve as a district recreation park.



MAP 8 - CABOOLTURE SOUTH LOCATION OF OS-22 DISTRICT RECREATION PARK

The continued population growth beyond 2036 will necessitate further development of district parks in future growth areas, like upper Caboolture. Map 9 shows the recommendation for an additional park at Dobson Lane. An existing local recreation park has been delivered to the west of the site and there is an area of land to be delivered as linear park along the river. This area has a deficit of embellished district recreation parks and the OS-46 upgrade to Parkridge Estate Park on Caboolture River Road previously has been investigated and is not as well suited or as cost effective as Dobson Lane Park for upgrade. Priority to shift to Dobson Lane park.

The recommendation is for addition of two lots to create a contiguous allotment and embellishment of existing parks to bring them to standard for District Recreation in the DSS.



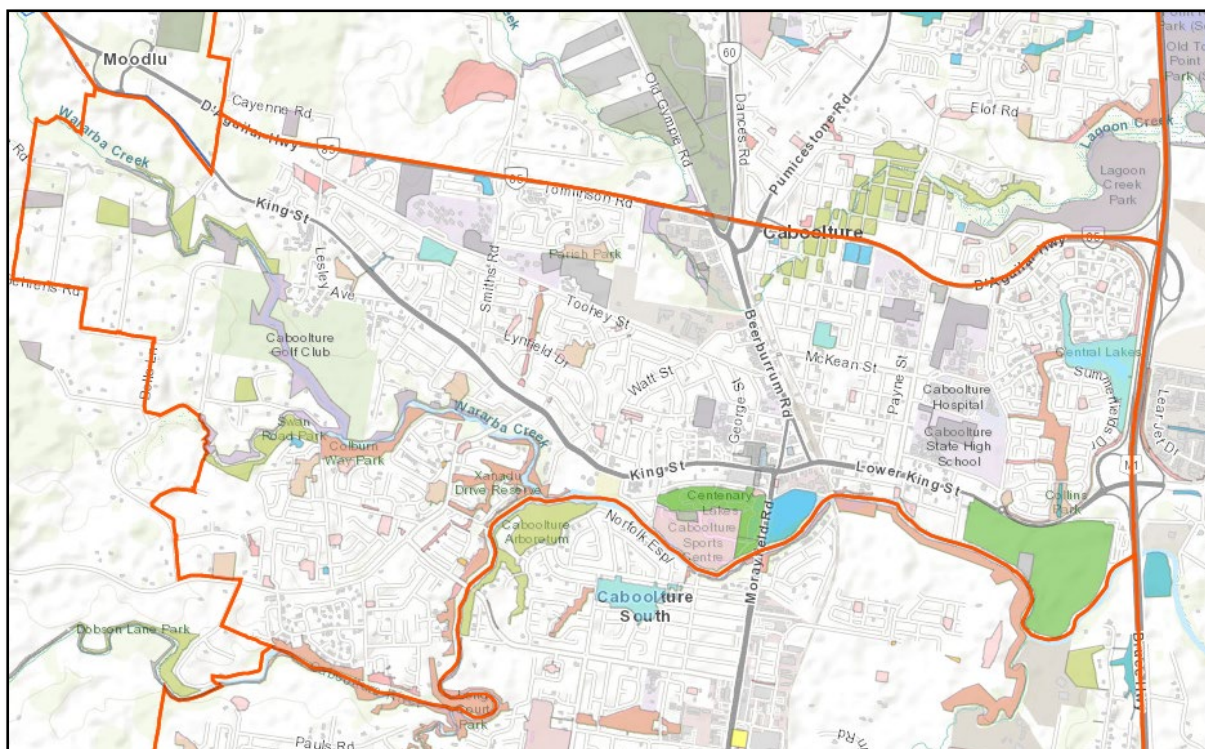
MAP 9 - CABOOLTURE SOUTH RIVERBANK PARK DOBSON LANE - UPGRADE TO DISTRICT PARK

3 Local Catchment - Caboolture Central

3.1 Caboolture Central profile summary

The Caboolture Central local area is situated between the suburbs of Caboolture North, Caboolture East, Caboolture South/Morayfield and Caboolture West. It is bordered by the Bruce Highway and connected to the train line by Caboolture Station see Map 10. The Caboolture Central local area consists of a mix of residential, commercial and industrial land uses. It is one of the main centres for employment in the Moreton Bay Region. Caboolture Central is expected to experience significant change in the future as it is within the Caboolture-Morayfield Principal Activity Centre.

Some of the major features in Caboolture Central include the Caboolture CBD, Caboolture Hub, Caboolture Park Shopping Centre, Caboolture Hospital, Caboolture Private Hospital, Brisbane North Institute of TAFE (Caboolture Campus), Queensland University of Technology (Caboolture Campus), Caboolture Sports Centre, Centenary Lakes Park, Centenary Lakes Function Centre, Old Fire Station Gallery, William G Buckle Heritage Reserve, Caboolture Golf Club and Caboolture Swimming Pool.



MAP 10 CABOOLTURE CENTRAL - LOCAL CATCHMENT BOUNDARY

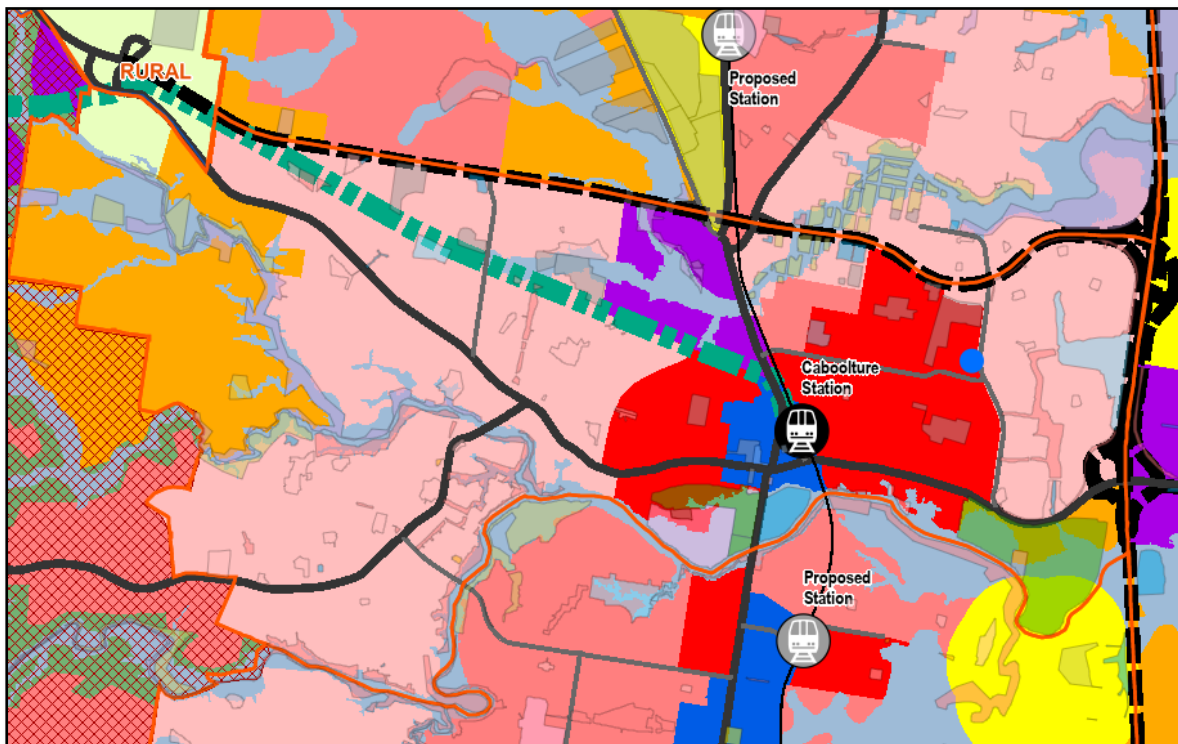
3.2 Caboolture Central population growth assumptions

The population assumptions for the local Caboolture Central catchment are shown in Table 10.

TABLE 10 CABOOLTURE CENTRAL POPULATION ASSUMPTIONS

CABOOLTURE CENTRAL	2016	2021	2026	2031	2036	Ultimate population
Population	22,346	22,583	23,345	25,229	28,432	34,487
Growth over previous 5 years	1,291	237	762	1,885	3,202	3,945
Growth over 5-year interval	6.1%	1.1%	3.4%	8.1%	12.7%	12.9%

Most of this local catchment is developed as suburban residential development. The structure plan (shown in Map 11) and zoning indicate an increased density around the business activity centre and station.



MAP 11 - STRATEGIC FRAMEWORK CABOOLTURE CENTRAL

3.3 Caboolture Central current supply of Local Recreation parks

The existing supply of local recreation parks within the Caboolture Central local catchment are listed in Table 11.

TABLE 11 - CABOOLTURE CENTRAL CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park Name	Location	Suburb	Area m ²
Lesley Avenue Park	Lesley Avenue	CABOOLTURE	13,034m ²
Connor Park	Connor Crescent	CABOOLTURE	16,490m ²
John S Mackay Place	Elliott Street	CABOOLTURE	3,016m ²
Verona Court Park	Verona Court	CABOOLTURE	1,412m ²
Bert Webster Park	Park Street	CABOOLTURE	20,552m ²
Lyndon Way Park	Daintree Street	BELLMERE	8,989m ²
Davison Street Park	Davison Street	CABOOLTURE	4,040m ²
Wilson Street Park	Lynfield Drive	CABOOLTURE	6,699m ²
Caboolture Community Garden	URE\Watt Street	CABOOLTURE	3,590m ²
Westminster Road Park	Westminster Road	BELLMERE	1,990m ²
Pardalote Place Park	Pardalote Place	BELLMERE	7,266m ²
Marlene Street Park	Marlene Street	BELLMERE	4,139m ²
Seeney Street Park	Central Lakes Drive	CABOOLTURE	4,000m ²
Watt Street Park	Watt Street	CABOOLTURE	2,899m ²
Collins Park	Summerfields Drive	CABOOLTURE	30,010m ²
Rafting Grounds Park	Edward Street	CABOOLTURE	2,560m ²
Wally Strong Park	Bellmere Road	BELLMERE	15,535m ²
Parish Park	Parish Road	CABOOLTURE	29,100m ²
Lynfield Park	Lynfield Drive	CABOOLTURE	23,426m ²
Afton Street Park	Afton Street	CABOOLTURE	1,758m ²
Bellbrook Drive Park	Almond Way	BELLMERE	27,233m ²
Bernice Street Park	Peacherine Circuit	BELLMERE	8,586m ²
Caboolture Bridge Club	Short Street	CABOOLTURE	5,558m ²
Railway Parade Park	Railway Parade	CABOOLTURE	508m ²
McKavanagh Street Park	McKavanagh Street	CABOOLTURE	3,942m ²
Jemm Court Park	Lynfield Drive	CABOOLTURE	5,674m ²
Bishop Family Park	Lang Street	CABOOLTURE	3,234m ²
Bellmere Road Park	Bellmere Road	BELLMERE	23,317m ²
Morrow Street Park	Morrow and Atfield Streets	CABOOLTURE	4,016m ²
McAndrew Street Park	McAndrew Street	CABOOLTURE	3,997m ²
Tara Grove Park	Swann Road	BELLMERE	5,515m ²
Tower Court Park	Tower Court	CABOOLTURE	653m ²
Condamine Street Park	Condamine Street	CABOOLTURE	526m ²

Park Name	Location	Suburb	Area m ²
Bryce Hausmann Park	Clementine Street	BELLMERE	3,822m ²
Weeloo Street Park	Weeloo Street	CABOOLTURE	9,618m ²
Lions Park (Caboolture)	Morayfield Road	CABOOLTURE	1,188m ²
Total supply of local recreation parks in Caboolture Central			307,894m ²

The following district parks (Table 12) are also located within the Central Caboolture catchment. They add amenity to the local catchment while supporting the broader district in terms of district parks both recreational and sports.

TABLE 12 - DISTRICT PARKS IN CENTRAL CABOOLTURE CATCHMENT

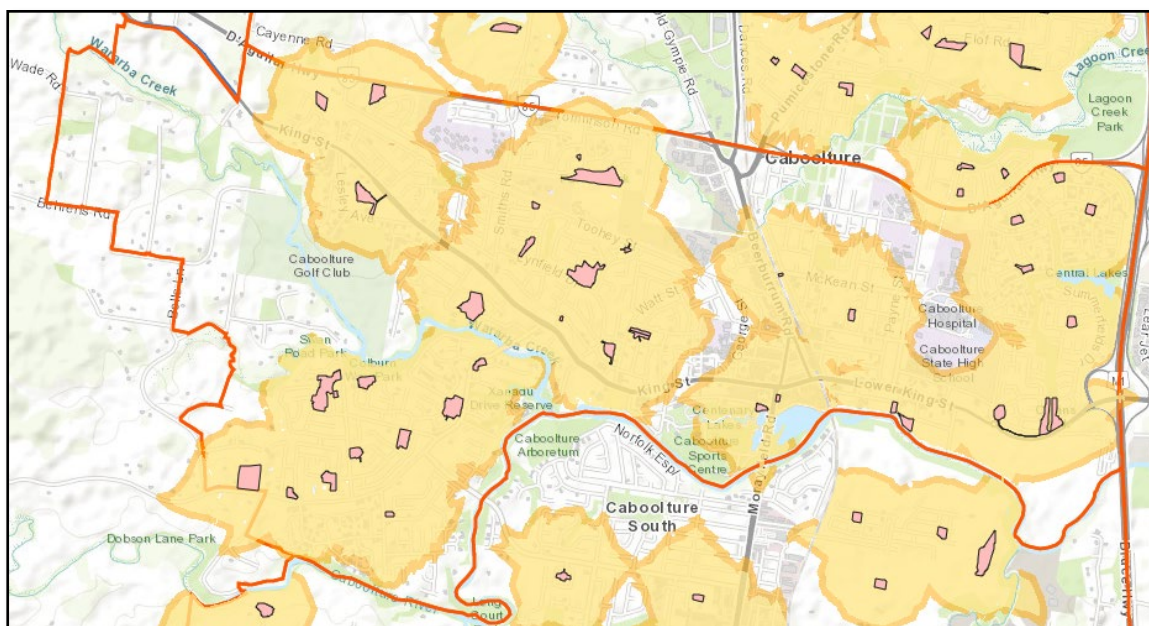
Park name	Type	Location	Suburb	Area m ²
Bluebell Street Park	District Recreation	Honeysuckle Street	Caboolture	27,499 m ²
Wallace Street Park	District Recreation	Wallace Street North	Caboolture	20,031 m ²
Summerfields Drive Park	District Recreation	Joyner Circuit	Caboolture	143,847 m ²
Caboolture Sports Complex	District Sports	Riverview Street	Caboolture	159,547 m ²

The following regional parks (Table 13) are located within the Central Caboolture catchment, further supporting this catchment in terms of amenity and access to parks.

TABLE 13 - REGIONAL RECREATION PARKS CENTRAL CABOOLTURE

Park name	Location	Suburb	Area m ²
Centenary Lakes	Elliott Street	Caboolture	117,574 m ²
94 Lower King Street, Caboolture	Lower King Street	Caboolture	432,717 m ²
Apex Park (Caboolture)	Morayfield Road	Caboolture	14,042 m ²

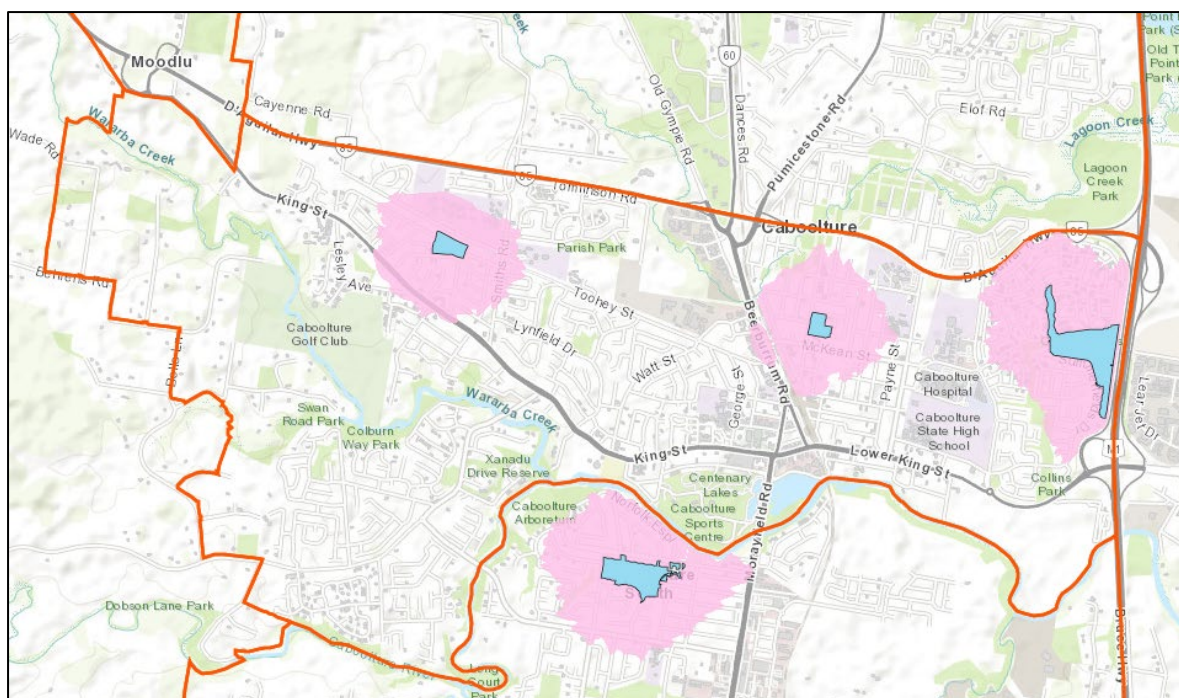
3.4 Caboolture Central accessibility analysis



MAP 12 - ACCESSIBILITY TO LOCAL PARKS CABOOLTURE CENTRAL

The accessibility layer shows walkability to local recreation parks at a range of 500m and 600m respectively. Benchmarking of south east Queensland and other Australian cities along with best practice research identified that walking is one of the most popular forms of exercise for the Australian community(ref). It further revealed that people are willing to walk (a true walkability) of between 500m and 800m to a local park (ref). A walkability analysis looking at 500m and 600m was used across the region for each local catchment to consider local accessibility to local level parks. This analysis demonstrated that where streets were relatively permeable 500m walkability is a very similar coverage to 400m radius which is the standard established in the State government guidelines. The walkability analysis highlighted the barriers which interfere with permeability and accessibility gaps within the network. The Map 12 above highlights several areas of gap in provision based on accessibility and the pattern of park coverage. Map 13 highlights the accessibility of district parks at 500m and 2500m. In some instances, District recreation parks will support the local area needs and fill in the accessibility gap.

On the eastern side of the railway the gaps in the network tend to be large institutional sites like the Hospital, Schools, and TAFE. Removing schools and areas covered by district park accessibility leaves a much smaller proportion of homes with accessibility beyond 600m walkability.



MAP 13 - ACCESSIBILITY WITH DISTRICT LAYER

3.5 Caboolture Central catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 14, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 10 above.

TABLE 14 - LAND PROVISION ANALYSIS

CABOOLTURE CENTRAL	2016	2021	2026	2031	2036	Ultimate Population
Population Projection	22,346	22,583	23,345	25,229	28,432	34,487
Demand for local recreation (ha)	22.35ha	22.58ha	23.34ha	25.23ha	28.43ha	34.49ha
Current Supply (ha)	30.8ha	30.8ha	30.8ha	30.8ha	30.8ha	30.8ha
Surplus or deficit (ha)	8.4	8.2	7.4	5.6	2.4	-3.7

3.6 Caboolture District recommendations for public park solutions

Table 15 lists the recommended items for additional parks and upgrades within the Caboolture Central Local Catchment. They include eight items:

- Two district recreation parks,
- One district sports park
- Three local recreation parks and
- One regional park

TABLE 15 - PARK RECOMMENDATIONS FOR CABOOLTURE CENTRAL LOCAL CATCHMENT

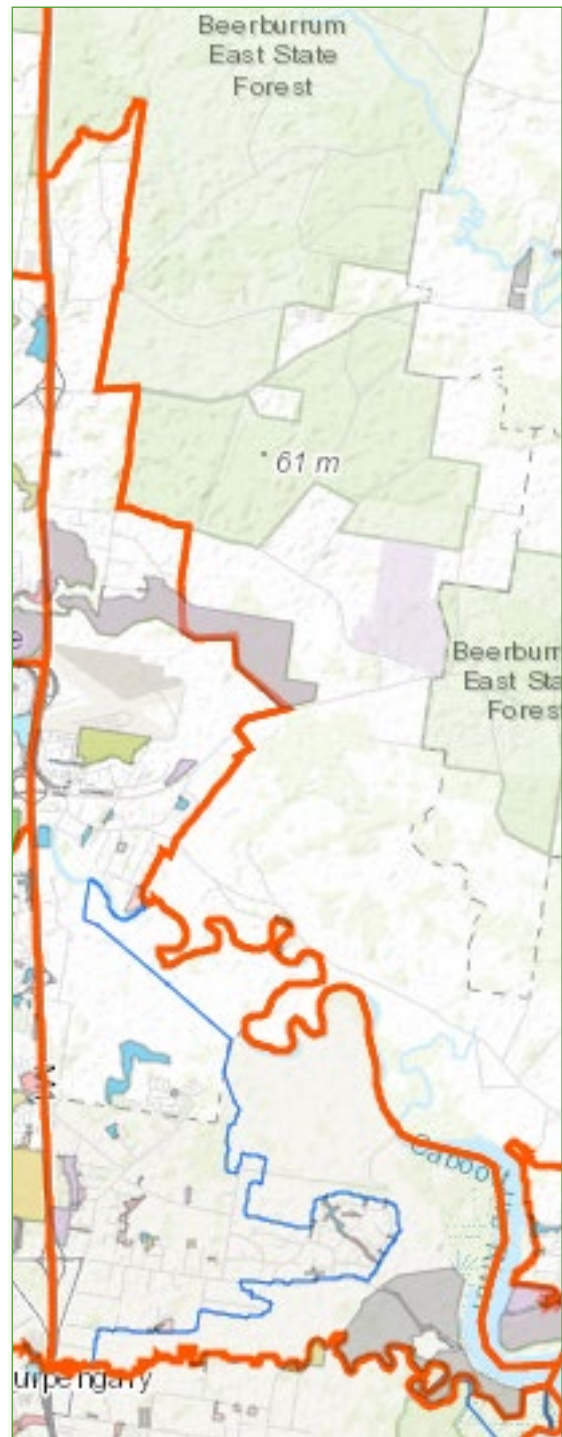
Reference no.	Park	Park Classification	Solution
OS-04	Caboolture Sports Centre	District Sports	Upgrade
OS-43	Caboolture District Recreation - Goshawk District Recreation Park	District Recreation	New land & embellishment
OS-59	94 Lower King St, Caboolture	Regional Recreation	Upgrade
OS-149	Bernice Street Park	Local Recreation	Upgrade
OS-2212	Lesley Avenue Park Extension	Local Recreation	New land & embellishment
OS-2213	Verona Court Park	Local Recreation	New land & embellishment
OS-2214	Wilson Street Park	Local Recreation	New land & embellishment
OS-2227	Caboolture District Recreation - Goshawk District Recreation Park	District Recreation	New land & embellishment

4 Local Catchment - Caboolture East - Local Recreation Analysis

4.1 Caboolture East Profile Summary

The Caboolture East local area contains the area of Caboolture, east of the Bruce Highway. The area is situated between the suburbs of Elimbah in the north, the coastal lowlands to the east, Morayfield and Beachmere to the south and Caboolture CBD and Caboolture North to the west see Map 14. More specifically the Caboolture East local area is bordered by Six Mile Creek in the north, Beerburrum East State Forest in the east, Burpengary Creek and Fountain Road in the south and the Bruce Highway in the west. The Caboolture East local area contains rural and rural residential areas as well as dispersed industrial areas.

The local area is generally rural in nature with industry and employment opportunities spread along the eastern side of the Bruce Highway. Major features of the area include Beerburrum East State Forest, the Caboolture River, Caboolture Airfield, Caboolture Indoor Sports Centre, Caboolture Warplane Museum and Tea Tree Swamp Lagoon.



MAP 14 - CABOOLTURE EAST LOCAL CATCHMENT

4.2 Caboolture East Population growth assumptions

The population assumptions for this local catchment are shown in Table 16.

TABLE 16 - CABOOLTURE EAST LOCAL CATCHMENT POPULATION ASSUMPTIONS

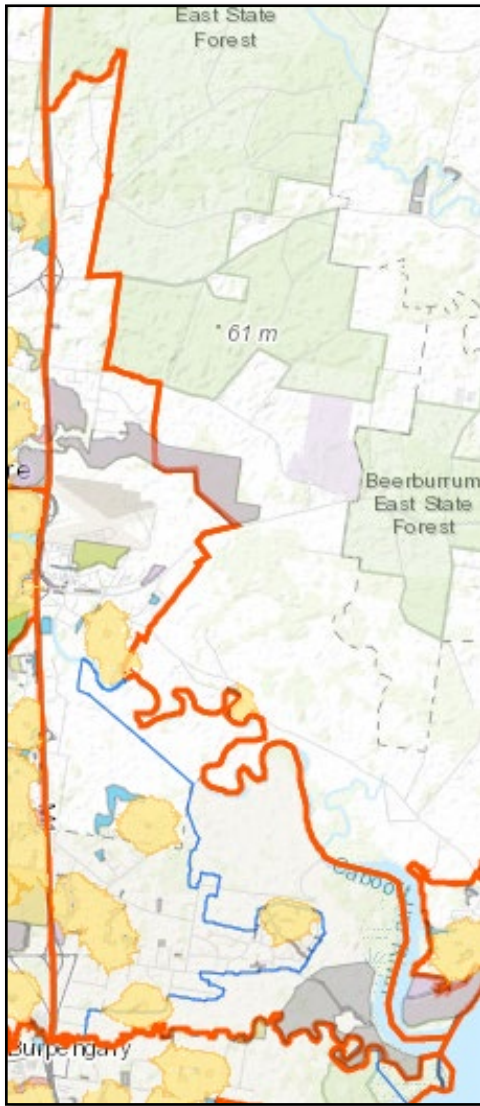
CABOOLTURE EAST	2016	2021	2026	2031	2036	Ultimate
Population	5,247	8,005	9,673	9,767	9,835	10,284
Five-year catchment growth		2759	1668	94	68	5,037 Growth from 2016

4.3 Caboolture East Current supply of Local Recreation Parks

The existing supply of local recreation parks within this local catchment are shown in Table 17.

TABLE 17 - CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park name	Park address	Land area (ha)
Van Der Meer Drive Park	1 Van Der Meer Drive Burpengary East	1.85ha
Lewins Place Park	2 Lewins Place Burpengary East	2.33ha
Montrose Court Park	17 Montrose Court Burpengary East	0.34ha
Cammack Street Park	23 Cammack Street Burpengary East	0.72ha
Lawrence Street Park	51 Lawrence Street Caboolture	4.10ha
Henry Bishop Park	18 Ann-Maree Drive Caboolture	1.06ha
Nectar Way Park	31 Nectar Way Burpengary East	8.71ha
Total land area		19.12ha



MAP 15 - ACCESSIBILITY ANALYSIS CABOOLTURE EAST

4.4 Caboolture East Accessibility analysis

The industrial and rural nature of this catchments means that there are few local recreation parks in the catchment. The continued land use pattern within the structure plan means the area is not proposed to have residential development. With this zoning no future parks are required to meet demand.

4.5 Catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 18 as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 16 above.

TABLE 18 - LAND PROVISION ANALYSIS

CABOOLTURE EAST	2016	2021	2026	2031	2036	Ultimate
Population	5,247	8,005	9,673	9,767	9,835	10,284
Demand (ha)	5.2	8.0	9.7	9.8	9.8	10.3
Supply (ha)	19.12	19.12	19.12	19.12	19.12	19.12
Balance (ha)	13.873	11.115	9.447	9.353	9.285	8.836

4.6 Recommendations for public parks solutions Caboolture East

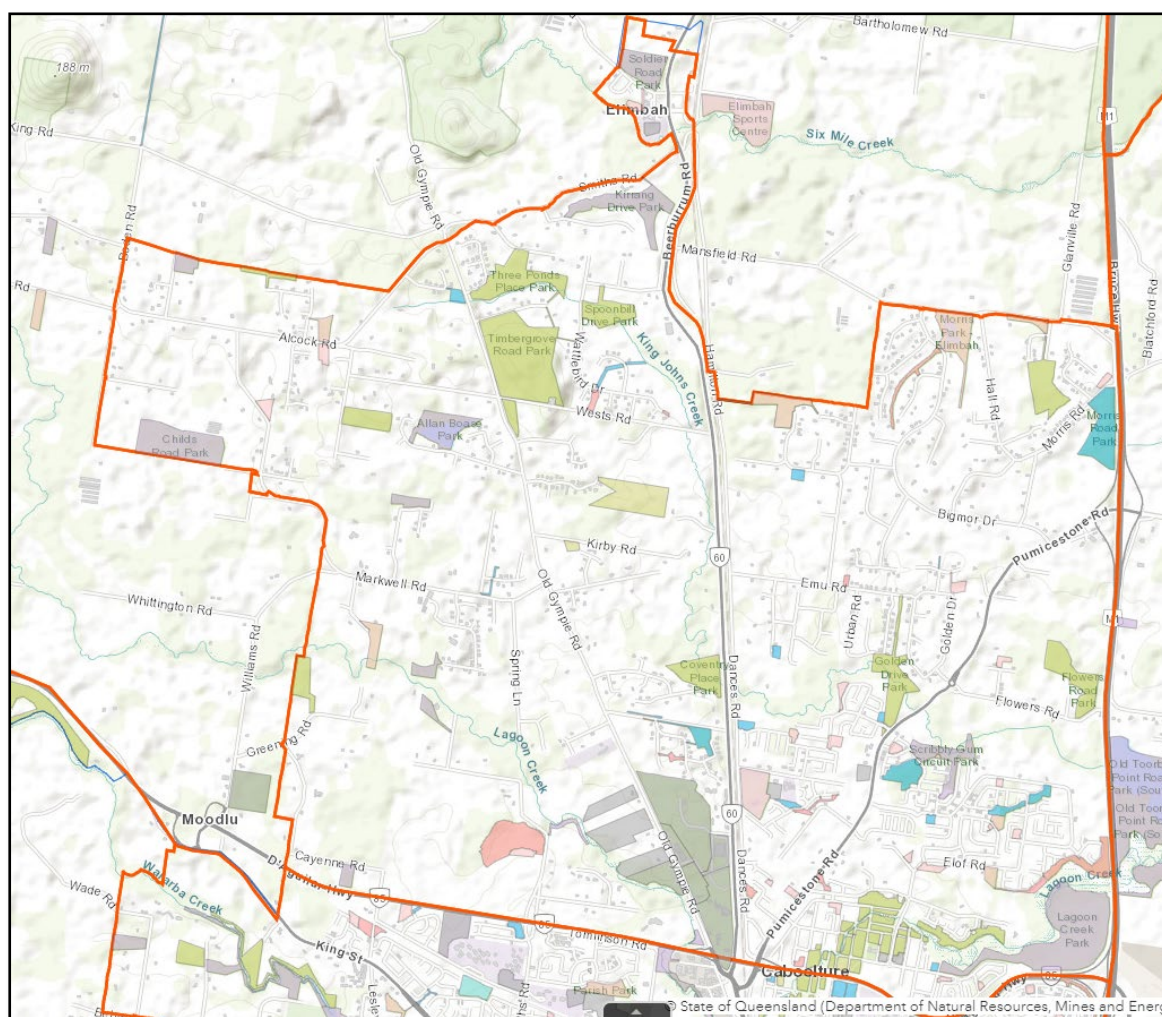
No additional public parks (LGIP items) required for Caboolture East based on current projections and analysis.

5 Local Catchment - Caboolture North - Local Recreation Analysis

5.1 Caboolture North Profile Summary

The Caboolture North local area contains parts of the localities of Caboolture West, Caboolture East and Elimbah shown in Map 17. The northern section of the local area contains rural and rural residential land uses whilst the south contains more suburban housing. The Caboolture North local area is bound by Six Mile Creek in the north, the Bruce Highway in the east, the D'Aguilar Highway in the south and the localities of Moodlu and Wamuran in the west.

Some of the major features of the area include the Caboolture Showground, Dances Road Sportsground, Alexander Barr Sporting Complex, Queensland State Equestrian Centre, Caboolture Historical Village and several schools.



MAP 16 - CABOOLTURE NORTH CATCHMENT BOUNDARY

5.2 Caboolture North population growth assumptions

The population assumptions for the Caboolture North local catchment are shown in Map 19.

TABLE 19 - LOCAL POPULATION ASSUMPTIONS - CABOOLTURE NORTH

CABOOLTURE CENTRAL	2016	2021	2026	2031	2036	Ultimate
Population	13,202	16,114	19,050	22,778	24,330	27,556
Population growth 5-year interval		2,912	2,937	3,728	1,552	14,355 2016 to Ultimate
Percentage Growth 5-year interval		22%	18%	20%	7%	109%

5.3 Caboolture North current supply of Local Recreation parks

The existing supply of local recreation parks within Caboolture North local catchment are shown in Table 20.

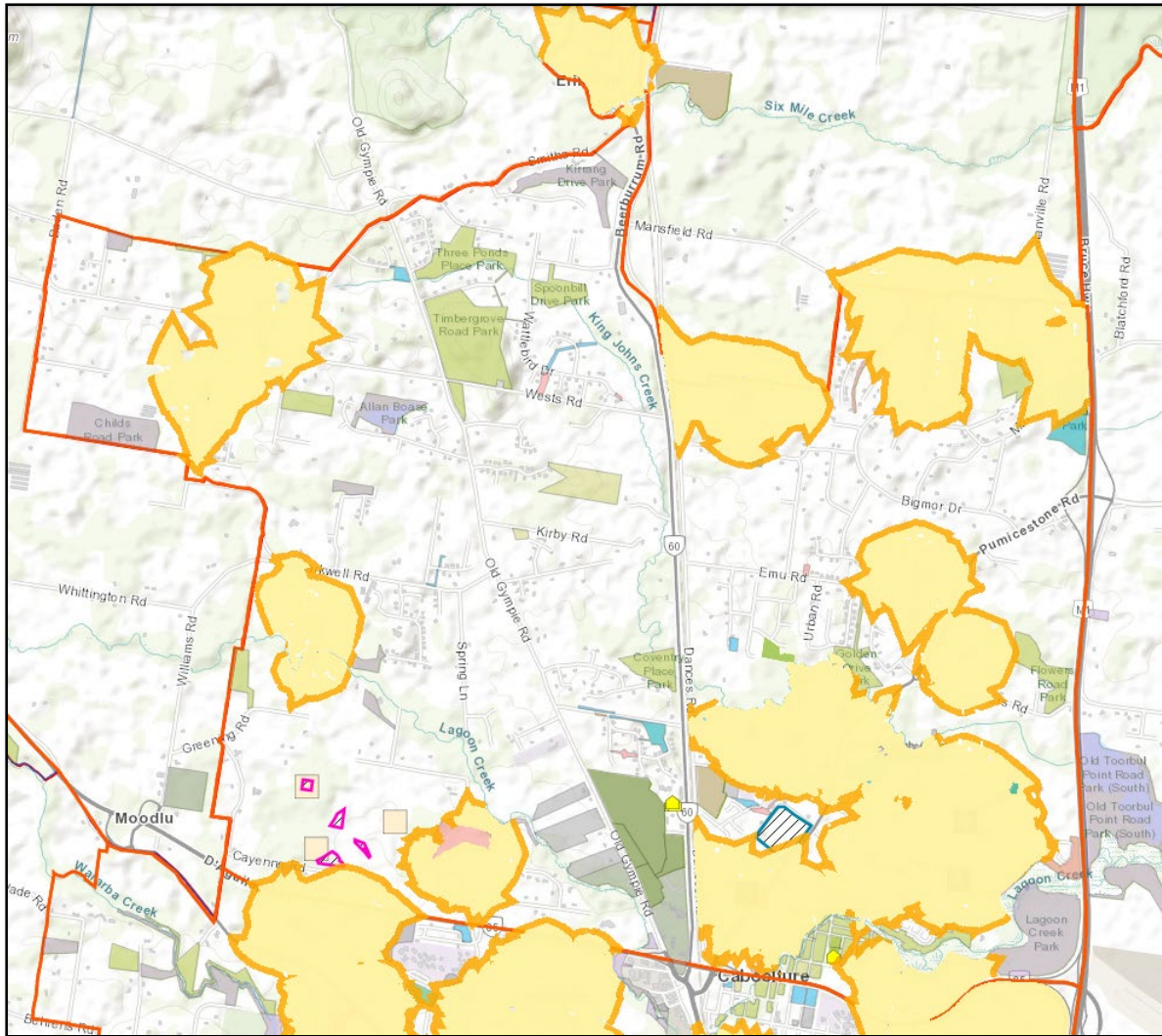
TABLE 20 - CURRENT SUPPLY OF LOCAL RECREATION PARKS WITHIN CABOOLTURE NORTH

Park	Type of Park	Address	Suburb	Area (m ²)
Cassowary Court Park	Local Recreation	Cassowary Court	CABOOLTURE	3,149m ²
Pumicestone Road Park	Local Recreation	Pumicestone Road	CABOOLTURE	3,695m ²
Wodhams Road Park	Local Recreation	Wodhams Road	CABOOLTURE	5,976m ²
Ruby Street Park	Local Recreation	McNabb Street	CABOOLTURE	5,448m ²
Markwell Road Park	Local Recreation	Markwell Road	CABOOLTURE	11,485m ²
Shaun Parade Park (North)	Local Recreation	Shaun Parade	ELIMBAH	54,239m ²
Glasshouse Street Park	Local Recreation	Glasshouse Street	CABOOLTURE	6,202m ²
Amethyst Court Park	Local Recreation	Amethyst Court	CABOOLTURE	9,485m ²
Elof Road Park	Local Recreation	Elof Road	CABOOLTURE	8,841m ²
Morris Park - Elimbah	Local Recreation	Bigmor Drive	ELIMBAH	78,162m ²
Twin View Road Park	Local Recreation	Twin View Road	ELIMBAH	9,918m ²
Alcock Road Park	Local Recreation	Alcock Road	CABOOLTURE	11,058m ²
Panorama Court Park	Local Recreation	Panorama Court	ELIMBAH	5,611m ²
Baxter Crescent Park	Local Recreation	McCallum Street	CABOOLTURE	9,287m ²
Anastasia Court Park	Local Recreation	Anastasia Court	CABOOLTURE	1,776m ²
Bluestar Circuit 2330 Park	Local Recreation	Bluestar Circuit	CABOOLTURE	2,000m ²
Bluestar Circuit Park	Local Recreation	Bluestar Circuit	CABOOLTURE	3,005m ²
Bubke Crescent Park	Local Recreation	Bubke Crescent	CABOOLTURE	28,299m ²

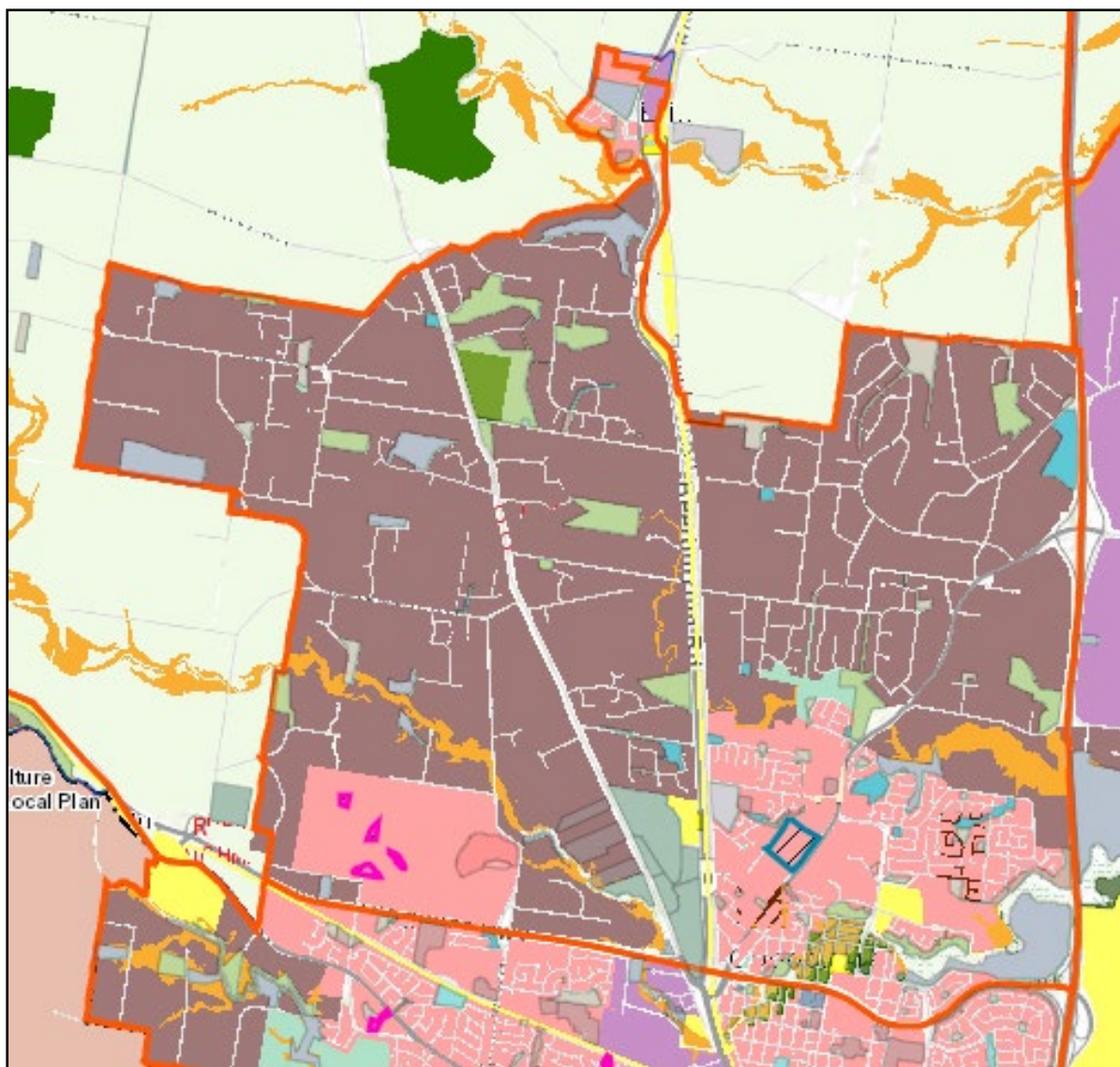
Fazey Close Park	Local Recreation	Schofield Circuit	CABOOLTURE	1,106m ²
Male Road Reserve	Local Recreation	Male Road	CABOOLTURE	3,108 m ²
Parkway Crescent Park	Local Recreation	Pumicestone Road	CABOOLTURE	7,235m ²
Elof Road Park (East)	Local Recreation	Elof Road	CABOOLTURE	1,2662m ²
Shaun Parade Park (North)	Local Recreation	Shaun Parade	ELIMBAH	54,239m ²
Scribbly Gum Circuit Park	Local Recreation	Scribbly Gum Circuit	CABOOLTURE	6,5933m ²
Reibelt Drive Park	Local Recreation	Reibelt Drive	CABOOLTURE	5,133m ²
Northfield Place Reserve	Local Recreation	Mansfield Road	ELIMBAH	13,506m ²
Blunt Street Park	Local Recreation	Elof Road	CABOOLTURE	4235m ²
Mulligan Crescent Park	Local Recreation	Mulligan Crescent	ELIMBAH	17024m ²
Total Local Recreation Parks				44.18ha

5.4 Caboolture North accessibility analysis

Map 18 shows the walkability to local recreation parks in the Caboolture North Catchment. It is noted that there are large areas within this catchment that are zoned rural residential (see Map 19). There are also several parks within the catchment that are not classified as trunk parks, like Timbergrove Road which is a natural bushland park.



MAP 17 CABOOLTURE NORTH ACCESSIBILITY ANALYSIS



MAP 18 - ZONES IN CABOOLTURE NORTH LOCAL CATCHMENT

5.5 Caboolture North catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 21, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 19 above.

TABLE 21 - LAND PROVISION ANALYSIS CABOOLTURE NORTH

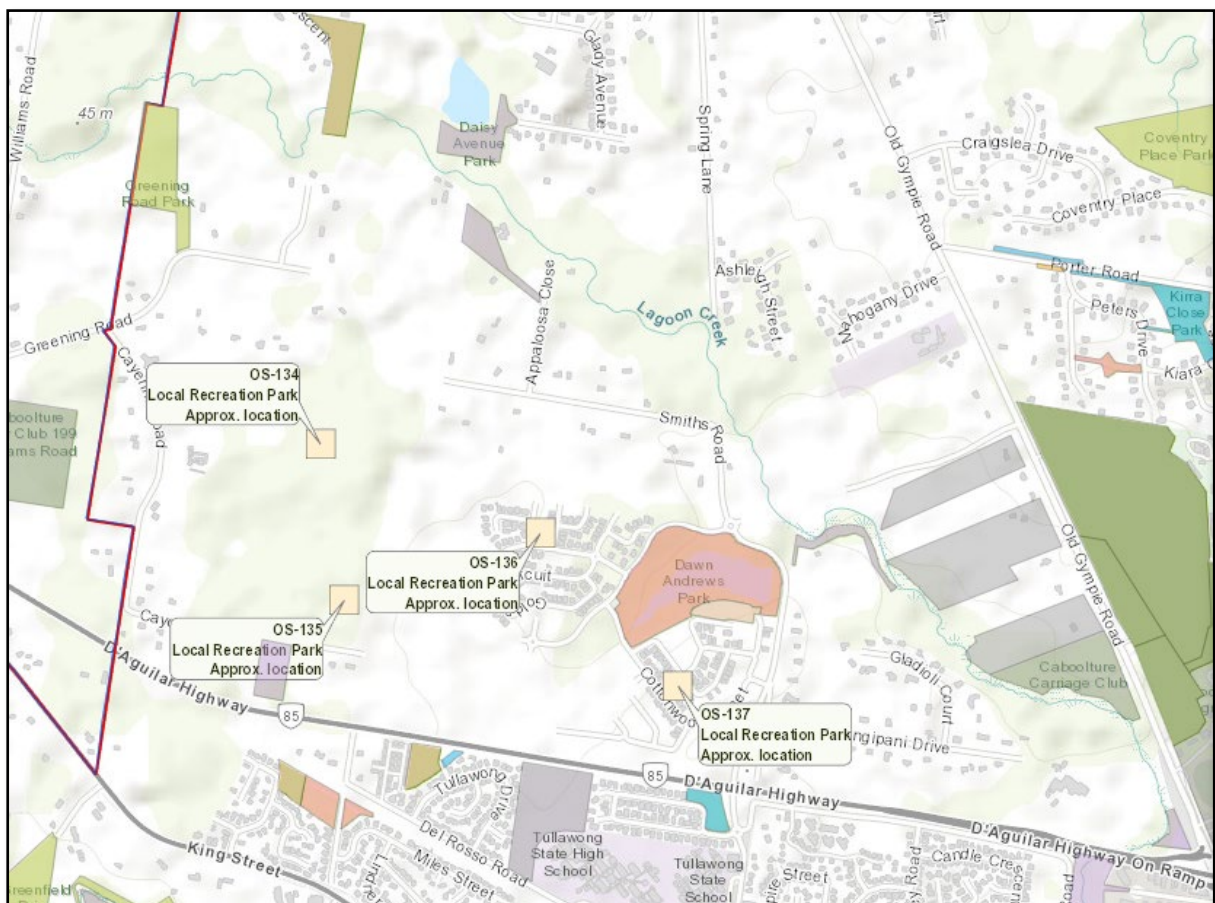
Caboolture North	2016	2021	2026	2031	2036	Ultimate
Population	13,202	16,114	19,050	22,778	24,330	27,556
Area of local recreation parks (ha)	11.33ha	11.33ha	11.33ha	11.33ha	11.33ha	11.33ha
Demand for Local recreation (ha)	13.2ha	16.1ha	19.1ha	22.8ha	24.3ha	27.6ha
Balance of supply (ha)	-1.9ha	-4.8ha	-7.7ha	-11.5ha	-13.0ha	-16.2ha

5.6 Caboolture North - Recommendations for public parks solutions

Table 22 lists the proposed solutions for the Caboolture North catchment illustrated in Map 20 it is noted that LGIP2017 project OS -127 has been delivered with Dawn Andrews park which serves a stormwater retention function and local recreation on the southern side.

TABLE 22 - CABOOLTURE NORTH - RECOMMENDATIONS FOR PUBLIC PARKS

Reference	Location	Type	Solution
OS-128	Upper Caboolture Local Recreation	Local Park	New Land & Embellishments
OS-134	Caboolture Local Recreation	Local Park	New Land & Embellishments
OS-135	Caboolture Local Recreation	Local Park	New Land & Embellishments



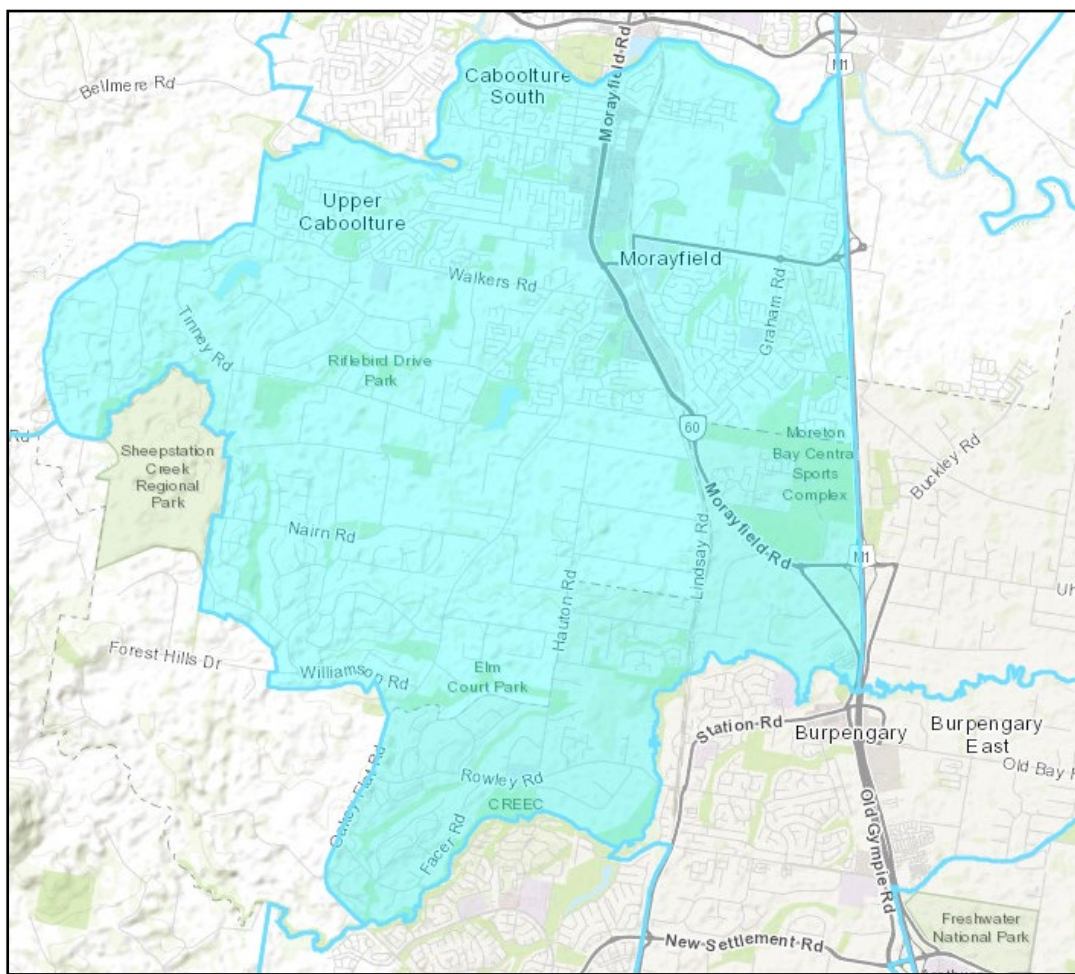
MAP 19 - RECOMMENDATIONS FOR PARKS IN CABOOLTURE NORTH

6 Local Catchment - Caboolture South / Morayfield - Local Recreation Analysis

6.1 Caboolture South - Morayfield Profile Summary

The Caboolture South - Morayfield local area includes the suburbs of Caboolture South and Morayfield and parts of Burpengary and Upper Caboolture, see Map 21. The local area is predominantly mixed use including residential, commercial and industrial land uses as well as rural areas. The Caboolture South - Morayfield local area is bordered by Caboolture River in the north, the Bruce Highway in the east, Burpengary Creek in the south and Caboolture River Road in the west.

The local area includes a range of land uses focused around the region's Principal Activity Centre. Some of the major features in the local area include the Market Plaza Shopping Centre, Morayfield Shopping Centre, Caboolture Botanic Gardens, Platypus Creek Environmental Park, Grant Road Sports Complex, Caboolture Cougars Hockey Club, Caboolture Rugby Union Club as well as several shopping centres and schools.



MAP 20 - LOCAL CATCHMENT CABOOLTURE SOUTH - MORAYFIELD

6.2 Caboolture South - Morayfield Population growth assumptions

The population assumptions for this local catchment are shown in Table 23 - Local Catchment Population Assumptions.

TABLE 23 - CABOOLTURE SOUTH - MORAYFIELD LOCAL CATCHMENT POPULATION ASSUMPTIONS

CABOOLTURE SOUTH / MORAYFIELD	2016	2021	2026	2031	2036	Ultimate
Population	36,568	43,763	50,697	55,440	59,236	97,448
Population growth over 5-year period	3,503	7,196	6,934	4,743	3,796	60,881
% growth over 5-year period		2016-2021 20%	2021-2026 16%	2026-2031 9%	2031-2036 7%	Total growth from 2016 to ultimate 166.5%

6.3 Caboolture South - Morayfield current supply of Local Recreation parks

The existing supply of local recreation parks within this local catchment are shown in Table 24 .

TABLE 24 - CABOOLTURE SOUTH MORAYFIELD - CURRENT LOCAL RECREATION PARKS

Park Name	Type of Park	Address	Suburb	Area m2
Dickson Park	Local Civic	Morayfield Road	CAB- SOUTH	10832.61
Riverbend Crescent Park	Local Recreation	Riverbend Crescent	MORAYFIELD	6292.8
CT & LM Williams Park	Local Recreation	Morayfield Road	MORAYFIELD	7020.2
Lakeview Road Park	Local Recreation	Lakeview Road	MORAYFIELD	8073.2
Macaranga Street Park	Local Recreation	Graham Road	MORAYFIELD	8558.8
Boss Drive Park	Local Recreation	Boss Drive	CAB-SOUTH	4939.6
Grogan Road Park	Local Recreation	Grogan Road	MORAYFIELD	23400.8
Harvey Court Park	Local Recreation	Harvey Court	MORAYFIELD	23837.5
Excelsior Park	Local Recreation	Ward Drive	MORAYFIELD	44221.7
Williamson Road Park	Local Recreation	Williamson Road	MORAYFIELD	16003.5
Rainforest Park	Local Recreation	Caboolture River Road	MORAYFIELD	3007.5
Seebohm Street Park	Local Recreation	Seebohm Street	BURPENGARY	5064.7
Hargrave Street Park	Local Recreation	Hargrave Street	MORAYFIELD	991.9
Grigg Drive BMX Park	Local Recreation	Grigg Drive	MORAYFIELD	2549.7
Dularcha Street Park	Local Recreation	Dularcha Street	CAB-SOUTH	4083.0
Barossa Crescent Park	Local Recreation	Torrens Road	CAB-SOUTH	2798.1

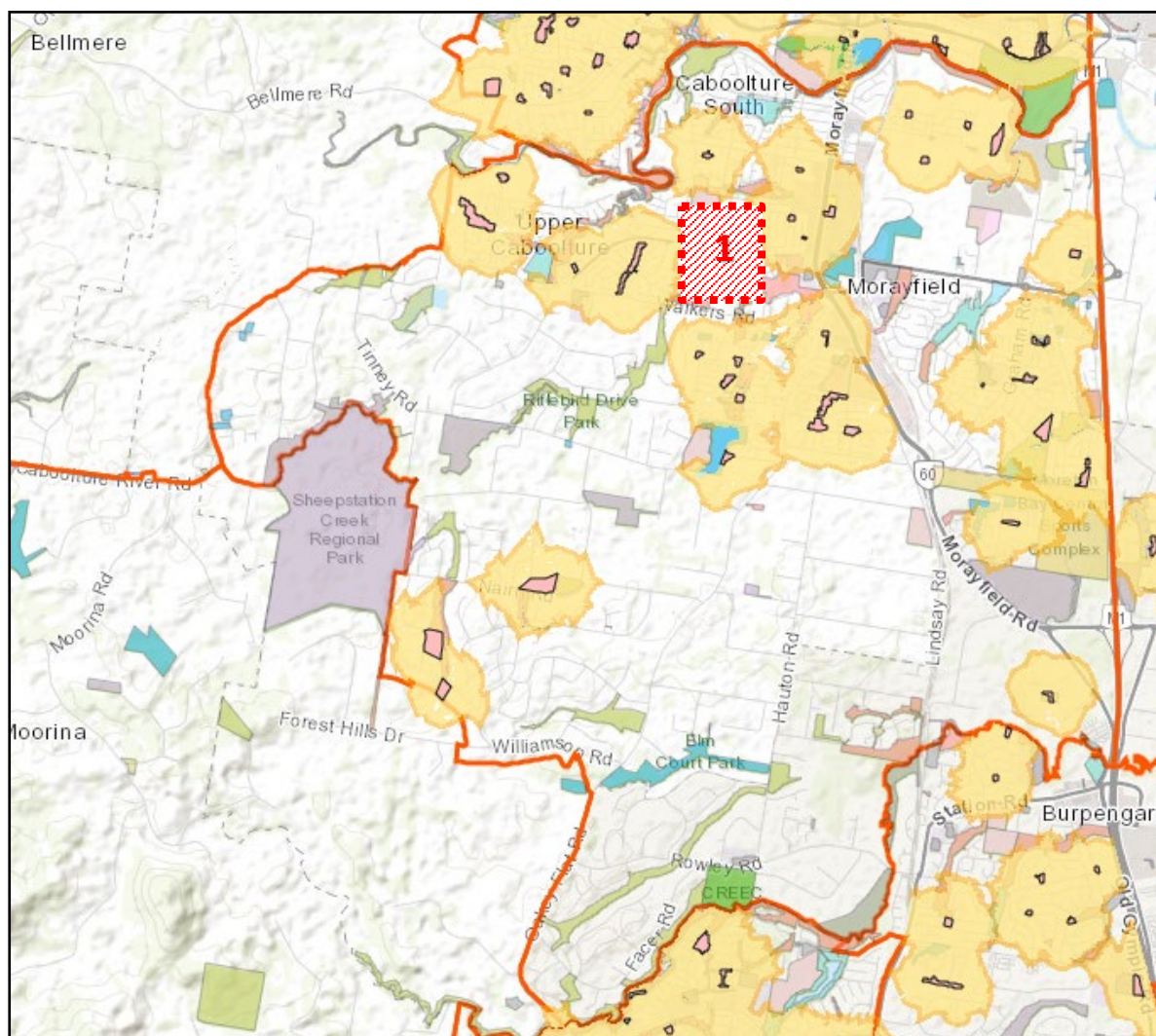
Park Name	Type of Park	Address	Suburb	Area m2
Mark Street Park	Local Recreation	Mark Street	MORAYFIELD	713.6
Complex - Kenneth Street Park	Local Recreation	Kenneth Street	MORAYFIELD	3034.4
Willowleaf Circuit Park	Local Recreation	Riverparks Way	UPPER CAB	41994.1
R H Reynolds Park	Local Recreation	Crestbrook Drive	MORAYFIELD	29036.2
Turnbull Crescent Park	Local Recreation	Turnbull Crescent	MORAYFIELD	12787.3
Complex - Manning Court Park	Local Recreation	Eeles Drive	MORAYFIELD	25032.9
Adelong Court Park	Local Recreation	Adelong Court	MORAYFIELD	44622.2
Creekwood Place Park	Local Recreation	Petersen Road	MORAYFIELD	3588.4
Coogera Court Park	Local Recreation	Yew Street	MORAYFIELD	3312.2
Braheem Street Park	Local Recreation	Braheem Street	MORAYFIELD	10577.5
Woodsy Court Park	Local Recreation	Petersen Road	MORAYFIELD	5245.2
Woodrose Road Park	Local Recreation	Woodrose Road	MORAYFIELD	3382.9
Jenny Fourez Park	Local Recreation	Walkers Road	MORAYFIELD	4816.9
Renmark Crescent Park	Local Recreation	Renmark Crescent	CABOOLTURE SOUTH	4019.9
Trinity Way Park	Local Recreation	Woodrose Road	MORAYFIELD	10547.0
Sheepstation Creek Park	Local Recreation	Morayfield Road	MORAYFIELD	74779.3
Crowe Road Park	Local Recreation	Crowe Road	MORAYFIELD	14921.8
Sunreef Street Park	Local Recreation	Sunreef Street	BURPENGARY	5132.2
Beech Drive Park	Local Recreation	Beech Drive	MORAYFIELD	5578.6
Lindsay Road Sports	Local Sports	Lindsay Road	MORAYFIELD	70197.7
Local Sports park	Local Sports	Caboolture River Road	MORAYFIELD	17917.5

TABLE 25 - CABOOLTURE SOUTH - MORAYFIELD TOTAL PARK AREAS

Park type	Area
Local Recreation	46.40ha
Local Civic	1.08ha
Local Sports	8.81ha

6.4 Caboolture South - Morayfield accessibility analysis

Map 21 highlights the accessibility of Caboolture South/Morayfield catchment. Noting that the area to the south and west are not within the PIA. These areas are typically rural residential areas. There is a notable gap which is labelled 1 in Map 21.



MAP 21 - CABOOLTURE SOUTH - MORAYFIELD ACCESSIBILITY TO LOCAL RECREATION PARKS

6.5 Caboolture South - Morayfield catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 26, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 23 above.

TABLE 26 - CABOOLTURE SOUTH - MORAYFIELD LAND PROVISION ANALYSIS

CABOOLTURE SOUTH - MORAYFIELD	2016	2021	2026	2031	2036	Ultimate Population
Population	36,568	43,763	50,697	55,440	59,236	97,448
Area of local rec	46.4	46.4	46.4	46.4	46.4	46.4
required local rec area	36.57	43.76	50.70	55.44	59.24	97.45
over or under supply	9.83	2.64	-4.3	-9.04	-12.84	-51.05

The catchment analysis indicates that by the year 2036 Caboolture South and Morayfield will require a further 12.84 ha of local recreation parks. Much of this is to be delivered in through future development applications as areas are developed but several LGIP items need to be included to provide an adequate supply moving forward.

6.6 Caboolture District Recommendations for public parks

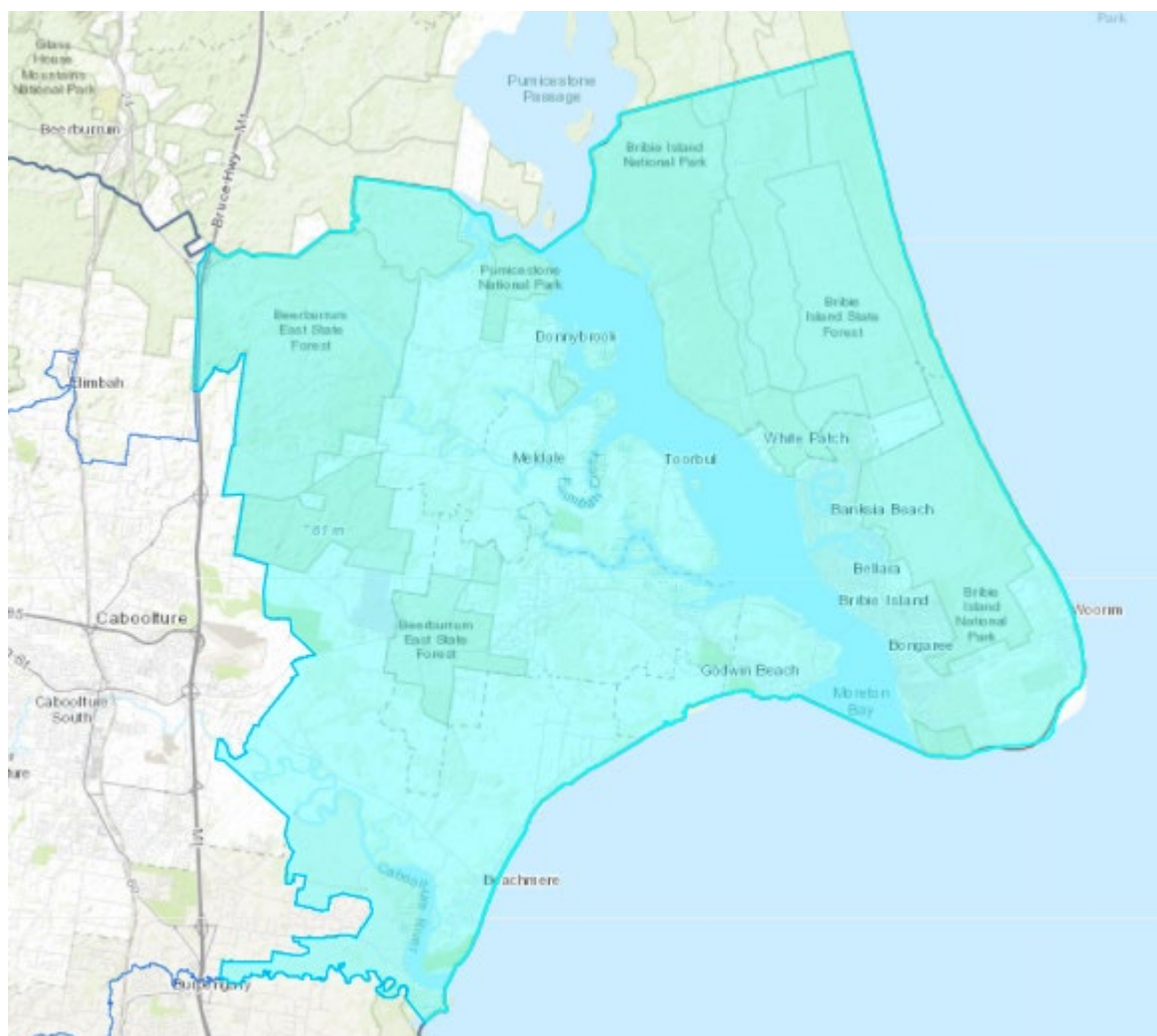
The following table (Table 27) public park solutions are recommended for LGIP2 for all levels of parks in the Caboolture South Morayfield local catchment.

TABLE 27 - CABOOLTURE DISTRICT PUBLIC PARK SOLUTIONS

Reference	Park Name	Park Type	Solution	Suburb
OS-05	Brodis Park (North)	District Park	Upgrade Embellishments	Morayfield
OS-18	Petersen Road Sportsground	District Sport	Upgrade Embellishments	Morayfield
OS-21	Morayfield District Recreation	District Park	Embellishments Only	Morayfield
OS-22	Caboolture South District Park	District Park	New Land & Embellishments	Caboolture
OS-23	Caboolture Civic District	District Civic	New Land & Embellishments	Caboolture
OS-26	Caboolture South District Sport (Buchanan Road)	District Sport	New Land & Embellishments	Morayfield
OS-46	Parkridge Estate Park- Dobson Lane Park	District Park	Upgrade Embellishments	Morayfield
OS-48	CREEC	Regional Park	Upgrade Embellishments	Burpengary
OS-129	Caboolture South Local Recreation	Local Park	New Land & Embellishments	Morayfield
OS-130	Crowe Road Park	Local Park	Upgrade Embellishments	Morayfield
OS-131	Manning Court Park	Local Park	Upgrade Embellishments	Morayfield

Reference	Park Name	Park Type	Solution	Suburb
OS-132	Morayfield Local Recreation	Local Park	New Land & Embellishments	Morayfield
OS-133	Morayfield Local Recreation	Local Park	New Land & Embellishments	Morayfield
OS-138	Morayfield Local Recreation	Local Park	New Land & Embellishments	Morayfield
OS-140	Macaranga Street Park	Local Park	Upgrade Embellishments	Morayfield
OS-148	Morayfield Local Recreation	Local Park	New Land & Embellishments	Morayfield
OS-150	Trinity Way Park	Local Park	Upgrade Embellishments	Morayfield
OS-2225	Dobson Road Upper Caboolture	District Park	Embellishments Only	Upper Caboolture
OS-2226	River Drive Park	Local Park	New Land & Embellishments	Upper Caboolture

COASTAL COMMUNITIES BRIBIE ISLAND

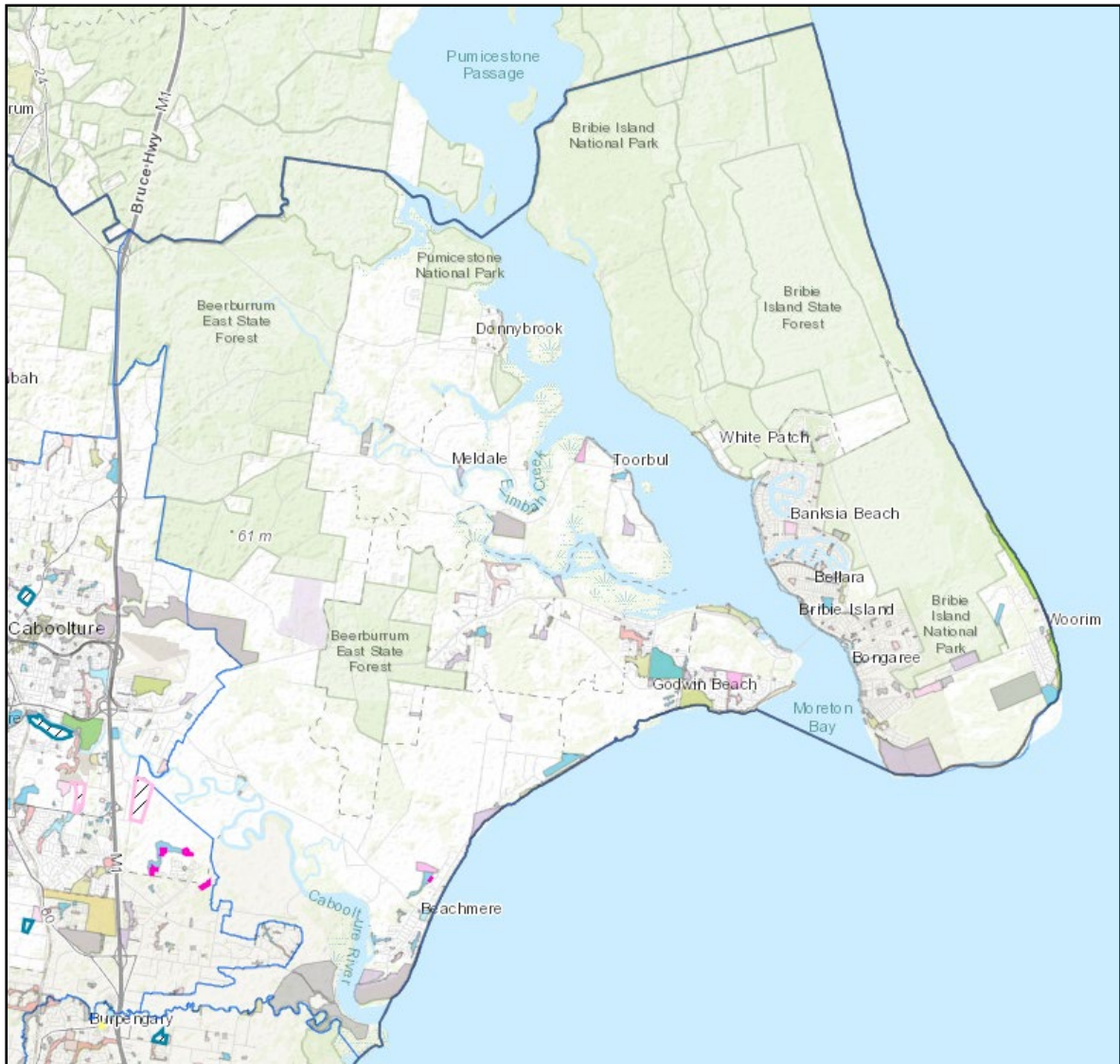


7 District Catchment - Coastal Communities and Bribie Island District Recreation Analysis

7.1 Coastal Communities and Bribie Island Profile Summary

The Coastal Communities and Bribie Island district forms the north-eastern boundary of the Moreton Bay Region. The district includes a range of coastal, rural, rural residential and suburban communities, natural features including the wetlands and aquatic habitats of the Pumicestone Passage and the coastal foreshores of Bribie Island, Godwin Beach, Sandstone Point, Ningi, Toorbul, Meldale, Donnybrook and Beachmere (see Map 23).

In the next 20 years little change is expected due to planning challenges associated with coastal hazard and the proximity to the Moreton Bay Marine Park and the iconic Pumicestone Passage.



MAP 22 - COASTAL COMMUNITIES AND BRIBIE ISLAND DISTRICT CATCHMENT BOUNDARY

7.2 Coastal Communities and Bribie Island population growth assumptions

The population assumptions for this district catchment are shown in Table 24 with a total growth of 9,289 residents from 2016 to 2036 which is a total growth of 26% over 15 years. Growth to ultimate is then assumed to be 1,918 or the remaining, final 4% of the district's capacity.

TABLE 28 - COASTAL COMMUNITIES AND BRIBIE ISLAND DISTRICT CATCHMENT POPULATION ASSUMPTIONS

Coastal Communities and Bribie Island	2016	2021	2026	2031	2036	Ultimate
Population	35,532	38,652	42,440	43,987	44,821	46,739
Population increase in five-year period		3,120	3,788	1,547	834	1,918
Moreton Bay Region Population	439,224	485,398	529,736	574,770	614,908	814,966
Percentage of Moreton Bay Region Population	8%	8%	8%	8%	7%	6%

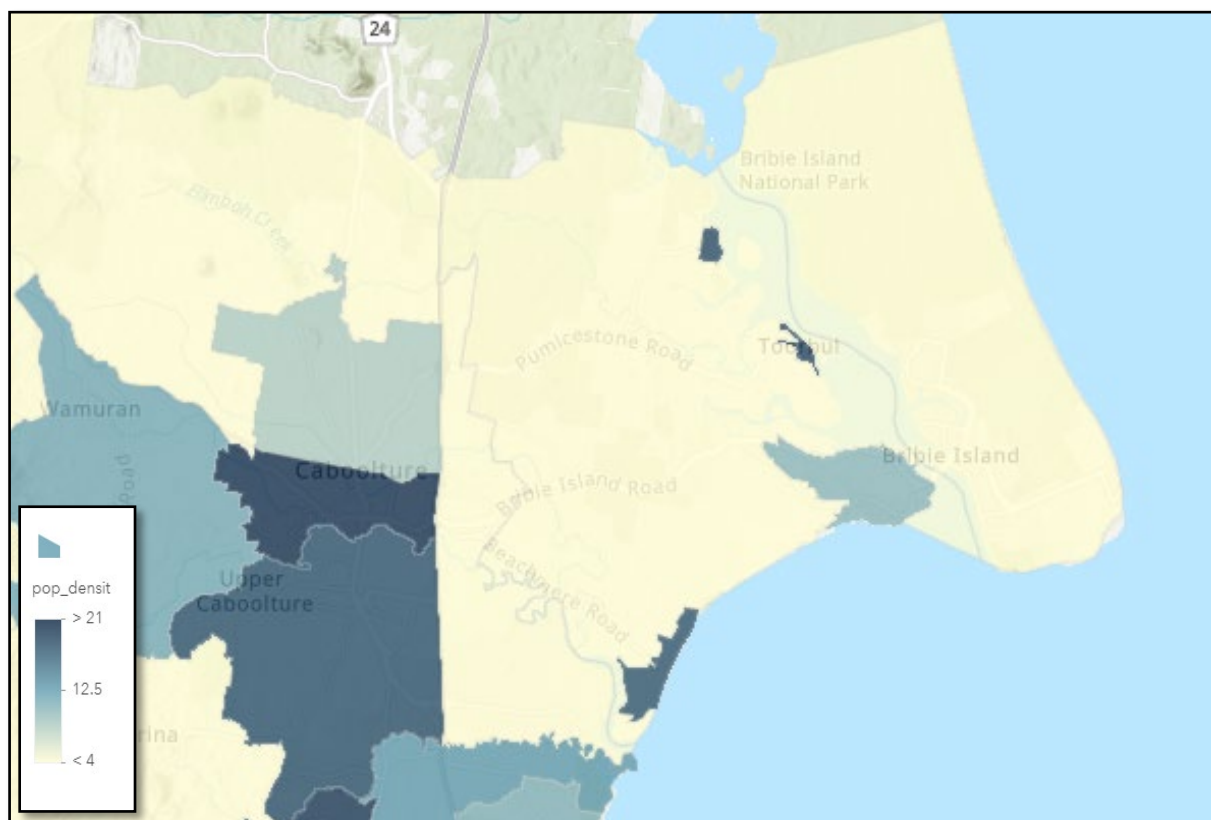
Source: The planning assumption for the region are based on the LGIP2 Assumptions (version 2.0 October 2019)

Table 30 shows the population broken down further into local areas. Featuring the higher population areas of Bribie Island and Sandstone point.

TABLE 29 - POPULATION BREAKDOWN - LOCAL AREAS WITHIN THE COASTAL COMMUNITIES AND BRIBIE ISLAND DISTRICT

Bribie and Coastal Lowlands Local Catchments	Population					
	2016	2021	2026	2031	2036	Ultimate
BEACHMERE	3,931	4,274	5,232	5,517	5,693	5,849
BRIBIE ISLAND	19,307	20,896	22,460	23,031	23,205	24,447
COASTAL LOWLANDS	3,797	3,918	3,989	4,247	4,332	4,496
DONNYBROOK	694	759	891	1,024	1,109	1,213
SANDSTONE / NINGI	6,864	7,833	8,503	8,791	9,092	9,324
TOORBUL	846	861	878	892	906	923

NB. local catchments mainly fall within the overall District catchment however there may be slight discrepancy of local catchment boundaries to District impacting total population.



MAP 23 - COASTAL COMMUNITIES AND BRIBIE ISLAND POPULATION DENSITY AT ULTIMATE

7.3 Coastal Communities and Bribie Island current supply of district level parks - foreshore, recreation and sports

The existing supply of District Recreation parks within this catchment are shown in Table 31. Refer to map of existing parks for locations. There is a total of 64.7ha of district level parks in the Coastal Communities and Bribie Island catchment, the breakdown of these parks is shown in Table 32.

TABLE 30 - COASTAL COMMUNITIES AND BRIBIE ISLAND TOTAL AREA OF PARKS BY TYPE

District Level Parks	Area in hectares
District Foreshore	35.65 ha
District Recreation	6.55 ha
Total Foreshore and Recreation	42.20
District Sports	22.51 ha
Total	64.72ha

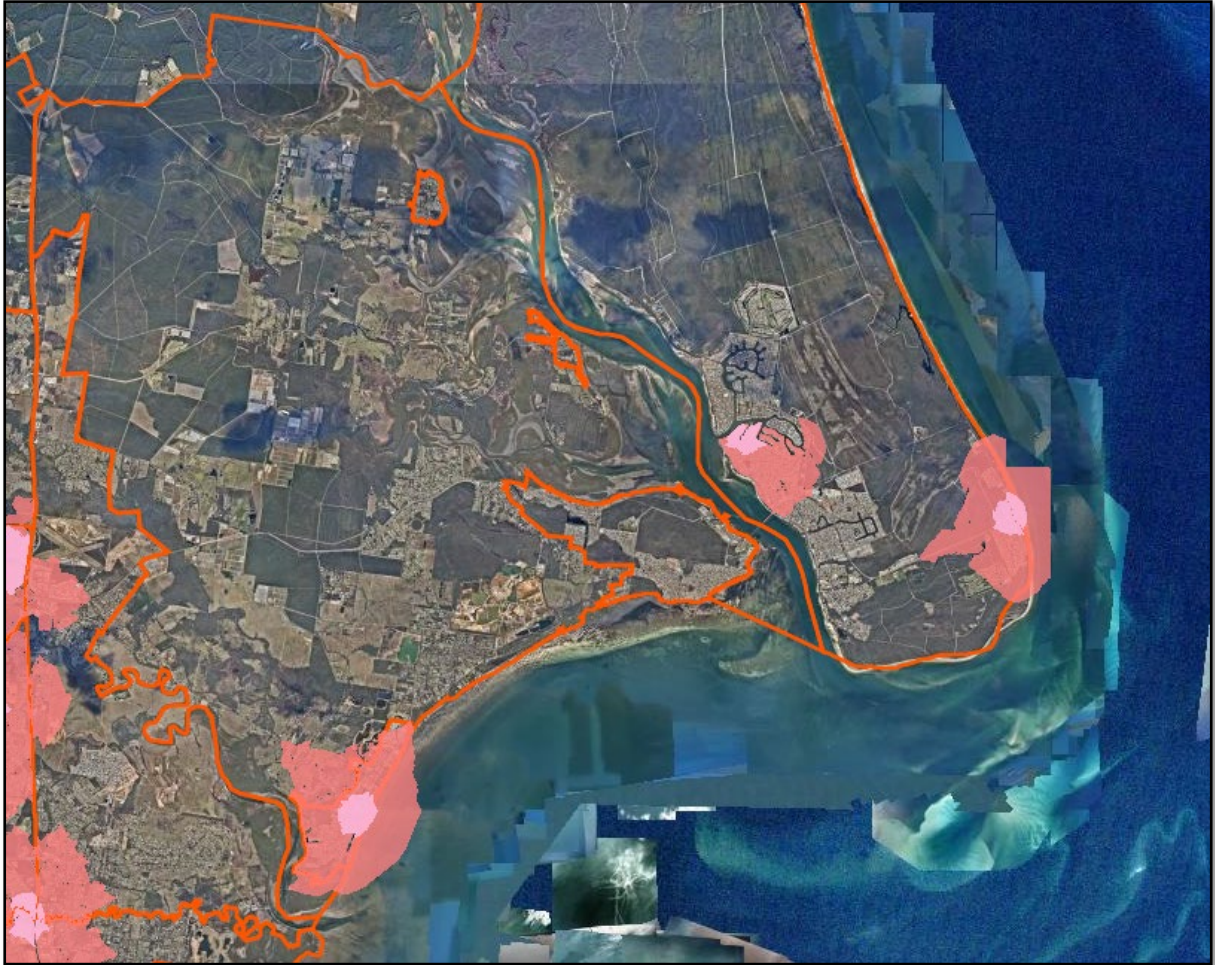
TABLE 31 - CURRENT SUPPLY OF PUBLIC PARKS IN COASTAL COMMUNITIES AND BRIBIE ISLAND

Park	Address	Local catchment	Area in m2
Apex Park (Bongaree)	South Esplanade	BONGAREE	10,500
Pumicestone Lions Park	Welsby Parade	BONGAREE	13,564
Sunset Park	Marina Boulevard	BANKSIA BEACH	7,205
Sylvan Beach Esplanade	Sylvan Beach Esplanade	BELLARA	98,658
Welsby Parade Park	Welsby Parade	BONGAREE	37,810
Brennan Park	South Esplanade	BONGAREE	13,536
Col Fischer Park	Solander Esplanade	BANKSIA BEACH	67,291
Kakadu Beach Park	Solander Esplanade	BANKSIA BEACH	24,331
Crest Park	Sylvan Beach Esplanade	BELLARA	8,715
Solander Esplanade Park	Solander Esplanade	BANKSIA BEACH	43,523
Kal-ma-kuta Drive Park	Bribie Island Road	SANDSTONE POINT	26,017
Chamber of Commerce Park	Welsby Parade	BONGAREE	5,385
Harbour Promenade Park	Harbour Promenade	BANKSIA BEACH	16,523
Tintookie Park	Second Avenue	WOORIM	11,384
Clayton Park	Moreton Terrace	BEACHMERE	37,618
Cosmos Park Sports Complex	Sunderland Drive	BANKSIA BEACH	90,663
Bribie Island Sports Complex	First Avenue	BONGAREE	134,478
Total Area			647,201 m2 64.7ha

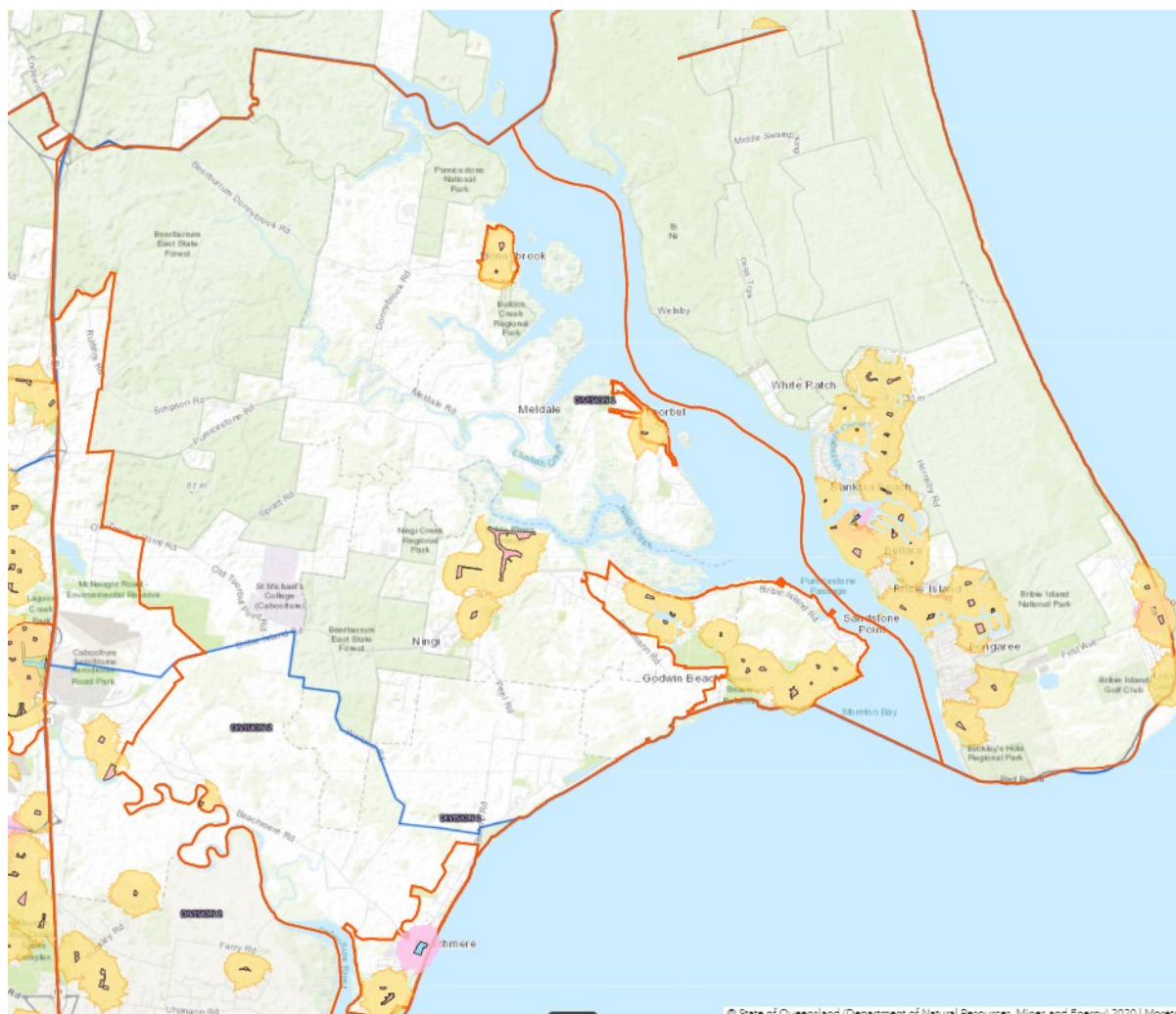
7.4 Coastal Communities and Bribie Island accessibility analysis

When considering accessibility with the Coastal communities and Bribie Island the foreshore parks play a significant role in meeting the recreation needs of the community. Most areas are within easy access of foreshore parks although many of these are under embellished in terms of the Desired Standard of Service.

There are limited areas for future development within this catchment. No further land is required for district recreation parks based on current projections.



MAP 24 - ACCESS TO DISTRICT RECREATION PARKS - COASTAL COMMUNITIES AND BRIBIE ISLAND



MAP 25 - ACCESSIBILITY FOR BOTH LOCAL AND DISTRICT PARKS COASTAL COMMUNITIES AND BRIBIE ISLAND

7.5 Coastal Communities and Bribie Island catchment analysis

The desired standards of service outline a target of 0.6 hectare of land for district recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 32, for the Coastal Communities Bribie Island it shows sufficient land area for parks to population ratio, based on the planning assumptions shown in Table 28.

TABLE 32 - LAND PROVISION ANALYSIS FOR COASTAL COMMUNITIES AND BRIBIE ISLAND CATCHMENT

Coastal Communities and Bribie Island	2016	2021	2026	2031	2036	Ultimate
Population	35,532	38,652	42,440	43,987	44,821	46,739
Supply needed to meet DSS (ha)	21.32	23.19	25.46	26.39	26.89	28.04
Current supply (ha)	42.2	42.2	42.2	42.2	42.2	42.2
Balance analysis (ha)	20.88	19.01	16.74	15.81	15.31	14.16

7.6 Coastal Communities and Bribie Island- Recommendations for public parks solutions -

No additional land is required for district recreation in this catchment. Several upgrades are recommended for district recreation parks in the Coastal Communities and Bribie Island Catchment these are listed in Table 33 below.

TABLE 33 - COASTAL COMMUNITIES AND BRIBIE ISLAND DISTRICT RECREATION SOLUTIONS

Reference	SUBURB	NAME	PARK TYPE	SOLUTION
OS-12	Toorbul	Toorbul Community and Sports Centre	District Sport	Upgrade Embellishments
OS-14	Bribie Island	Bellara District Foreshore	District Park	Upgrade Embellishments
OS-15	Bribie Island	Solander Esplanade Park	District Park	Upgrade Embellishments
OS-29	Bribie Island	Woorim Foreshore - Edward Shrag Memorial Park	Regional Park	Upgrade Embellishments
OS-33	Beachmere	Beachmere Sportsground	District Sport	Upgrade Embellishments
OS-60	Bribie Island	Brennan Park	District Civic	Investigation/Indicative
OS-64	Bribie Island	Bribie Island Sports Complex	District Sport	Upgrade Embellishments
OS-70	Coastal Lowlands	Godwin Beach Esplanade	Local Park	Upgrade Embellishments
OS-100	Bribie Island	Woorim Foreshore	Local Park	Upgrade Embellishments
OS-104	Bribie Island	Ernest Sendall Park, Bongaree	Local Park	Upgrade Embellishments
OS-106	Donnybrook	Donnybrook Foreshore	Local Park	Upgrade Embellishments
OS-108	Donnybrook	Donnybrook Local Recreation	Local Park	New Land
OS-109	Toorbul	Toorbul Esplanade (Foreshore) (North)	Local Park	Upgrade Embellishments
OS-110	Toorbul	Toorbul Esplanade (Foreshore) (South)	Local Park	Upgrade Embellishments
OS-112	Sandstone/Ningi	Bestmann Road East Park	Local Park	Upgrade Embellishments
OS-2223	Beachmere	Beachmere	Local Park	Embellishments

7.7 District Catchment - Coastal Communities and Bribie Island Sports Parks

Separate calculations for the sports park requirements in Coastal Communities are shown in the following tables. These are worked on a district level. It is noted that the remoteness of these communities has historically led to the development of local sports parks in some of the villages of the Coastal Communities. These local sports parks play a vital role in the support of the provision of sports parks for the community. Local sports parks while not meeting the DSS are included in the calculation of provision of sports parks.

TABLE 34 - TOTAL AREA OF SPORTS PARKS IN COASTAL COMMUNITIES DISTRICT CATCHMENT

Park	Hierarchy	Area (ha)	Suburb
Beachmere Sports Complex	Local	8.72ha	Beachmere
Sandstone Point Sports Ground	Local	13.26ha	Sandstone
Bribie Island Sports Complex	District	13.45ha	Bribie
Toorbul Community and Sports Centre	Local	6.76ha	Toorbul
Total Area		42.19ha	

TABLE 35 - SPORTS PARK DEMAND COASTAL LOWLANDS- BRIBIE ISLAND

Hierarchy	DSS provision rate per 1000	Area required	Number of sports parks required	Area provided
Regional Sport	0.4	18ha	0.45	
District Sport	0.8	36	1.7	42.19
Total required		54ha		

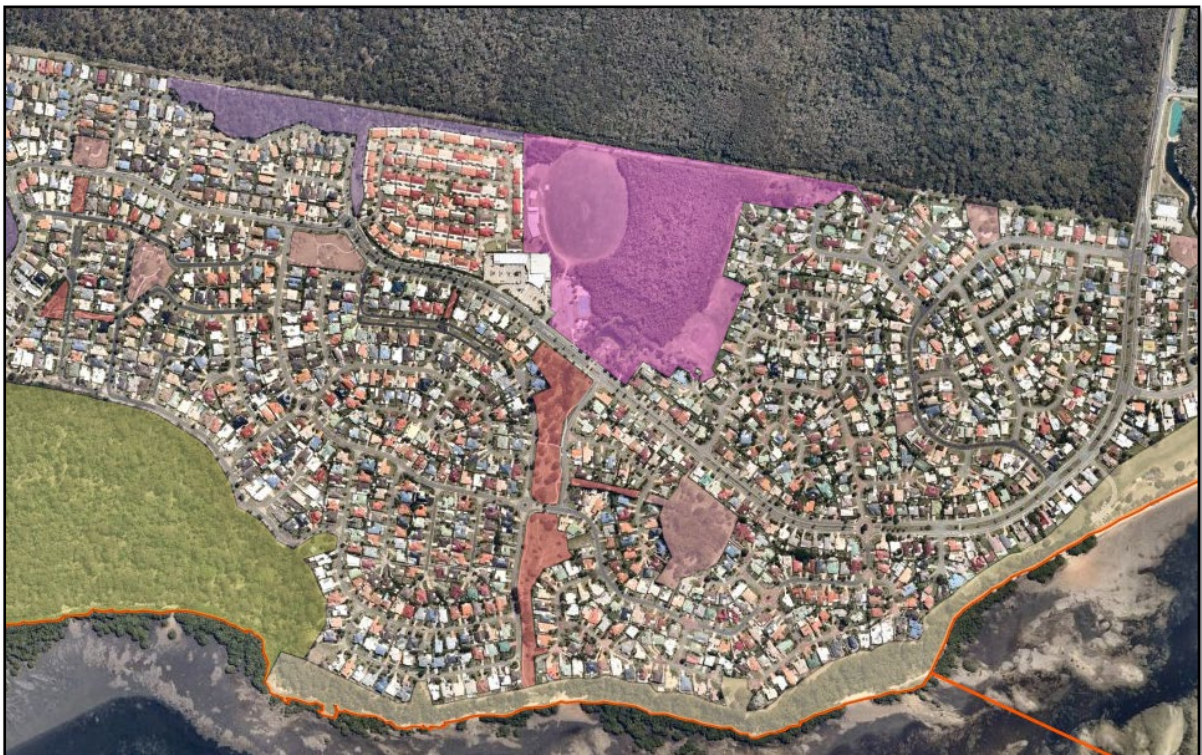
Regional sports are provided to service the Regional catchment. Existing Local sports support the sporting needs of the catchment and in combination with the district sports club at Bribie provide 42.19 ha of sports parks.

The balance of the area being 12 ha or 18 of regional demand to be catered for in the greater region.

The following sports parks are in the Coastal Lowlands and Bribie Island



MAP 26 - BEACHMERE SPORTS COMPLEX



MAP 27 - SANDSTONE POINT SPORTS COMPLEX



MAP 28 - BRIBIE ISLAND SPORTS COMPLEX



MAP 29 - TOORBUL SPORTS COMPLEX

8 Local Catchment - Beachmere - Local Recreation Analysis

8.1 Beachmere Profile Summary

Beachmere, located in the north of the Moreton Bay Region, within a 16km drive of Caboolture. It is bordered by sand extraction industry in the north, Deception Bay to the south and the Caboolture River in the south and west. The Beachmere local area primarily consists of coastal and rural residential housing. It provides a coastal lifestyle with the Beachmere foreshore playing a significant role in its character and development.



MAP 30 - BEACHMERE CATCHMENT BOUNDARY

The major features of the area include the Rogers Street Sportsground, Beachmere Village Shopping Centre, Beachmere Activity Centre and two primary schools.

8.2 Beachmere population growth assumptions

The population assumptions for this Beachmere catchment are shown in Table 36, indicating a slight growth over the 20-year period from 2016 to 2036. The total population growth from 2016 to 2036 is 1,762 an increase of 44.8%, while this is a significant percentage, in comparison with other growth areas it is a relatively small population increase.

TABLE 36 LOCAL CATCHMENT POPULATION ASSUMPTIONS BEACHMERE

BEACHMERE	2016	2021	2026	2031	2036	Ultimate
	3,931	4,274	5,232	5,517	5,693	5,849
Demand	3.93	4.27	5.23	5.52	5.69	5.85
Existing area	4.63	4.63	4.63	4.63	4.63	4.63
Balance	0.69	0.35	-0.61	-0.89	-1.07	-1.22

8.3 Beachmere current supply of Local Recreation parks

The existing supply of local recreation parks within the Beachmere local catchment are shown in Table 37.

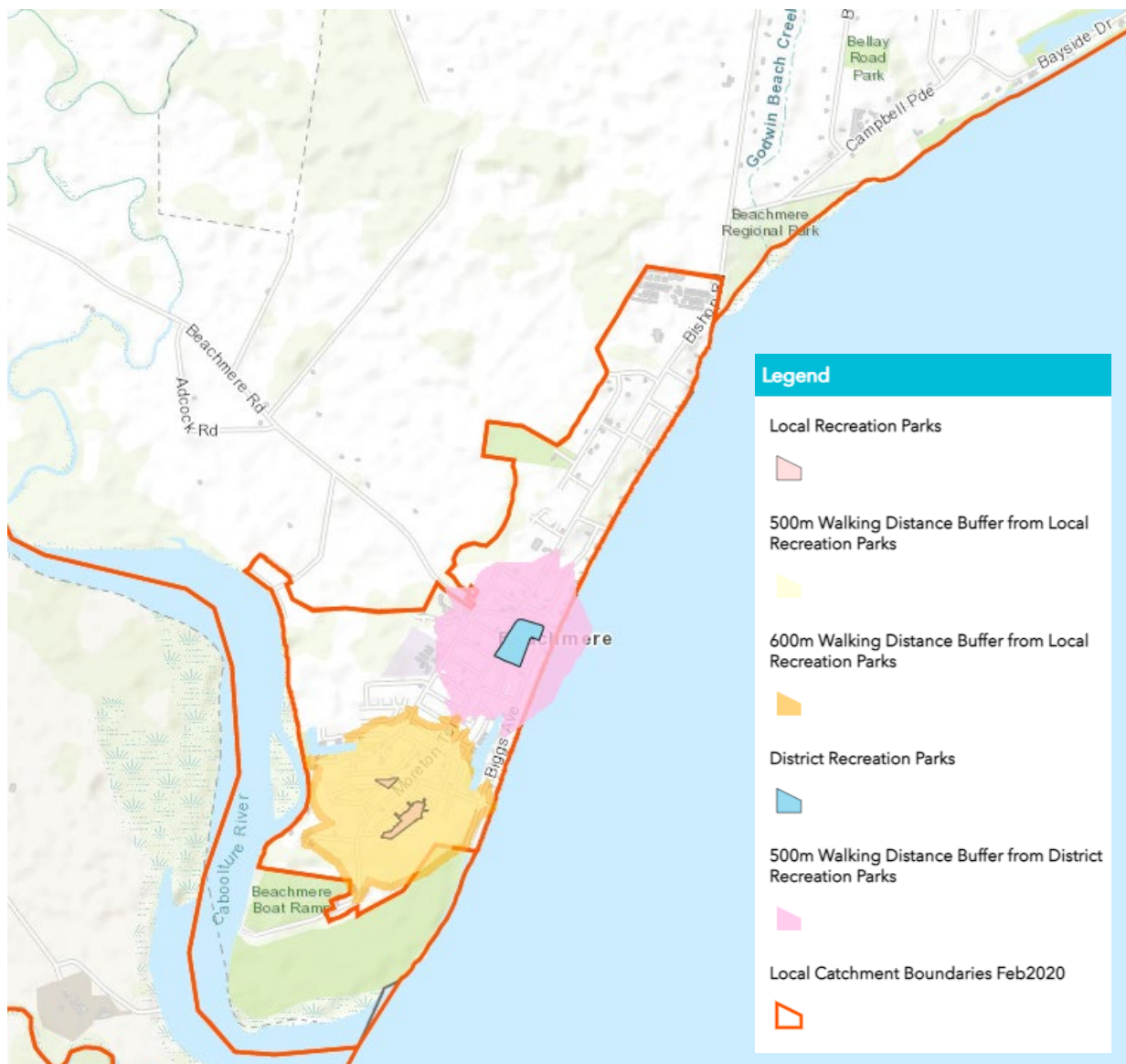
TABLE 37 - CURRENT SUPPLY OF LOCAL RECREATION PARKS BEACHMERE

Park name	Park address	Land area (Ha)
A&M Lehman Park (Local Foreshore)	1 Biggs Avenue Beachmere	0.13
Dwyer Street Park (North)	1 Dwyer Street Beachmere	0.40
Dwyer Street Park (West)	44 Dwyer Street Beachmere	0.56
Gretel Drive Park	22 Gretel Drive Beachmere	1.69
Henry Ware Park	Riversleigh Road Beachmere	0.43
Total land area		3.21

Note there have been sales of park area (i.e. 151 Bishop Road Beachmere) and reclassifications in the Beachmere area (Dwyer Street Park West) which alter the calculations of Local recreation parks from the previous LGIP. The current area calculation of local recreation and foreshore parks in the Beachmere catchment to 3.21 ha.

8.4 Beachmere accessibility analysis

Map 31 shows accessibility to local recreation parks for the Beachmere seaside community, it demonstrates several gaps in the network. Map 31 is based on the 500m true walkability as calculated with GIS permeability raster formulas. The Beachmere community, while in proximity to the water, has limited foreshore access for public enjoyment because of the historic subdivision patterns although there are some large park areas to the south of the village.



MAP 31 - BEACHMERE CATCHMENT ANALYSIS

8.5 Catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 38, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 38.

TABLE 38 - PARKS PROVISION ANALYSIS

BEACHMERE	2016	2021	2026	2031	2036	Ultimate
Population	3931	4274	5232	5517	5693	5849
Demand	3.93	4.27	5.23	5.52	5.69	5.85
Existing area	3.21	3.21	3.21	3.21	3.21	3.21
Balance	-0.72	-1.06	-2.02	-2.31	-2.48	-2.64

Note there is an existing shortfall in local recreation park area (from 2016), this shortfall is approximately 2.48 ha at 2036.

8.6 Recommendations for public parks solutions - Beachmere

Recommended that in order to increase accessibility to local parks and meet the demand for the future that an additional local recreation park be provided in Rogers Street in proximity of the existing local sports park to support and enhance the embellishments and provision of local recreation facilities to the seaside community.

The following items are recommended for the future recreation and sports needs of the Beachmere Local Catchment.

TABLE 39- BEACHMERE RECOMMENDED SOLUTIONS TABLE

Reference	Name	Park Type	Solution
OS-33	Beachmere Sportsgrounds	Local Sport	Upgrade - scheduled
OS-2204	Rogers Street Park	Local Recreation Park	Land and embellishment

9 Local Catchment - Bribie Island - Local Recreation Analysis

9.1 Bribie Island Profile Summary

The Bribie Island catchment has been adjusted since the LGIP2017 to include the areas of Woorim and Bongaree. Bribie Island is in the north of the Moreton Bay Region. The local area contains suburban residential areas, cafes, shopping centres and a state school. Bribie Island National Park is a major feature of this local area. It provides environmental values, scenic amenity and recreation opportunities to the region. Parts of the local area are affected by flooding and erosion. The area will be subject to the future impacts of climate change.



MAP 32 BRIBIE ISLAND - LOCAL CATCHMENT BOUNDARY

Features in the local area include Pumicestone Passage Marine Park, Pumicestone Channel, Buckleys Hole Conservation Park, Bribie Island Golf Club, Pacific Harbour Golf & Country Club, University of

Queensland Ionospheric Research Station, Bribie Island Aquatic Leisure Centre, Bribie Island Arts Centre, Matthew Flinders Bicentennial Gallery, Banksia Beach Shopping Village, Bribie Central Shopping Centre, Bribie Island Shopping Centre, Pacific Harbour Marina, Banksia Lodge Neighbourhood Centre, Shore Bird Sanctuary and Bribie Island Recreation Grounds.

9.2 Bribie Island population growth assumptions

The population assumptions for the Bribie Island local catchment are shown in Table 40.

TABLE 40 - LOCAL CATCHMENT POPULATION ASSUMPTIONS - BRIBIE WOORIM AND BONGAREE

Bribie Island	2016	2021	2026	2031	2036	ULTIMATE
Population	19,307	20,896	22,460	23,031	23,205	24,447
Demand (ha)	19.3ha	20.9ha	22.5ha	23.0ha	23.2ha	24.5ha
Existing area (ha)	33.2ha	33.2ha	33.2ha	33.2ha	33.2ha	33.2ha
Balance (ha)	13.9ha	12.3ha	10.7ha	10.2ha	10.0ha	8.8ha

9.3 Bribie Island current supply of Local Recreation parks

The existing supply of local recreation parks within the Bribie Island local catchment are shown in Table 41.

TABLE 41 - BRIBIE ISLAND - CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park name	Park address	Land area (ha)
White Patch Esplanade Reserve	44 White Patch Esplanade White Patch	11.5ha
Koolamara Park	105 Arcadia Avenue Woorim	2.9ha
Harmony Park	8 Melia Street Bongaree	0.5ha
The Peninsular Park (East)	183 Marina Boulevard Banksia Beach	0.1ha
Ian Fairweather Park	2 Hunter Street Bongaree	0.5ha
Seaside Drive Park	2 Seaside Drive Banksia Beach	0.4ha
Coolgarra Avenue Park	42 Coolgarra Avenue Bongaree	1.2ha
Caltowie Avenue Park	83 Cosmos Avenue Banksia Beach	0.7ha
Albatross Park	157 Endeavour Drive Banksia Beach	0.2ha
Seaeagle Place Park	95 Raptor Parade Banksia Beach	0.8ha
North Point Park	127 Marina Boulevard Banksia Beach	0.2ha
Cosmos Avenue Park	95 Cosmos Avenue Banksia Beach	0.1ha
Turnstone Close Park	5 Kakadu Circuit Banksia Beach	0.1ha
Dale Marsh Park	12 Benabrow Avenue Bongaree	0.2ha
Vietnam Veterans Park	94 Toorbul Street Bongaree	1.0ha

Park name	Park address	Land area (ha)
Marquardt Park	27A Allamanda Drive Bongaree	0.7ha
Sheila Wilson Park	29 Fearn Avenue Bongaree	0.5ha
Ernest Sendall Park	91 Kangaroo Avenue Bongaree	2.6ha
Oxley Park	100 Avon Avenue Banksia Beach	0.4ha
Currong Crescent Park	54 Verdoni Street Bellara	0.1ha
Voyagers Park	2 Voyagers Drive Banksia Beach	0.2ha
Cook Park	140 Avon Avenue Banksia Beach	0.6ha
Dampier Park	20 Winch Court Banksia Beach	0.3ha
Clayton Park (Bellara)	9 Jabiru Street Bellara	1.9ha
Marina Boulevard Park (South)	2 Marina Boulevard Banksia Beach	3.8ha
North Street Park	60 North Street Woorim	0.5ha
Complex - Lions Park (Woorim)	1 Boyd Street Woorim	1.4ha
Total land area		33.3ha



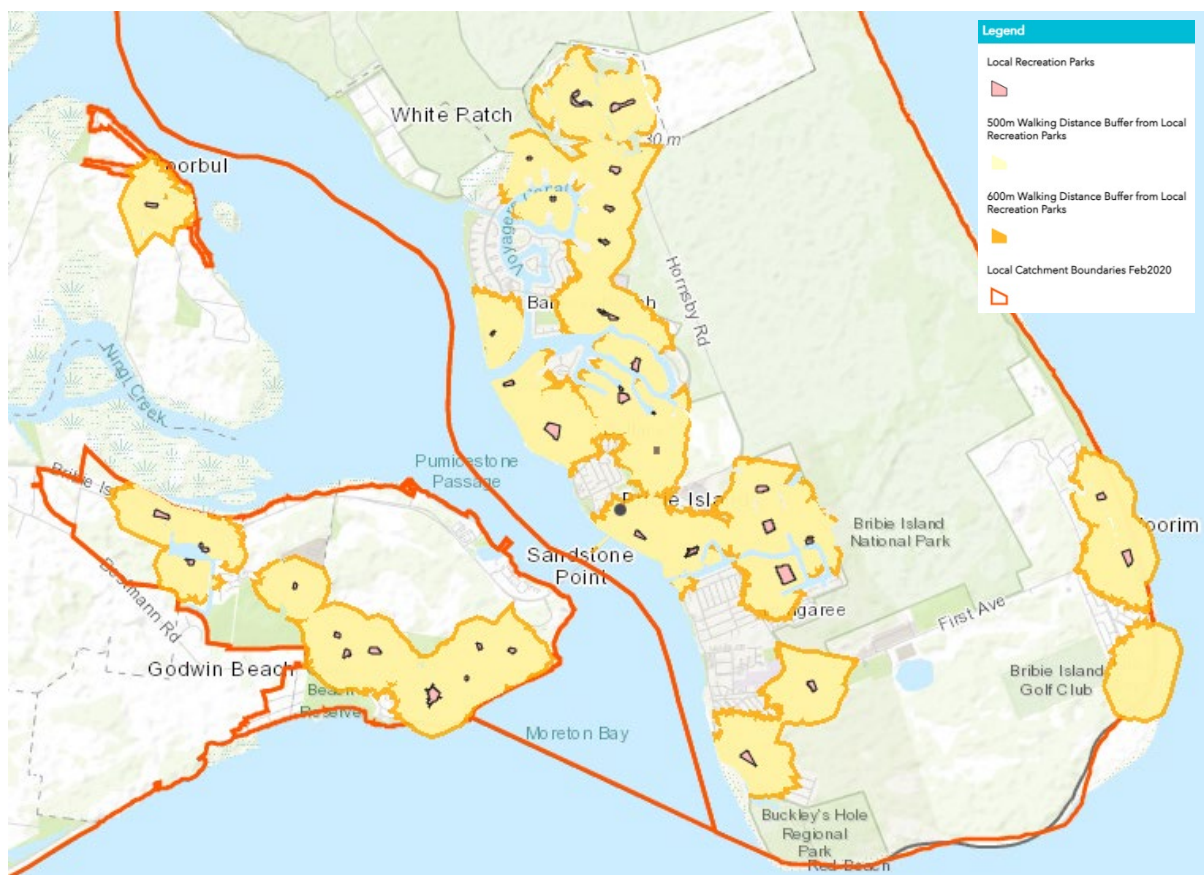
MAP 33 BRIBIE ISLAND - PARKS NETWORK

Map 33 Bribie island - Parks network shows the park network including all types of parks across Bribie Island, including Council parks both trunk and non-trunk.

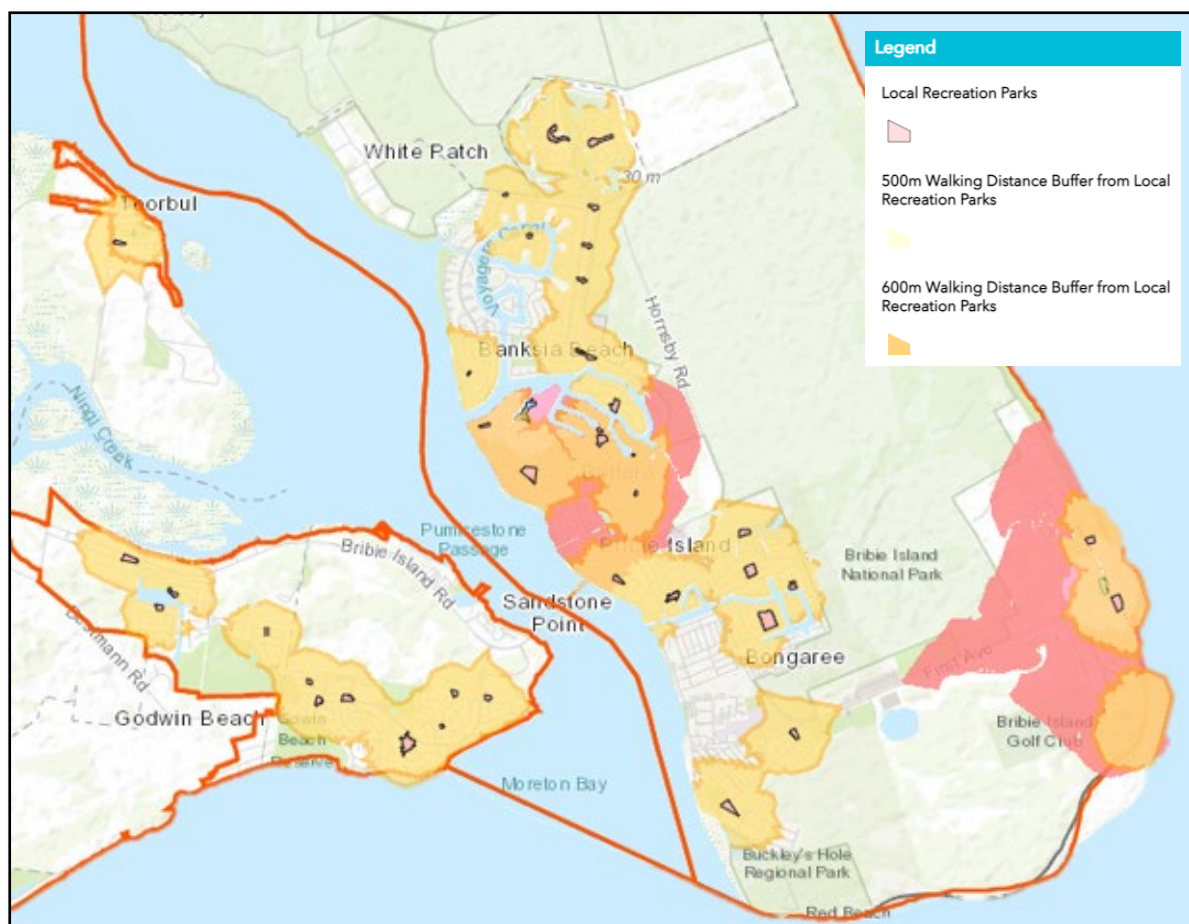
9.4 Bribie Island accessibility analysis

Most of Bribie Island has good access to local recreation parks. The areas of deficiency are shown in Map 34 as gaps, it should be noted that this map does not show accessibility for district foreshore parks.

It is noted that some areas of deficiency are compensated by being within walking distance of District recreation, District foreshore parks or National park.



MAP 34 - LOCAL RECREATION WALKABILITY ANALYSIS



MAP 35 - BRIBIE ISLAND LOCAL AND DISTRICT RECREATION PARKS WALKABILITY

9.5 Bribie Island catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 42, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 40 above.

TABLE 42 - BRIBIE ISLAND LAND PROVISION ANALYSIS - LOCAL RECREATION

BRIBIE ISLAND	2016	2021	2026	2031	2036	Ultimate
Population	19,307	20,896	22,460	23,031	23,205	24,447
Demand in hectares	19.31	20.90	22.46	23.03	23.20	24.45
Existing area	173.21	173.21	173.21	173.21	173.21	173.21
Balance	154	152	151	150	150	149

9.6 Recommendations for public parks solutions - Bribie Island

No additional land requirements for parks noted for Bribie Island. There are seven projects identified for parks requiring upgrading to bring them up to the desired standards of service and to meeting community needs and expectation.

In line with Council's policy as set within the planning Scheme district civic space should also be included in the inventory of parks on Bribie. There is an existing LGIP item for a District Civic park at Brennan Park, Bongaree - OS-60.

The list of items in Table 43 are the recommended projects for the LGIP within the Bribie local catchment including Regional and District level projects.

TABLE 43 - SOLUTIONS TABLE BRIBIE ISLAND LOCAL CATCHMENT

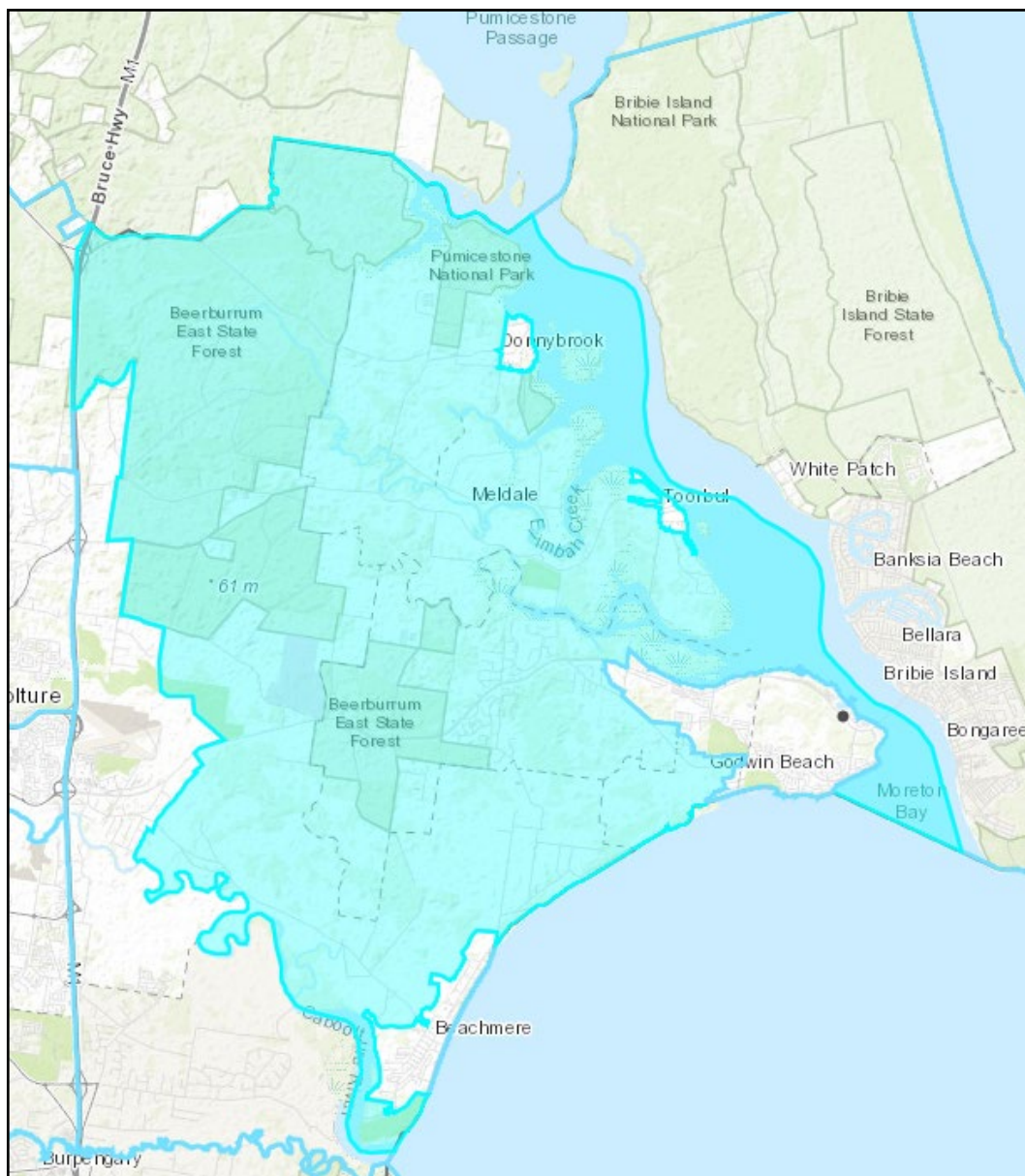
LGIP ID	Name	Type	Solution	Suburb
OS-14	Bellara District Foreshore	District Recreation	Upgrade Embellishments	Bellara
OS-15	Solander Esplanade Park	District Recreation	Upgrade Embellishments	Banksia Beach
OS-29	Woorim Foreshore - Edward Shrag Memorial Park	Regional Park	Upgrade Embellishments	Woorim
OS-60	Brennan Park	District Civic	Investigation/Indicative	Bongaree
OS-64	Bribie Island Sports Complex	District Sport	District Sport	Woorim
OS-100	Woorim Foreshore	Local Recreation	Upgrade Embellishments	Woorim
OS-104	Ernest Sendall Park, Bongaree	Local Recreation	Upgrade Embellishments	Bongaree

10 Local Catchment - Coastal Lowlands - Local Recreation Analysis

10.1 Coastal Lowlands profile summary

The Coastal Lowlands local area includes the suburbs of Meldale and Godwin Beach as well as parts of Donnybrook, Elimbah, Ningi, Toorbul, Caboolture East and Beachmere. It is a large rural area with small scale industrial uses and rural residential properties throughout. The local area is bordered by the Sunshine Coast Region in the north, Pumicestone Passage and Bribie Island in the east, Burpengary and Deception Bay in the south and Caboolture in the west.

Some of the major features in the local area include the Pumicestone Passage Marine Park, Bullock Creek Conservation Park, parts of Beerburum East State Forest, Beachmere Conservation Park, Abbey Museum of Art & Archaeology and Tea Tree Swamp Lagoon.



MAP 36 - COASTAL LOWLANDS LOCAL CATCHMENT

10.2 Coastal Lowlands population growth assumptions

The population assumptions for this Coastal Lowlands local catchment are shown in Table 44 .

TABLE 44 - COASTAL LOWLANDS POPULATION ASSUMPTIONS

COASTAL LOWLANDS	2016	2021	2026	2031	2036	Ultimate
Population	3,797	3,918	3,989	4,247	4,332	4,496
Population growth in 5-year interval		121	71	258	85	164
Percentage growth over 5-year interval		3.2%	1.8%	6.5%	2.0%	3.8%

10.3 Coastal Lowlands current supply of Local Recreation parks

The existing supply of local recreation parks within this local catchment are shown in Table 45.

TABLE 45 - COASTAL LOWLANDS CURRENT SUPPLY OF LOCAL RECREATION PARKS

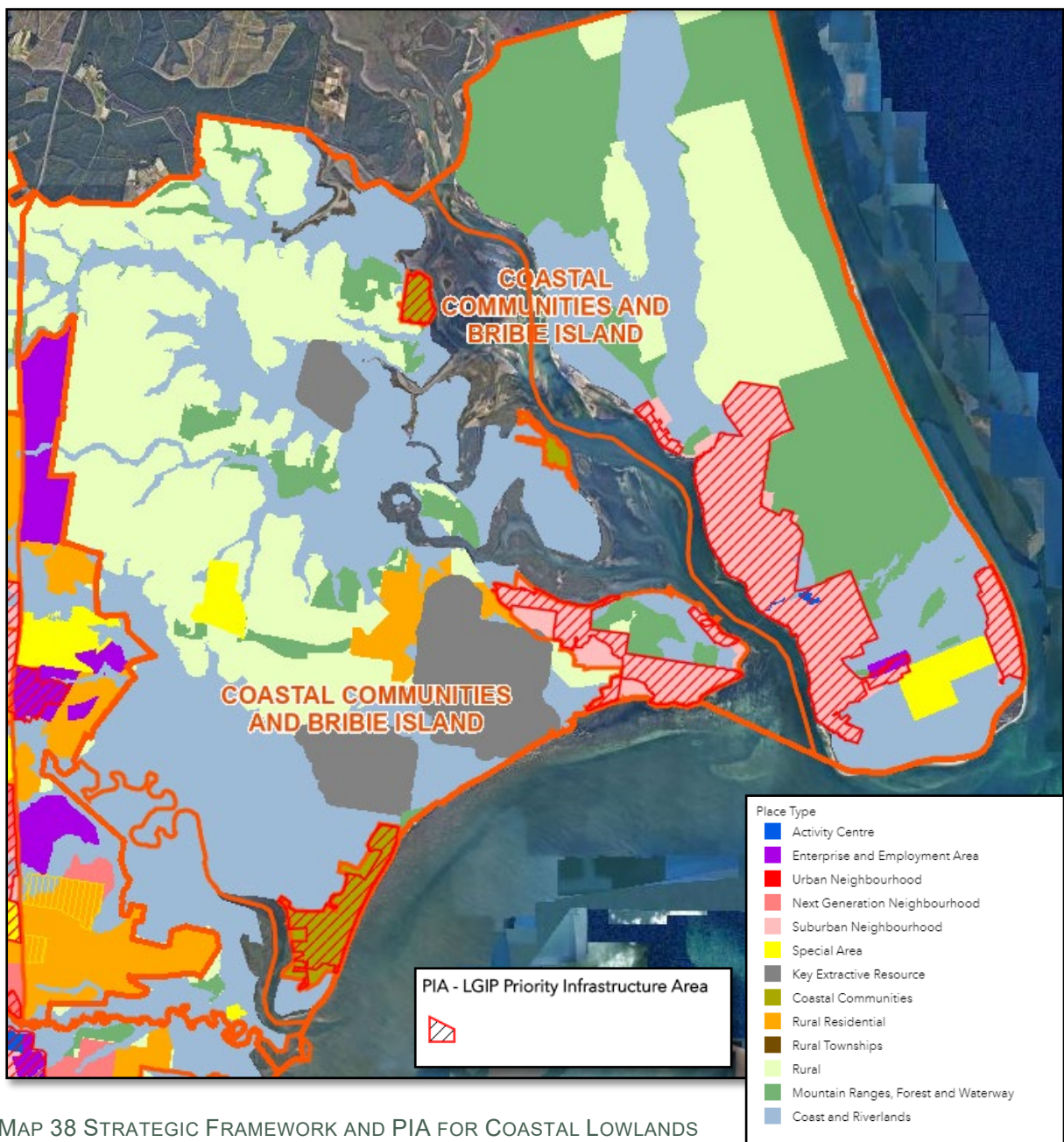
Name	Classification	Address	Suburb	Size m2
Ned Bishop Park	Local Foreshore	Esplanade	TOORBUL	5672
Spinnaker Drive Park	Local Foreshore	Spinnaker Drive	SANDSTONE POINT	29559
Bayside Drive Park (West)	Local Foreshore	Bayside Drive	BEACHMERE	50840
Toorbul Esplanade (Foreshore)	Local Foreshore	Karissma Road	TOORBUL	30308
Moffatt Esplanade (North)	Local Foreshore	Moffatt Esplanade	TOORBUL	14773
Cocos Drive Park	Local Recreation	Cocos Drive	NINGI	12132
Harry Ware Park	Local Recreation	Riversleigh Road	BEACHMERE	4285
Bribie Pines Reserve	Local Recreation	Bernborough Way	NINGI	178593
Jodi Close Park	Local Recreation	Jodi Close	NINGI	24318
Toorbul Community and Sports	District Sports Park	Pumicestone Road	TOORBUL	67572

10.4 Coastal Lowlands accessibility analysis

Map 37 highlights the accessibility of the Coastal lowlands to the local recreation parks. Much of the lowlands are classified as place types Coast and Riverlands or Rural.



MAP 37 - ACCESSIBILITY MAPPING COASTAL LOWLANDS



MAP 38 STRATEGIC FRAMEWORK AND PIA FOR COASTAL LOWLANDS

10.5 Coastal Lowlands catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 46, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown Table 44 above.

TABLE 46 - LAND PROVISION ANALYSIS COASTAL LOWLANDS

COASTAL LOWLANDS	2016	2021	2026	2031	2036	Ultimate
Population	3,797	3,918	3,989	4,247	4,332	4,496
DSS requirement	3.797	3.918	3.989	4.247	4.332	4.496
Current provision in ha	42	42	42	42	42	42
Balance (surplus)	38.203	38.082	38.011	37.753	37.668	37.504

10.6 Recommendations for public parks solutions - Coastal Lowlands

No additional parks required

11 Local Catchment - Donnybrook - Local Recreation Analysis

11.1 Donnybrook Profile Summary

The Donnybrook local area is situated 20km from Caboolture. It is bordered by the Sunshine Coast Region to the north, Meldale to the south, Elimbah to the west and Bribie Island to the east. It has a low-density coastal character with proximity to Pumicestone Passage (see Map 39). Low density residential housing is the primary land use in the area. It relies on neighbouring towns for access to employment, shopping and services.



MAP 39 - DONNYBROOK LOCAL CATCHMENT

11.2 Donnybrook population growth assumptions

The population assumptions for Donnybrook local catchment are shown in Table 47, it is noted that there is limited growth within this small village with a total growth of 414 residents from 2016 to 2036 and an additional 104 residents to reach capacity at current zoning.

TABLE 47 - DONNYBROOK LOCAL CATCHMENT POPULATION ASSUMPTIONS

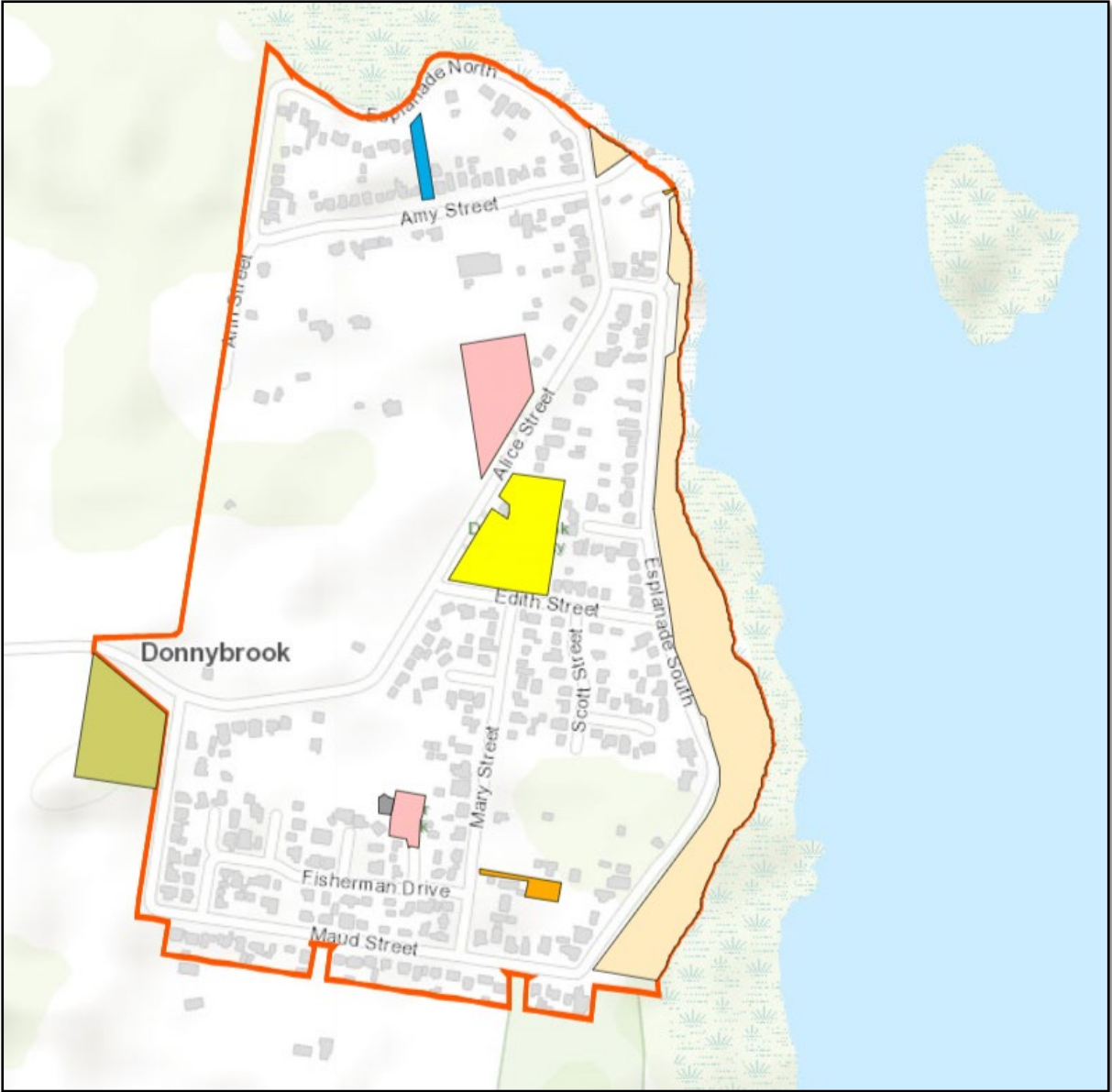
Donnybrook	2016	2021	2026	2031	2036	Ultimate
Population	694	759	891	1,024	1,109	1,213
Population growth over 5-year interval		65	132	133	85	104
Population growth as percentage		9.3	17.5	14.9	8.3	19

11.3 Current supply of Local Recreation Parks

The existing supply of local recreation parks within this local catchment are shown in Table 48. There are five parks including civic, foreshore and recreational parks

TABLE 48 - CURRENT SUPPLY OF LOCAL RECREATION PARKS - DONNYBROOK

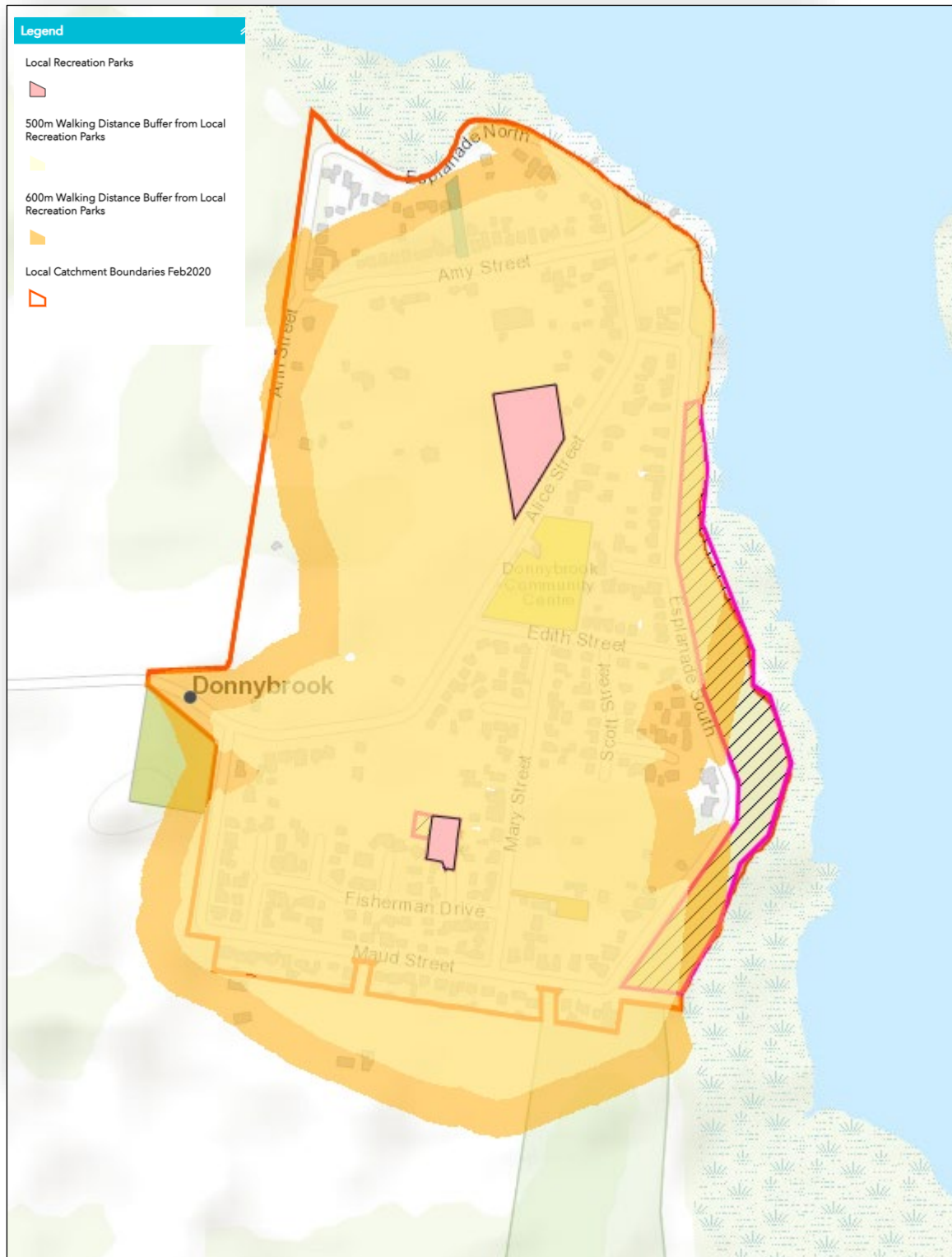
Park Name	Classification	Address	Suburb	Area ha
Donnybrook Community Centre	Local Civic Park	Edith Street	Donnybrook	1.3ha
Pioneer Park Nth	Local Foreshore	Alice Street	Donnybrook	0.1ha
Donnybrook Foreshore	Local Foreshore	Esplanade South	Donnybrook	4.4ha
Alice Street Park	Local Recreation	Alice Street	Donnybrook	0.9ha
Starr Park	Local Recreation	Mary Street	Donnybrook	0.2ha
Total				6.9ha



MAP 40 - DONNYBROOK EXISTING PARKS

11.4 Donnybrook accessibility analysis

Accessibility to local recreation and other local parks is relatively good in Donnybrook. Map 42 indicates that most properties within the village are within a 600m walk of a local recreation park.



MAP 41 - DONNYBROOK ACCESSIBILITY MAP

11.5 Catchment analysis - Donnybrook

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 49, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 47 above.

TABLE 49 - LAND PROVISION ANALYSIS

Donnybrook	2016	2021	2026	2031	2036	Ultimate
Population	694	759	891	1,024	1,109	1,213
Land required to meet DSS (ha)	0.69	0.76	0.89	1.02	1.11	1.21
Current supply (ha)	0.69	0.69	0.69	0.69	0.69	0.69
Balance (ha)	0.00	-0.07	-0.20	-0.33	-0.42	-0.52

11.6 Donnybrook Recommendations for public parks solutions

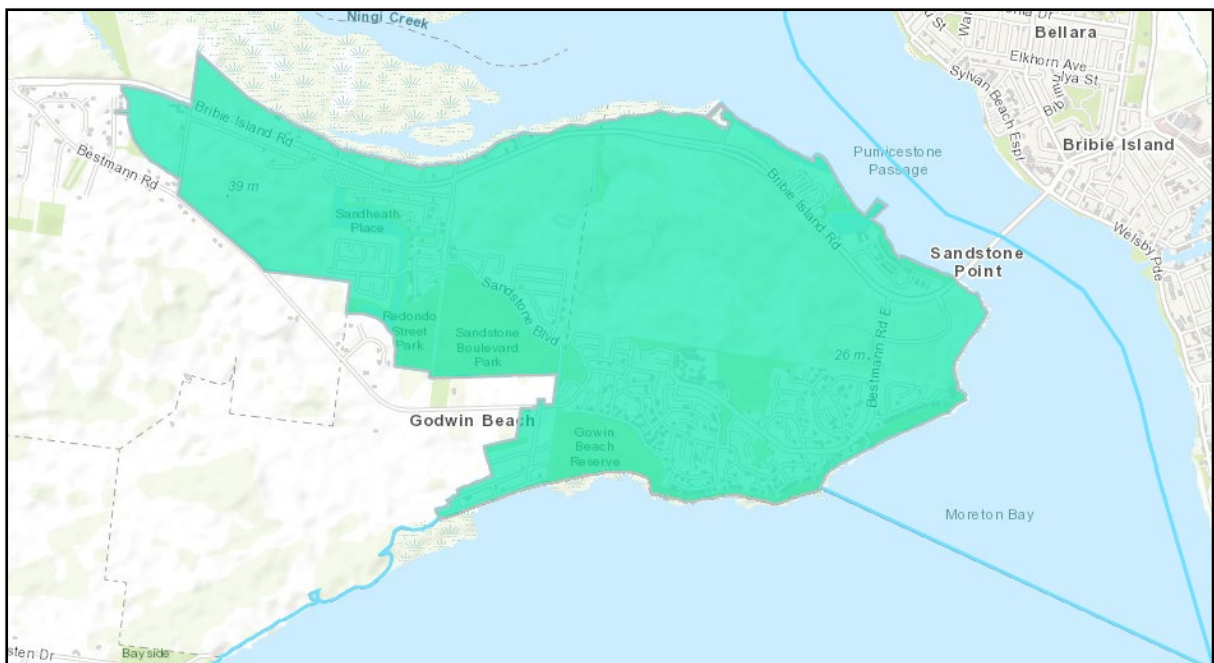
Some upgrading of parks within the village are required including the upgrade of Alice Street Park.

12 Local Catchment - Sandstone-Ningi - Local Recreation Analysis

12.1 Sandstone-Ningi Profile Summary

The Sandstone-Ningi local area is predominantly a developing residential area with the natural features of Pumicestone Passage and the coastal foreshores of Sandstone Point and Ningi. The local area is bordered by the Pumicestone Channel in the north and east, Deception Bay in the south and Bestmann Road to the west. The area is primarily characterised by its natural features and coastal neighbourhoods.

Some of the major features in the area include the Spinnaker Sound Marina, Sandstone Point Sport and Recreation Complex, Ningi Recycling and Landfill Centre, Silver Shores Caravan Park and parts of Moreton Bay Marine Park and Pumicestone Passage Marine Park.



MAP 42 - SANDSTONE-NINGI LOCAL CATCHMENT

12.2 Sandstone-Ningi population growth assumptions

The population assumptions for Sandstone-Ningi local catchment are shown in Table 48.

TABLE 50 - SANDSTONE-NINGI LOCAL CATCHMENT POPULATION ASSUMPTIONS

SANDSTONE - NINGI	2016	2021	2026	2031	2036	Ultimate
Population	6,864	7,833	8,503	8,791	9,092	9,324
Population 5-year growth	744	969	670	288	300	2,460
5-year growth Percentage	12.2%	14.1%	8.6%	3.4%	3.4%	35.8%

12.3 Sandstone-Ningi current supply of Local Recreation parks

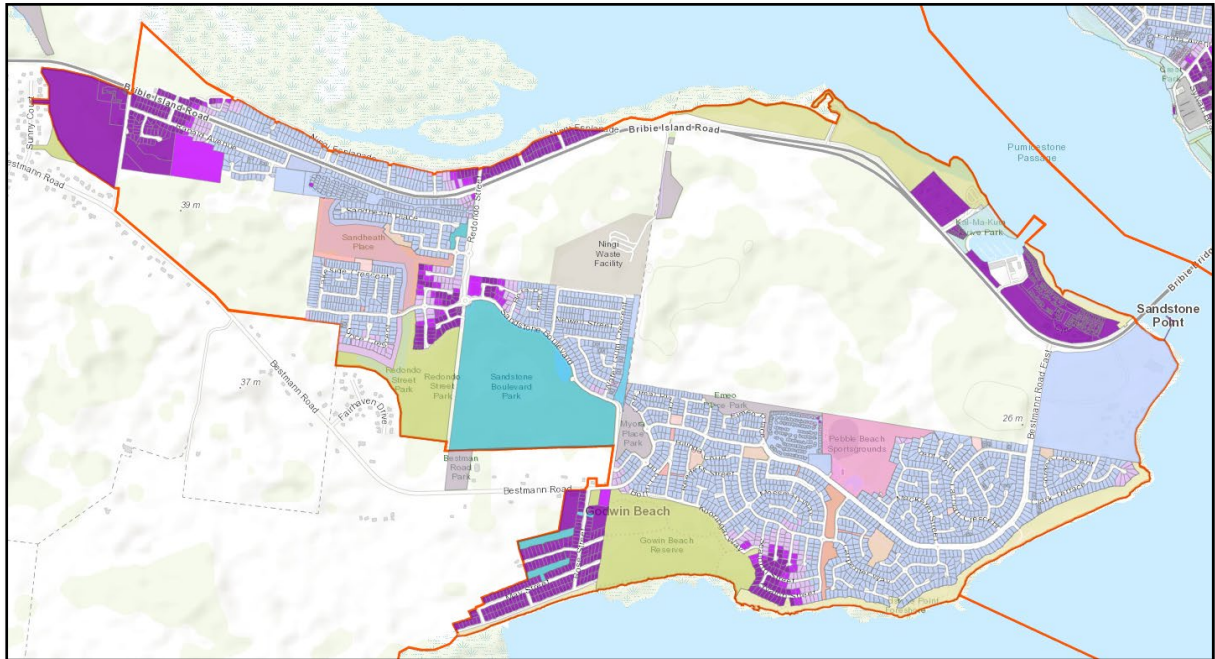
The existing supply of local recreation parks within the Sandstone-Ningi local catchment is shown in Table 51.

TABLE 51 - SANDSTONE-NINGI CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park	Classification	Address	Suburb	Area m ²
Godwin Beach Esplanade	Local Foreshore	Esplanade	GODWIN BEACH	14,821
Sandstone Point Foreshore	Local Foreshore	Oxley Place	SANDSTONE POINT	140,025
Newell Street	Local Recreation	Newell Street	NINGI	1,976
Aird St Park	Local Recreation	Bestmann Road	SANDSTONE POINT	2,930
Lachlan Crescent Park (South)	Local Recreation	Lachlan Crescent	SANDSTONE POINT	1,103
Gordon Crescent Park	Local Recreation	Gordon Crescent	SANDSTONE POINT	3,158
Theo Green Park	Local Recreation	Bribie Island Road	NINGI	8,986
Lachlan Crescent Park (North)	Local Recreation	Lachlan Crescent	SANDSTONE POINT	3,120
Cremorne Court Park	Local Recreation	Cremorne Court	SANDSTONE POINT	5,088
Tallow Court Park	Local Recreation	Bestmann Road	SANDSTONE POINT	6,828
Bestmann Road East Reserve	Local Recreation	Bestmann Rd East	SANDSTONE POINT	17,028
Lakeside Crescent Park -	Local Recreation	Lakeside Crescent	NINGI	4,464
Sandheath Place	Local Recreation	Sandheath Place	NINGI	4,799
Sandstone Point Sports Ground	Local Sports	Bestmann Rd East	SANDSTONE POINT	132,554
Total area of local recreational parks				34.6ha

12.4 Sandstone-Ningi Accessibility analysis

Accessibility for Sandstone -Ningi is shown in Map 43 and highlights that while some areas are beyond the 600m accessibility to a local recreation park, these areas are catered for with foreshore parks or a range of conservation or other park areas. Embellishment of existing parks in this area should be considered in terms of amenity offered to residents of these areas.



MAP 43 - ACCESSIBILITY SANDSTONE-NINGI

12.5 Sandstone - Ningi Catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 52, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 50.

TABLE 52 - SANDSTONE- NINGI LAND PROVISION ANALYSIS

SANDSTONE / NINGI	2016	2021	2026	2031	2036	Ultimate
Population	6,864	7,833	8,503	8,791	9,092	9,324
DSS	6.86	7.83	8.50	8.79	9.09	9.32
Current Supply (ha)	34.7	34.7	34.7	34.7	34.7	34.7
Balance (ha)	27.84	26.87	26.20	25.91	25.61	25.38

The land provision calculations for Sandstone Point-Ningi local catchment show a clear surplus of 25.4ha.

12.6 Sandstone Point- Ningi recommendations for public parks solutions

Table 53 lists the local park recommendations for the local catchment of Sandstone-Ningi.

TABLE 53 - SANDGATE - NINGI PUBLIC PARK SOLUTIONS

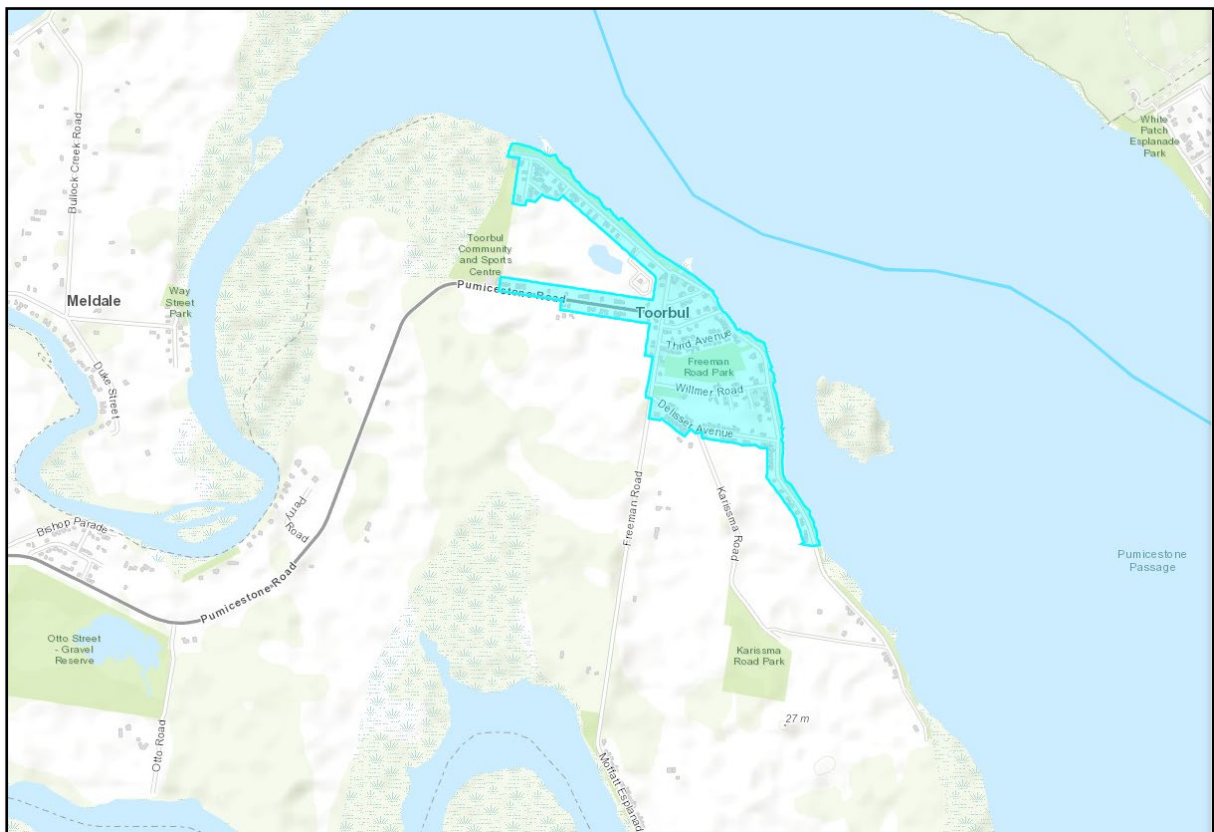
Item ID	Park	Classification	Solution
OS-70	Goodwin Beach Esplanade	Local foreshore	Upgrade
OS-112	Bestmann Road East Park	Local recreation	Upgrade

Note there are no new parks nominated for this catchment however project OS-112 is to be relocated to Sandstone point sportsground as there are difficulties implementing at its previous location.

13 Local Catchment - Toorbul - Local Recreation Analysis

13.1 Toorbul local catchment profile summary

The Toorbul local area is located south of the Pumicestone Passage and north of Meldale. It is also within a 20km drive from Caboolture (see Map 44). Toorbul is primarily characterised by its coastal environment and low-density housing. It provides access to coastal walkways and parks along the esplanade as well as the recreational opportunities of Pumicestone Passage. It relies on neighbouring towns for access to employment, shopping and services. The area is likely to be impacted by the effects of climate change including sea level rise and extreme weather events.



MAP 44 - TOORBUL LOCAL CATCHMENT AREA (HIGHLIGHTED)

13.2 Toorbul population growth assumptions

The population assumptions for the Toorbul local catchment are shown in Table 54.

TABLE 54 - TOORBUL LOCAL CATCHMENT POPULATION ASSUMPTIONS

Toorbul	2016	2021	2026	2031	2036	Ultimate
Population	846	861	878	892	906	923
Population growth over 5-year interval	10	14	17	14	15	77
Population growth as percentage	1.2%	1.7%	2.0%	1.6%	1.6%	9.1%

13.3 Toorbul current supply of Local Recreation Parks

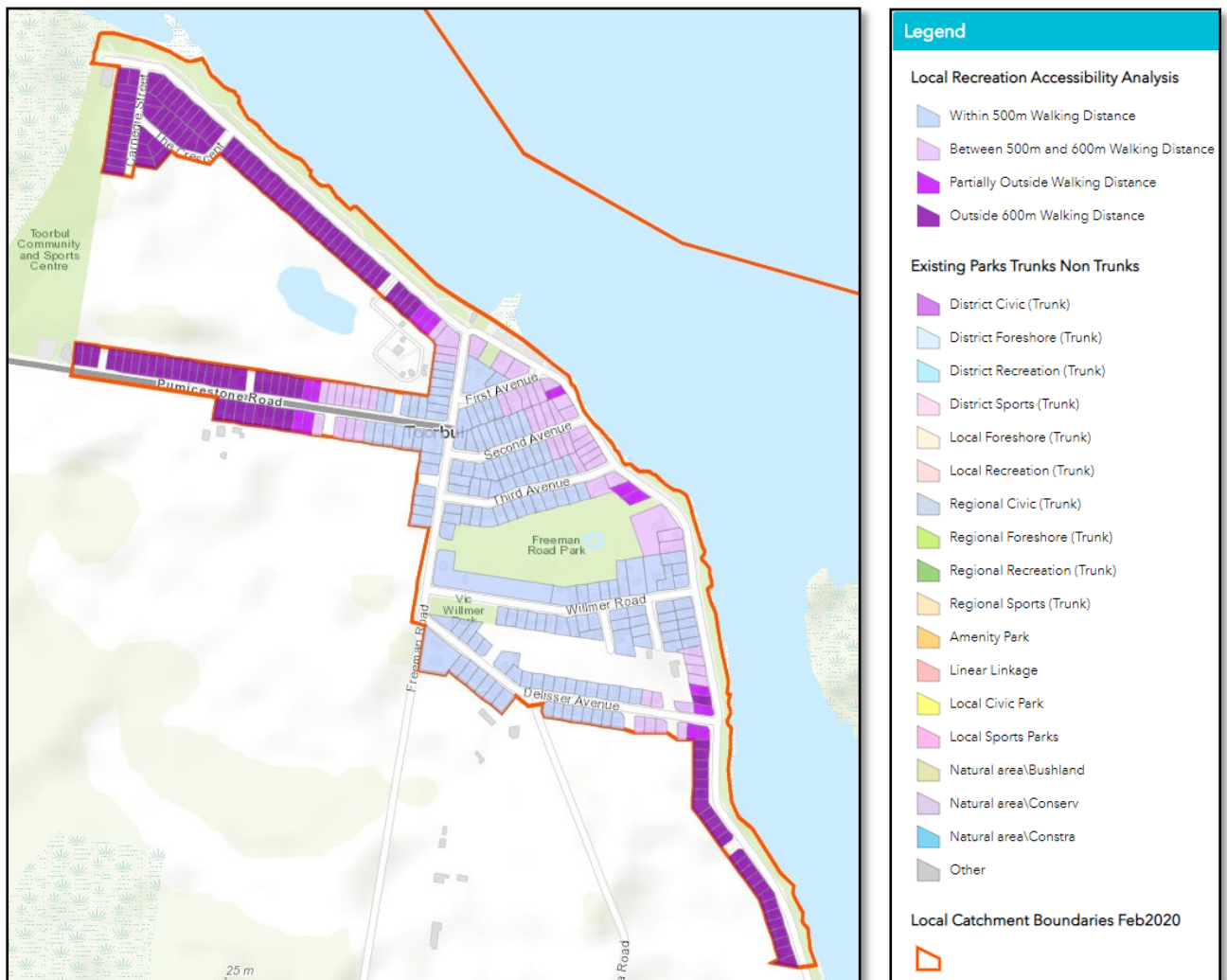
The existing supply of local recreation parks within the Toorbul local catchment are shown in Table 55. There are two parks being Toorbul Esplanade foreshore park and Vic Williams Park.

TABLE 55 - CURRENT SUPPLY OF LOCAL RECREATION PARKS IN TOORBUL CATCHMENT

Park name	Type	address	Suburb	Area m2
Toorbul Esplanade	Local recreation Foreshore park	Toorbul Esplanade	Toorbul	28066m2
Vic Willmer Park	Local recreation	Freeman Road	Toorbul	4192m2

13.4 Toorbul accessibility analysis

Accessibility to local recreation parks at Toorbul is somewhat limited as shown in the following map, however it is noted that area with limited access to local recreation parks have ready access to the Toorbul esplanade foreshore parks.



MAP 45 - ACCESSIBILITY IN TOORBUL LOCAL CATCHMENT

13.5 Toorbul local catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 56, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 54 - Toorbul Local Catchment Population Assumptions.

TABLE 56 - TOORBUL LAND PROVISION ANALYSIS

Toorbul	2016	2021	2026	2031	2036	Ultimate
Population	846	861	878	892	906	923
Supply needed to meet DSS (ha)	0.85	0.86	0.88	0.89	0.91	0.92
Current supply (ha)	3.22	3.22	3.22	3.22	3.22	3.22
Excess or shortfall analysis (ha)	2.37	2.36	2.34	2.33	2.31	2.30

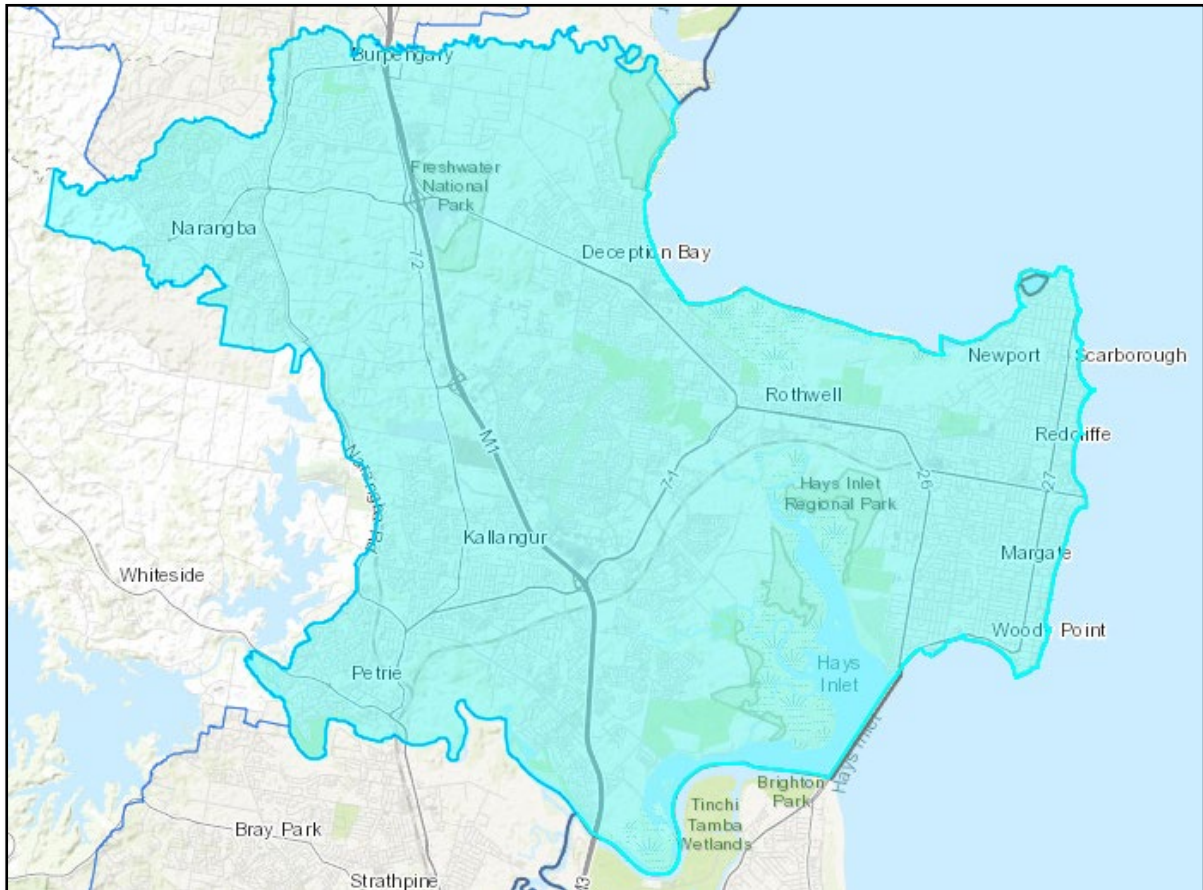
13.6 Toorbul - recommendations for public parks solutions

Table 57 outlines the upgrades required within three of Toorbul's public parks to bring them up to the desired standard of service.

TABLE 57 - PUBLIC PARK SOLUTIONS TOORBUL

Reference	Park name	Park type
OS-12	Toorbul Community and Sports Centre	District Sporting Facility
OS-109	Toorbul Esplanade (Foreshore) (North)	Local Park - Foreshore
OS-110	Toorbul Esplanade (Foreshore) (South)	Local Park - Foreshore

NORTH LAKES - REDCLIFFE - MORETON BAY RAIL CORRIDOR



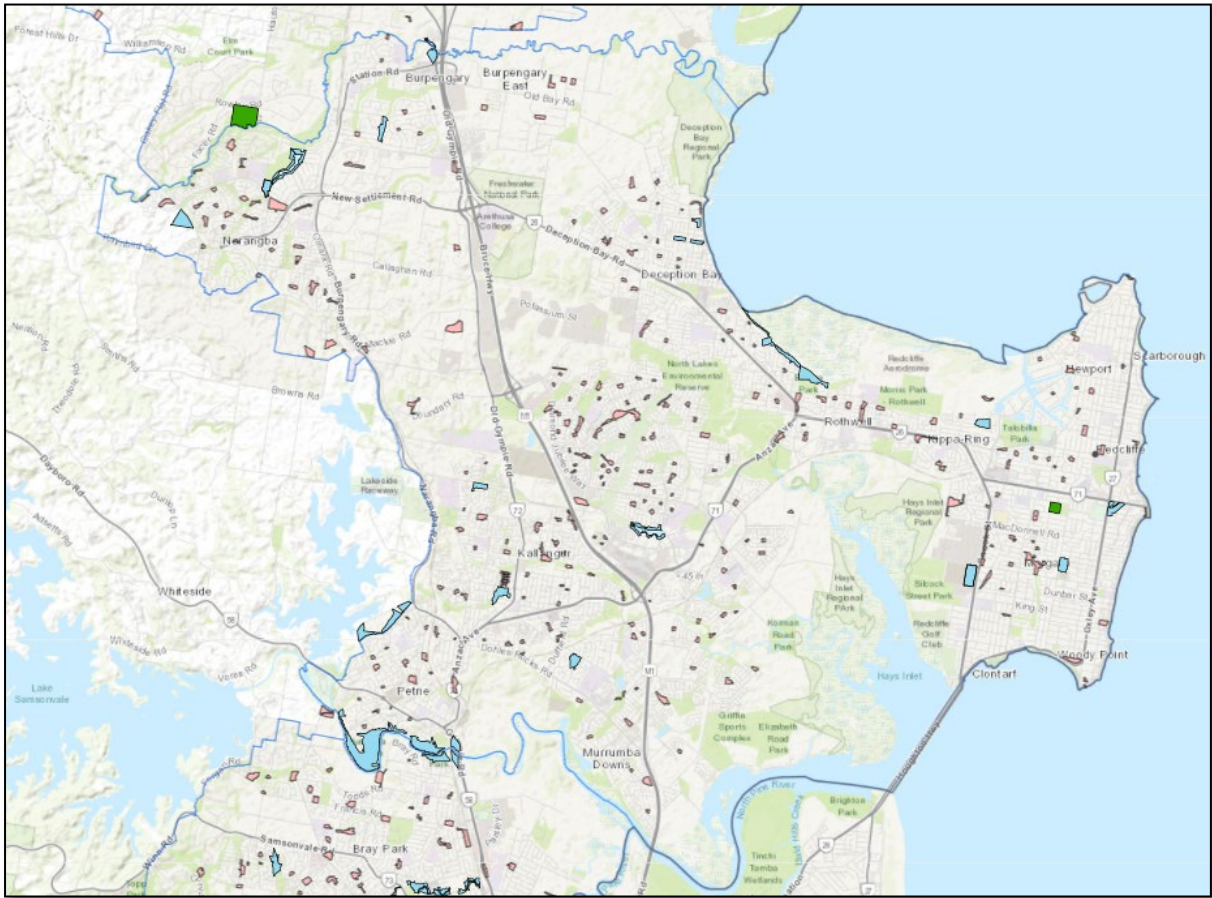
14 District Catchment: North Lakes, Redcliffe, Moreton Bay Rail Corridor

14.1 North Lakes, Redcliffe, Moreton Bay Rail Corridor Profile Summary

The North Lakes, Redcliffe and Moreton Bay Rail Corridor district includes the suburbs of Redcliffe, Rothwell, Mango Hill, North Lakes, Griffin, Deception Bay, Murrumba Downs, Kallangur and Dakabin. The district is large, predominantly urban, and consists of a broad mix of distinct communities. Over the past 15 to 20 years this catchment has seen the greatest quantum of growth in the region.

The communities within the district vary considerably, from the residential suburbs of Murrumba Downs and Kallangur in the west to Redcliffe, an established coastal centre with great quality recreation and sporting facilities in the east. The large wedge of suburbs between Kallangur and Redcliffe are dominated by broad scale residential land subdivision and the commercial centre of North Lakes - Mango Hill. These suburbs have experienced some of the fastest growing suburbs in Australia, putting strain on infrastructure provision.

To the north new residential areas are emerging from the rural and rural residential patchwork of communities that previously separated the former local government areas.



MAP 46 - NORTH LAKES - REDCLIFFE - MORETON BAY RAIL CORRIDOR DISTRICT CATCHMENT

The development of the Moreton Bay Rail Corridor (MBR Corridor) has seen the further development of this catchment. It is anticipated that the infill and higher density development of this corridor will continue beyond the development of the broad scale residential land subdivisions that will dominate development in this catchment over the next 10 years. This will present challenges in the provision of parks at a per capita ratio if planning for the ultimate level of develop is not considered early and sufficient area set aside to meet future demand. This is particularly relevant for district and regional recreation, sports as well as civic spaces and local recreation in areas of increased density.

14.2 North Lakes, Redcliffe, Moreton Bay Rail Corridor population growth assumptions

The population assumptions for a district reflect the planning directions outlined in Council's Strategic Framework. Table 58 identifies that the population growth of the North Lakes-Redcliffe-Moreton Bay Rail Corridor from 2016 is projected to have an additional 88,580 residents by 2036. This represents 50% the total growth for the Moreton Bay Region.

TABLE 58 - NORTH LAKES, REDCLIFFE, MORETON BAY RAIL CORRIDOR DISTRICT POPULATION ASSUMPTIONS

North Lakes, Redcliffe, Rail Corridor	2016	2021	2026	2031	2036	Ultimate
Population	195,632	221,009	242,401	265,124	284,212	349,508
Population increase in five-year period		25,377	21,392	22,723	19,088	65,296
Moreton Bay Region	439224	485,398	529,736	574,770	614,908	814,966
Percentage of Moreton Bay Region Population	45%	46%	46%	46%	46%	43%

14.3 North Lakes, Redcliffe, Moreton Bay Rail Corridor current supply of District Recreation parks

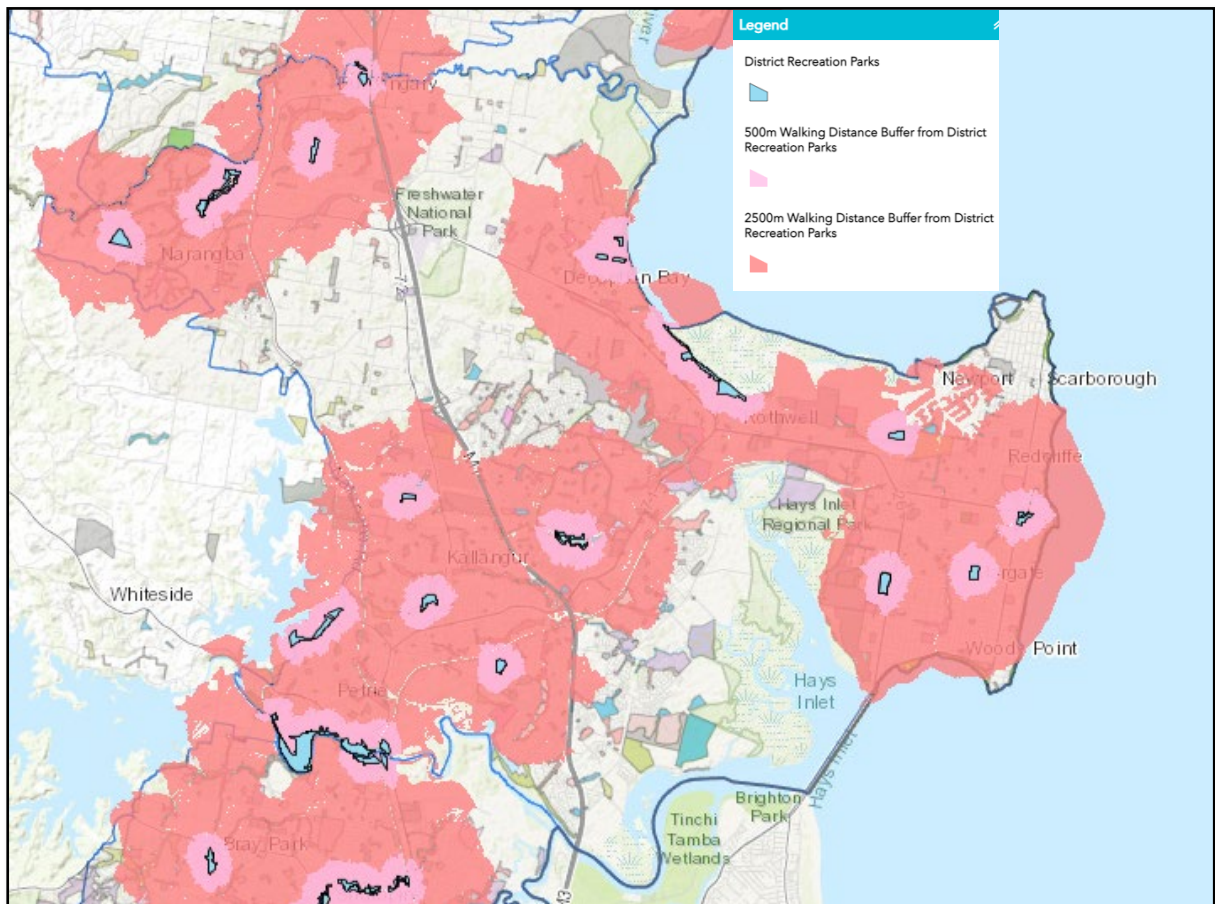
The existing supply of District Recreation parks within this catchment are shown in Table 59.

TABLE 59 - CURRENT SUPPLY OF DISTRICT RECREATION PARKS

Public parks Type	Public parks Name	Area (ha)	Total (ha)	LGIP Item
Regional Civic	North Lakes Town Common	0.64	0.64	
Local Civic	Petrie Place	0.48	0.48	
District Recreation	Apex Park (Deception Bay) - Emerald Avenue	1.51	130.97	
	Barry Bolton Park	4.31		EMB
	Blatchford Park - Alana Street Murrumba Downs	4.06		
	Boama Park -122 Coman Street North, Rothwell	2.65		
	Buchanan Park - 73 Morayfield Road Burpengary	4.52		
	Carramar Reserve - 69 Alma Road Dakabin	2.88		EMB
	Capestone Lake - (to be finalised)	16.7		
	Corscadden Park including Youth Space park	4.65		
	Deception Bay Community Centre - 2 Raymond Terrace, Deception Bay	1.83		
	Deception Bay Library - 9 Bayview Terrace, Deception Bay	1.42		
	Jim McGahey Park	9.10		
	Kurwongbah Park	12.42		
	Kroll Gardens - 257 Duffield Road, Clontarf	7.83		
	Melaleuca Lakes and Parklands - Discovery Drive North Lakes	8.06		
	Mungarra Reserve (Should this be a Regional Park noting size)	38.15		
	Newport Park - Griffith Road Newport	4.13		
	Norfolk Lakes Park - Narangba	14.05		
	<i>Harris Park link to Norfolk Lakes - and road reserve area</i>	4.1		
	North Lakes Town Park (Lake Eden)- Lochside Drive North Lakes	10.93		
	Sweeney Reserve (link to Mungarra Reserve)	11.29		
	Symphony Crescent Park - 63 Fernando Street Burpengary	4.26		EMB
	Wyllie Park - Gympie Road Petrie	3.51		
	Captain Cook Parade Park - 2 Captain Cook Parade Deception Bay	3.32		EMB
District Foreshore	Esplanade Park - Esplanade Deception Bay	1.20	4.52	
	Wallin Family Park			

14.4 North Lakes, Redcliffe, Moreton Bay Rail Corridor accessibility analysis

Accessibility varies across this district catchment. The following series of maps highlights the areas where accessibility is limited or deficient. It is noted that emerging areas like Dakabin will require further district level parks to meet accessibility requirements and there are some areas within Griffin which also show a low level of accessibility. The district accessibility standard 2.5km and 3.5km for Rural Residential and Employment and Enterprise areas. The level of accessibility desired for local level parks is 400m radius, this matches the new standards in both the IPWEAQ's Street Design Manual: Walkable Neighbourhoods and the QLD State government's Model Code for Neighbourhood Design.



MAP 47 - NORTH LAKES, REDCLIFFE, MORETON BAY RAIL CORRIDOR ACCESSIBILITY - DISTRICT RECREATION PARKS

The Redcliffe peninsula is supplied with a series of linear foreshore parks which provide access to the water and support the local amenity of the area. These parks are highly valued both as local assets and as tourism attractions. The embellishment of these parks relates to the hierarchy and classification afforded them. Increased population density will put further pressure on the supply of parks within this catchment and ensure existing parks are adequate embellished and supported is a significant means of meeting the future demand of the growing community. There are limited opportunities to secure additional land within the area.

14.5 North Lakes, Redcliffe, Moreton Bay Rail Corridor catchment analysis

The desired standards of service outline a target of 0.6 hectare of land for district recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 60, this catchment has sufficient district level parks to meet the need to 2036, however it is noted that for the zoned and projected growth to an ultimate scenario that the area would have a significant deficit of 35.82 hectares. Understanding the ultimate deficit and the means of addressing the shortfall is relevant to the landuse planning and infrastructure provision of the future.

TABLE 60 - NORTH LAKES, REDCLIFFE, MORETON BAY RAIL CORRIDOR LAND PROVISION ANALYSIS DISTRICT RECREATION PARKS

North Lakes, Redcliffe, Rail Corridor	2016	2021	2026	2031	2036	Ultimate
Population	195,632	221,009	242,401	265,124	284,212	349,508
Supply needed to meet DSS (ha)	144.21	173.88	173.88	173.88	173.88	173.88
Current Supply	117.38	132.61	145.44	159.07	170.53	209.70
Excess or shortfall analysis	26.83	41.27	28.44	14.81	3.35	-35.82

14.6 North Lakes, Redcliffe, Moreton Bay Rail Corridor Sports Parks

Table 61 demonstrates the shortfall in District sports park provision for the North Lakes, Redcliffe and Moreton Bay Rail Corridor, calculated as a deficit of 139.37ha in 2036.

TABLE 61 NORTH LAKES REDCLIFFE MORETON BAY RAIL CORRIDOR - DISTRICT SPORTS PARK DEMAND

North Lakes Redcliffe MBR Corridor	2016	2021	2026	2031	2036	Ultimate
Population	195,632	221,009	242,401	265,124	284,212	349,508
Supply to meet demand (ha)	156.51	176.81	193.92	212.10	227.37	279.61
Current supply (ha)	88	88	88	88	88	88
Shortfall (ha)	-68.51	-88.81	-105.92	-124.10	-139.37	-191.61

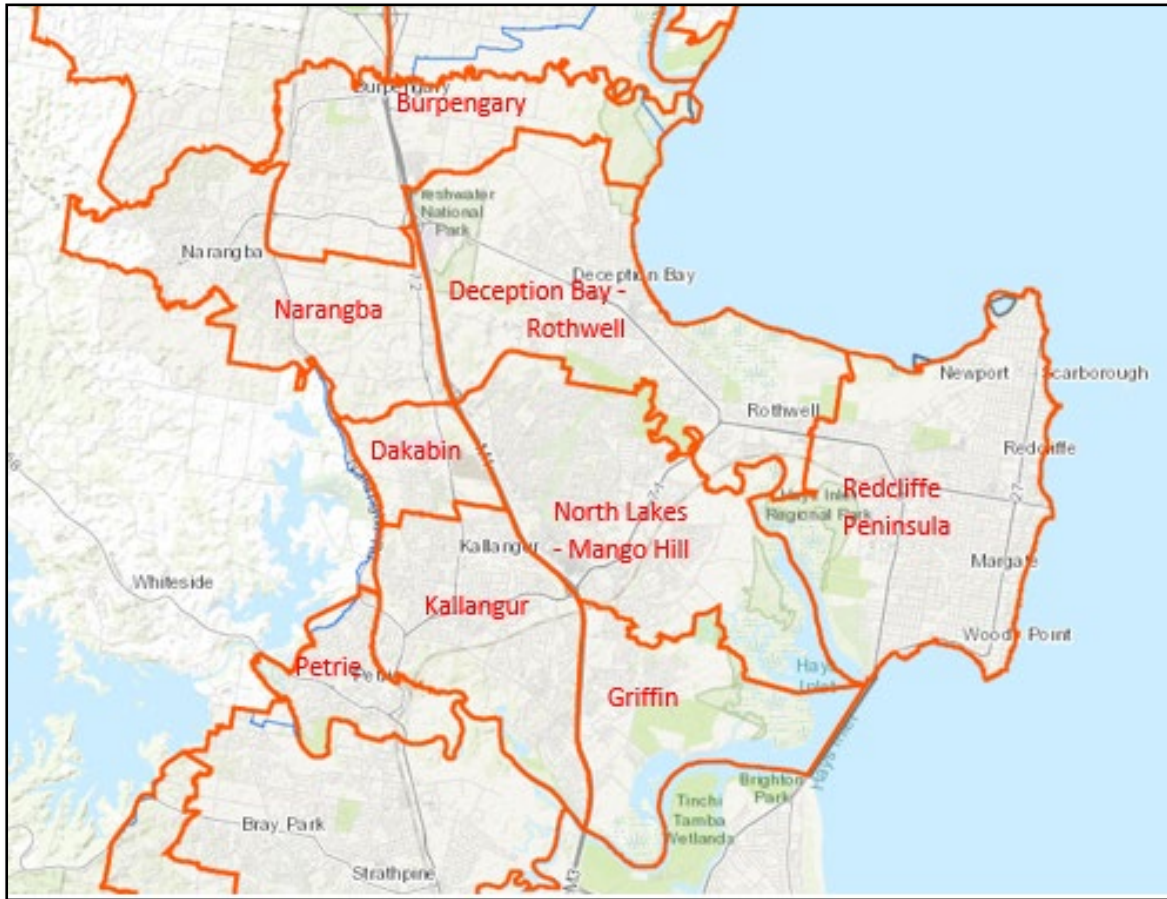
14.7 North Lakes, Redcliffe, Moreton Bay Rail Corridor recommendations for public parks solutions

The following recommendations (Table 62) are made for public parks within this catchment, they consider the recommendations of the Urban Recreation Plan and the Interim Sports Facility Plan as well as updated network planning.

TABLE 62 - NORTH LAKES, REDCLIFFE, MORETON BAY RAIL CORRIDOR RECOMMENDATIONS FOR DISTRICT PARKS

ID	Park	Hierarchy	Project
OS-01	Barry Bolton Park	District Recreation	Upgrade
OS-06	Kroll Gardens	District Recreation	Upgrade
OS-07	Bob Brock Park	District Sport	Upgrade
OS-08	North Lakes District Sport	District Sport	Upgrade
OS-16	Deception Bay Community Centre	District Recreation	Upgrade
OS-25	Margate District Civic	District Civic	Investigation
OS-35	Dakabin District Recreation	District Recreation	New Land & Embellishment
OS-49	Reserve (Anzac Avenue) - Kallangur	District Civic	Investigation
OS-51	Redcliffe Showgrounds	District Sport	Upgrade
OS-52	Narangba Sport and Recreation Complex	District Sport	Upgrade

Local Catchments within North lakes - Redcliffe - MBR Corridor District



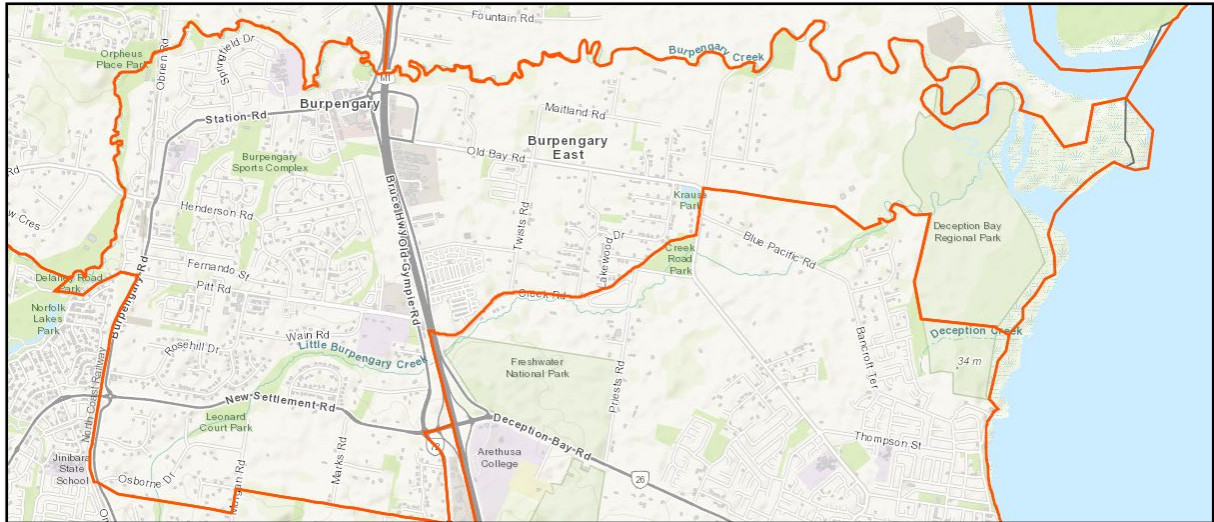
MAP 48 - LOCAL CATCHMENTS WITHIN DISTRICT

15 Local Catchment - Burpengary - Local Recreation Analysis

15.1 Burpengary Profile Summary

The Burpengary local area is a growing residential area, with a mix of commercial and industrial precincts. Rural and rural residential suburbs exist on the edges and in the east of the local area, providing for rural lifestyles and agricultural practices. The Burpengary East area is beginning to experience further residential development. Burpengary is bordered by Burpengary Creek in the north, Deception Bay in the east, Rothwell-Narangba in the south and the train line in the west. The Bruce Highway intersects the middle of the suburb see Map 49.

Some of the major features in the local area include Burpengary Plaza Shopping Centre, Burpengary Central Shopping Centre, Burpengary Sports Ground, Caboolture Regional Environmental Education Centre, Burpengary Equestrian Centre, Burpengary Hall and O'Brien Environmental Reserve.



MAP 49 BURPENGARY CATCHMENT BOUNDARY

15.2 Burpengary population growth assumptions

The population assumptions for Burpengary local catchment are shown in Table 63, they reflect the planning assumptions based on the strategic planning framework for the area.

TABLE 63 - BURPENGARY LOCAL CATCHMENT POPULATION ASSUMPTIONS

Burpengary	2016	2021	2026	2031	2036	Ultimate
Population	11,944	13,493	15,528	16,622	18,274	24,712
Population growth from previous five years	728	1,548	2,035	1,094	1,652	12,768
Percentage growth five-year period	6.5%	13.0%	15.1%	7.0%	9.9%	58.0%

15.3 Burpengary current supply of Local Recreation parks

The existing supply of local recreation parks within the Burpengary local catchment are shown in Table 64.

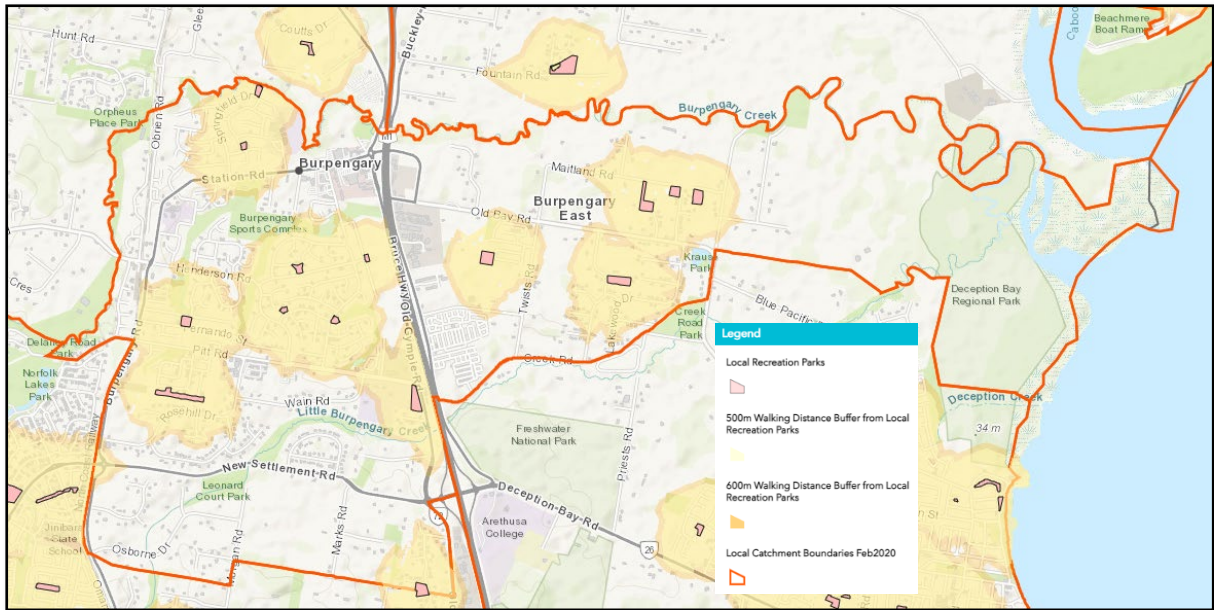
TABLE 64 - BURPENGARY CURRENT SUPPLY OF LOCAL RECREATION PARKS

Name	Address	Suburb	Area in m ²
Lions Park (Burpengary)	11 Eleanor Street	Burpengary	2,637 m ²
CR Ernie Svenson Park	80 Springfield Drive	Burpengary	4,104 m ²
Park 42 Feltham Road	42 Feltham Circuit	Burpengary	9,951 m ²
Reiner Road Park	Reiner Road	Burpengary	1,986 m ²
Dean Drive Reserve	44 Dean Drive	Burpengary	9,498 m ²
Mirra Street Park	28 Crendon Street	Burpengary	6,280 m ²
Hedges Avenue Park	47 Hedges Avenue	Burpengary	17,488 m ²
Ruth McDonald Park	29 Rossini Street	Burpengary	4,368 m ²
Wally Day Park	7 Torelli Drive	Burpengary	2,448 m ²
Briston Avenue Park	41 Briston Avenue	Burpengary East	6,980 m ²
Maitland Road Park	170 Maitland Road	Burpengary East	9,189 m ²
Pitt Road Park	220 Pitt Road	Burpengary	13,666 m ²
Muriel Court Park	122 Maitland Road	Burpengary East	13,434 m ²
Caccini Court Park	Caccini Court	Burpengary	3,189 m ²
TOTAL LOCAL RECREATION			105,219m ² 10.52ha

Burpengary has 14 local recreation parks with a total area of local recreation parks of 10.52 hectares. The majority of these are in the Burpengary suburban area with three parks located in the Burpengary East. The parks in Burpengary east have several issues in relation to their general accessibility and meeting the established desired standards of service (DSS), this area is predominantly rural residential in character, although it is zone Emerging community - Transition precinct and is already experiencing some development pressure for urban development. This early development will require the provision of local recreation parks, the detail of which has not been finalised at this premature stage.

15.4 Burpengary Accessibility analysis

Walkability mapping (Map 50) indicates gaps in the provision of park area within the Burpengary catchment. The following map illustrates these gaps, highlighting the areas that have more than 500m walking distance to recreation and sports parks.



MAP 50 ACCESSIBILITY MAP BURPENGARY - LOCAL RECREATION PARKS

15.5 Burpengary catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 65, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 63 above.

TABLE 65 - LAND PROVISION ANALYSIS BURPENGARY LOCAL CATCHMENT

BURPENGARY	2016	2021	2026	2031	2036	Ultimate Demand
Population	11,944	13,493	15,528	16,622	18,274	24,712
Local Recreation Demand ha	11.9	13.5	15.5	16.6	18.3	24.7
Existing Supply	10.52	10.52	10.52	10.52	10.52	10.52
Balance	-1.4	-3.0	-5.0	-6.1	-7.8	-14.2

Table 64 demonstrates that there is a shortfall in the provision of Local recreation parks across the catchment. This is a variation from the LGIP1 calculations which showed current supply was satisfactory. The difference is the re-classification of parks which on review were entirely flood prone and not suitable for the development of the park for use and embellishment. While these parks are retained within Council's network, they do not meet the definition of the Local recreation park and do not provide the level of amenity expected of a trunk park within the LGIP network.

It is noted that some of the growth of the catchment will be in the East where new local parks will be developed in conjunction with development as it occurs. This area is outside the current Priority Infrastructure Area (PIA) and therefore future parks are not noted within the LGIP.

15.6 Burpengary recommendations for public parks solutions

Between the linear park networks improving the amenity and walking trail access as well as making up for the shortfall in the catchment.

15.7 Burpengary Schedule of Works for Public Parks

The following items Table 66 are listed for inclusion in the LGIP Schedule of works to meet the needs of the Burpengary local area catchment.

TABLE 66 - BURPENGARY SOLUTIONS TABLE

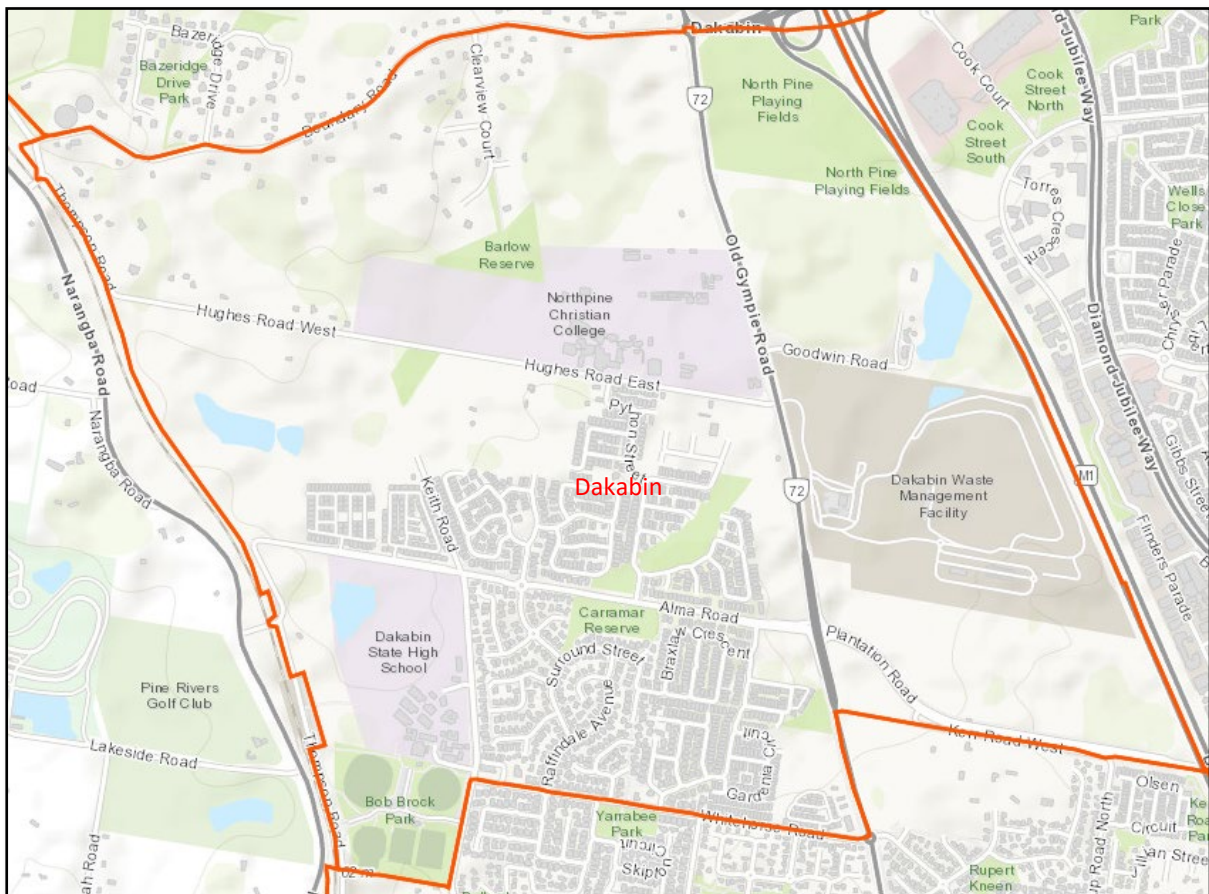
Reference	Catchment	Park	Type	Timeframe
OS - 61	North Lakes, Redcliffe, Moreton Bay Rail Corridor	Burpengary District Civic	District Civic	Investigation

16 Local Catchment - Dakabin - Local Recreation Analysis

16.1 Dakabin Profile Summary

The Dakabin local area is situated between the suburbs of Kallangur and Narangba, along the northern growth corridor. The area contains residential, urban and rural land uses (Map 51). It contains several large undeveloped parcels currently used as farmland and public parks. These lots are zoned general residential in the Next Generation Precinct, Urban Neighbourhood Precinct, with some additional areas zoned Mixed Industry and Business Precinct. There have been several recent residential developments of larger parcels in the area, including multiple dwelling and smaller lot subdivisions. Dakabin is situated in proximity to Lake Kurwongbah, the major commercial centre at North Lakes and has access to the Bruce highway and the railway line.

Some of the major features in the area include Dakabin Railway Station, Dakabin State High School, North Pine Christian College, the Dakabin waste disposal station and a caravan park.



MAP 51 - DAKABIN LOCAL CATCHMENT

16.2 Dakabin population growth assumptions

The population assumptions for the Dakabin local area catchment are shown in Table 67.

TABLE 67 - DAKABIN LOCAL CATCHMENT POPULATION ASSUMPTIONS

Dakabin	2016	2021	2026	2031	2036	Ultimate
Population	3,518	4,913	4,993	6,571	6,701	6,786
Increase over 5 years	2,150	1,396	79	1,579	130	3,268
% growth over 5 years	157%	40%	2%	32%	2%	49% growth from 2016

16.3 Current supply of Local Recreation Parks

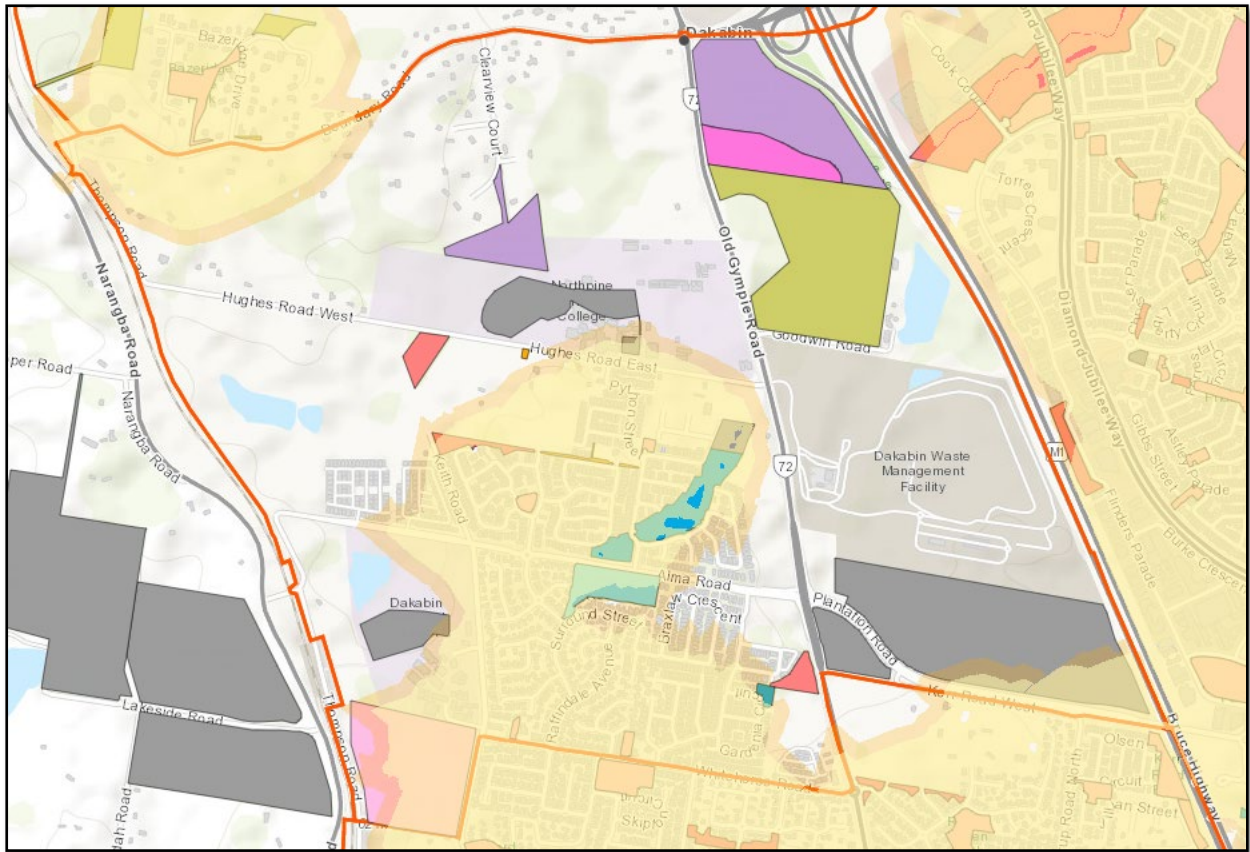
The existing supply of local recreation parks within this local catchment are shown in Table 68. There are only three local recreation parks with a total of 0.5ha.

TABLE 68 - CURRENT SUPPLY OF LOCAL RECREATION PARKS - DAKABIN LOCAL CATCHMENT

Park name	Park address	Land area (a)
Garrong Reserve	88 Whitehorse Road Dakabin	0.13
Essencia Park	13 Essencia Avenue Dakabin	0.28
Monitor Avenue Reserve	1 Monitor Avenue Dakabin	0.14
Total land area		0.55

16.4 Accessibility analysis

Map 52 highlights the accessibility to local recreation parks within the Dakabin local area catchment. It is noted that there are



MAP 52 WALKABILITY MAP - DAKABIN

16.5 Dakabin catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 67, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 67 above.

TABLE 69- LAND PROVISION ANALYSIS DAKABIN

Local Catchment	2016	2021	2026	2031	2036	Ultimate Demand
Population	3,518	4,913	4,993	6,571	6,701	6,786
Demand for local recreation	2.95	4.36	4.44	6.02	6.15	6.24
Current provision of local recreation	0.55	0.55	0.55	0.55	0.55	0.55
Balance of local recreation park require	-2.95	-4.36	-4.44	-6.02	-6.15	-6.24

16.6 Dakabin recommendations for public parks solutions

The deficit of location recreation parks is clear in the analysis. Approximately 6.15 additional hectares is required by 3036 and 6.24 hectares by the ultimate development of the Dakabin Local catchment. Table 70 identifies the existing LGIP items which address some of this shortfall, while table 5 includes new additional LGIP parks which should be added to the revised LGIP2 to meet the further needs of this catchment.

TABLE 70 - DAKABIN - RECOMMENDED SOLUTIONS

Reference	Park Type/ classification	Address	Comments and Status
OS-35	District recreation park	Keith Road	Adjustment of location of tag - generally same location, however a portion on either side of Keith Road Lot 2 SP3131821 Lot 6 RP96230 Lot9 SP200453 Including Road reserve Keith Road
OS-78	Local recreation park		Still required
OS-79	Local recreation park	Hughes Road East	Still Required 1ha+ Lot 1 RP80640
OS-77	Local recreation park	Old Gympie Road	Lot 2 RP79620
OS-07	District sport upgrade	Bob Brock park	
OS-2218	Local recreation park	Hughes Road West	1 ha required

TABLE 71 - LOCAL RECREATION PARK SOLUTIONS FOR DAKABIN

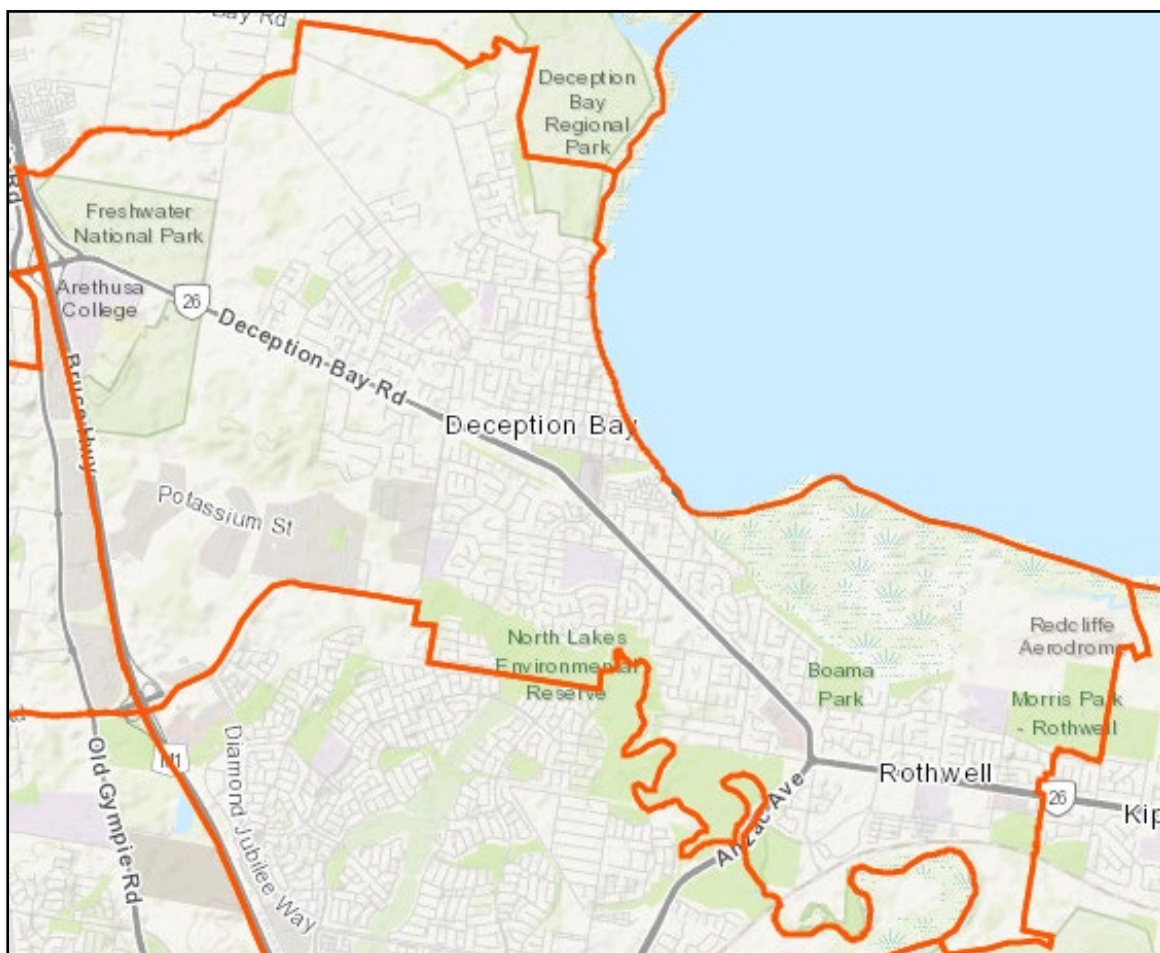
Park	LGIP1	Area m ²	Property description	Hierarchy
Future local recreation Hughes road east-Meerkat crescent	OS-79	10,000 m ²		Local recreation
Local Recreation Hughes Road	OS-78	10,000 m ²	Lot 1 SP311821	Local recreation
20 Hughes Road	New park project	5,000 m ²	Lot9 SP200453	Local recreation
		30,000 m²	Total Future Local Recreation	
Carramar Park -reclassify local recreation - NG/U precinct	Upgrade park	22,000 m ²	Lot 500 RP897123	Local recreation
Essencia Park	Upgrade park	2,797 m ²		Local recreation
Monitor Avenue Reserve	Upgrade park	1,399 m ²		Local recreation
Garrong Reserve	Upgrade park	1,347 m ²		Local recreation
Development application DA/38429/2019/V2M	OS-77 - Existing LGIP item	8,000 m ²	Lot 2 RP79620	Local recreation
		35,543 m²	Total future and existing local recreation	
Future District Recreation Park Dakabin	OS35	40,000 m²	Total District recreation	

17 Local Catchment - Deception Bay / Rothwell - Local Recreation Analysis

17.1 Deception Bay - Rothwell profile summary

The Deception Bay / Rothwell local area is situated between the suburbs of Burpengary in the north, Redcliffe in the east, North Lakes in the south and Narangba in the west. The area is also bounded by Deception Bay in the east and the Bruce Highway in the west. The local area consists of a mix of land uses, including residential areas, commercial and industrial land uses and outlying rural and rural residential areas.

Some of the major features in the local area include Freshwater National Park, Deception Bay Shopping Centre, Shaftesbury Citizenship Centre & Campus, Deception Bay Aquatic & Fitness Centre, Doug Ross Oval, Tee to Green Golf Driving Range, Deception Bay Community Hall, Zone One Shopping Centre, Redcliffe Aerodrome, Nathan Road Sports complex and Wetlands Reserve and George Morris Fields.



MAP 53 - LOCAL CATCHMENT AREA DECEPTION BAY ROTHWELL

17.2 Deception Bay - Rothwell population growth assumptions

The population assumptions for the Deception Bay/ Rothwell local catchment are shown in the table below - Table 71. The table demonstrates a total capacity for this catchment of 7922 more residents within existing zoned development capacity. The population projection from 2016 to 2036 shows an increase of 12% overall - an additional 3,396 residents.

TABLE 72 - DECEPTION BAY ROTHWELL LOCAL CATCHMENT POPULATION ASSUMPTIONS

DECEPTION BAY / ROTHWELL	2016	2021	2026	2031	2036	Ultimate population
Population	26,473	27,202	27,612	28,829	29,869	34,395
Population increase in 5-years	954	729	411	1,217	1,040	7922
Percentage growth over 5 years	3.7%	2.8%	1.5%	4.4%	3.6%	29.9%

17.3 Deception Bay - Rothwell Current supply of Local Recreation Parks

The existing supply of local recreation parks within this local catchment are shown in Table 72.

TABLE 73 - CURRENT SUPPLY LOCAL RECREATION AND SPORTS PARKS DECEPTION BAY AND ROTHWELL

Park	Classification	Address	Suburb	Area m2
Antigua Crescent Reserve	Local Foreshore	Antigua Crescent	Deception Bay	72,238
Dame Annabelle Rankin Park	Local Recreation	Lanham Road	Deception Bay	4,248
Leslie Slaughter Park	Local Recreation	Neptune Court	Rothwell	3,901
Fern Street Park	Local Recreation	Fern Street	Deception Bay	949
Plover Park	Local Recreation	Wagtail Drive	Deception Bay	6,810
Mariner Boulevard Park	Local Recreation	Mariner Boulevard	Deception Bay	3,292
Tacoma Park	Local Recreation	McKillop Street	Rothwell	14,083
Bonton Avenue Park	Local Recreation	George Street	Deception Bay	10,494
Water Buchanan Reserve	Local Recreation	Kabi Circuit	Deception Bay	6,765
Billabong Place Park	Local Recreation	Billabong Place	Deception Bay	11,855
Dobell Park	Local Recreation	Dobell Street	Rothwell	9,739
Peter Morris Park	Local Recreation	Gynther Road	Rothwell	1,086
Leonie Street Park	Local Recreation	Leonie Street	Deception Bay	8,321
Clough Court Park	Local Recreation	Clough Court	Deception Bay	1,516
Kerwalli Street Park	Local Recreation	Kerwalli Street	Deception Bay	7,231
Murray Drive Park	Local Recreation	Murray Drive	Deception Bay	1,175
Bridcroft Court Park	Local Recreation	Bridcroft Court	Deception Bay	4,422
Doman Court Park	Local Recreation	Doman Court	Deception Bay	558
Azalea Street (Lions Park)	Local Recreation	Azalea Street	Deception Bay	1,339
Dunstan Drive Park	Local Recreation	Dunstan Drive	Deception Bay	1,224
Skye Blue Park	Local Recreation	Bailey Road	Deception Bay	2,756
Daisy Park	Local Recreation	Sirene Crescent	Deception Bay	1,892
Kevin Street Park	Local Recreation	Kevin Street	Deception Bay	1,278
Woodland Street Park	Local Recreation	Woodland Street	Rothwell	15,059

McKillop Park	Local Recreation	Morris Road	Rothwell	20,186
Halamka Park	Local Recreation	Greene Street	Rothwell	9,535
Lion Bill Toon Park	Local Recreation	Cross Street	Deception Bay	5,349
Tysoe Street Park	Local Recreation	Monique Court	Deception Bay	4,934
Parsons Park	Local Recreation	Whitlock Drive	Rothwell	9,655
Bancroft Memorial Park	Local Recreation	Captain Cook Parade	Deception Bay	2,887
Wagtail Drive Park	Local Recreation	Wagtail Drive	Deception Bay	4,488
Fredan Road Park	Local Recreation	Bailey Road	Deception Bay	2,772
Bertie Dow Park	Local Recreation	Morris Road	Rothwell	4,441
Bancroft Terrace Park	Local Recreation	Captain Cook Parade	Deception Bay	6,628
Stanley Jones Reserve	Local Recreation	Hubner Drive	Rothwell	5,486
Parsons Boulevard Park	Local Recreation	Parsons Boulevard	Deception Bay	16,957
Coman Park	Local Recreation	Coman Street North	Rothwell	950
Huntington Street Park	Local Recreation	Aster Street	Deception Bay	7,496
Bayview Terrace Park	Local Recreation	Bayview Terrace	Deception Bay	1,851
Carrama Street Park	Local Recreation	Carramar Street	Rothwell	1,874
Langtree Park	Local Recreation	Morris Road	Rothwell	8,127
Wattle Park	Local Recreation	Wattle Road	Rothwell	9,554
Greenshank Crescent Park	Local Recreation	Greenshank Crescent	Deception Bay	3,836
Progress Park Sports Ground	Local Sports	Old Bay Road	Deception Bay	56,185
Deception Bay Sports Centre	Local Sports	Maine Terrace	Deception Bay	54,176
Zammit Street Sportsgrounds	Local Sports	Zammit Street	Deception Bay	36,039
Rothwell Park	Local Sports	McGahey Street	Rothwell	101,925
Government Street Sportsground	Local Sports	Government Street	Deception Bay	45,566

Table 73 shows the total calculation of each local trunk type park for the Deception Bay and Rothwell local catchment area.

TABLE 74 - TOTAL LOCAL PARK PROVISION DECEPTION BAY - ROTHWELL

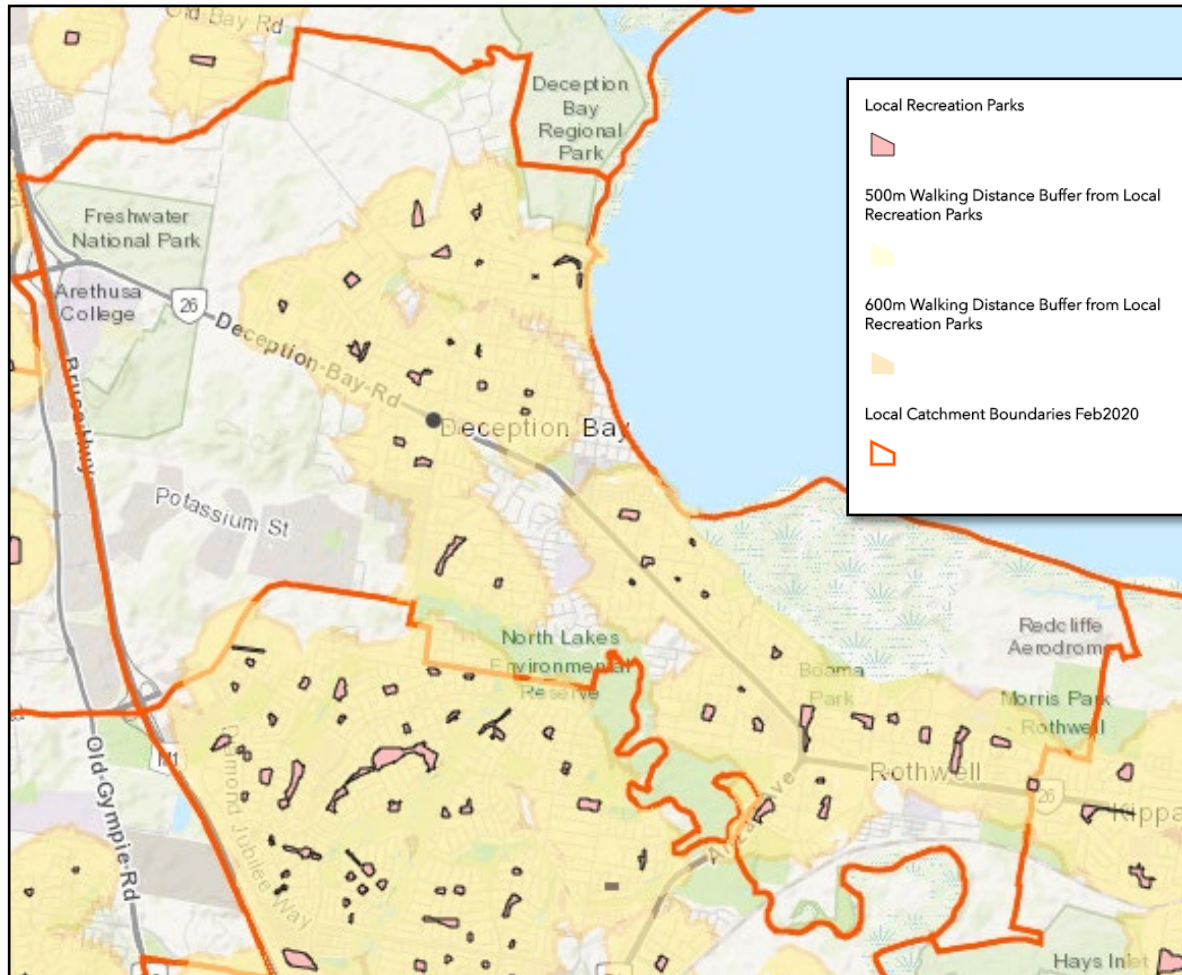
Total local parks	62.3ha
Total local recreation area Including foreshore	32.9ha
Total local Foreshore area	7.2ha
Total local sports parks	29.4ha



MAP 54 - PARKS AND COMPLEXES DECEPTION BAY- ROTHWELL LOCAL CATCHMENT

17.4 Deception Bay - Rothwell accessibility analysis

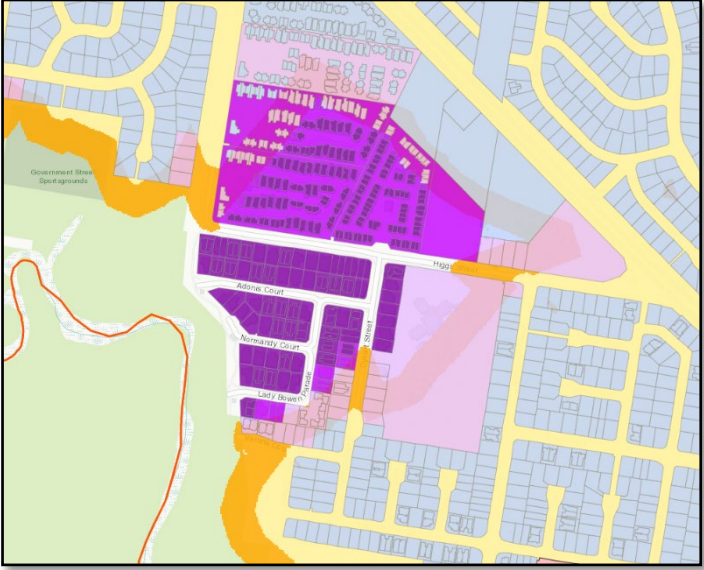
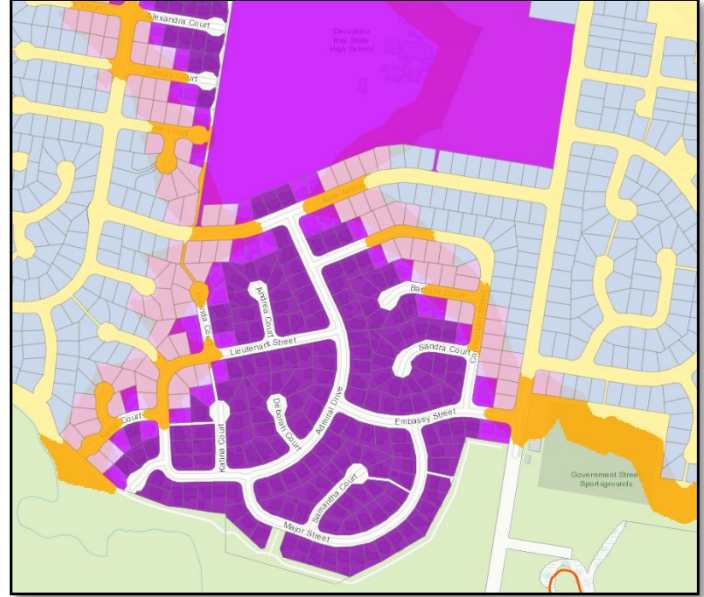
Map 55 illustrate the accessibility to local recreation parks across the Deception Bay Rothwell catchment. There are several gaps in accessibility based on a 500m-600m true walkability mapping analysis. The following map illustrates the walkability mapping.



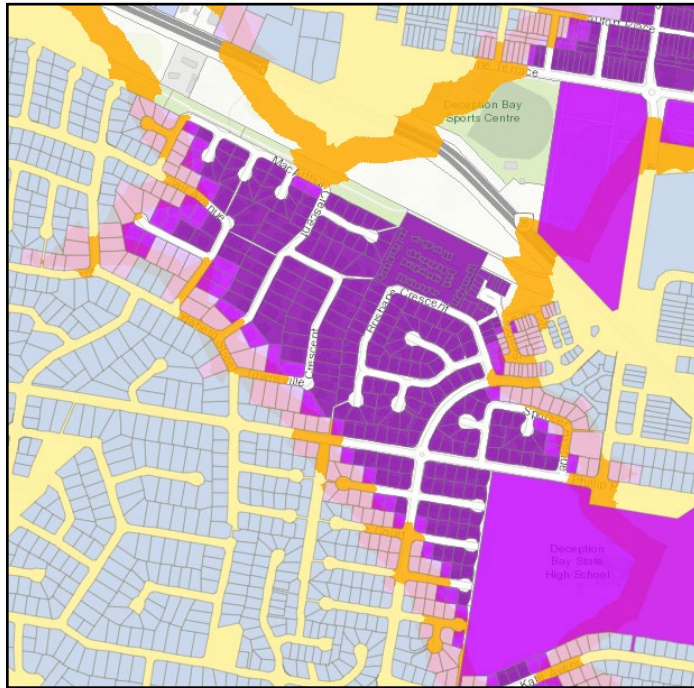
MAP 55 - WALKABILITY ANALYSIS LOCAL RECREATION DECEPTION BAY -ROTHWELL

This map indicates several areas with low level of accessibility, they are further explored in Table 74 accessibility shortfalls below.

TABLE 75 LOCAL RECREATION SOLUTION DECEPTION BAY - ROTHWELL

<p>Higgs Street - Adonis Street - Deception Bay</p> 	<p>This area comprises multiple dwelling units on the north side of Higgs Street and single dwellings and duplexes to the south.</p> <p>The area borders onto the natural area of Saltwater Creek and has access to the Government Street Sports Ground (owned by MBRC as Reserve). Opportunity to embellish this sports parks to include local recreation amenity would improve local recreation opportunities in this area.</p>
 <p>Admiral Drive - Major Street, Deception Bay</p>	<p>This area is located to the west of Government Street Sports Ground and within accessibility walking distance to that facility</p> <p>Similarly, it would be supported by the development of this sports ground to include local recreation amenity.</p> <p>There are also walking paths along the North Lakes Environmental Reserve natural area for recreation purposes.</p>

MacArthur Crescent Brisbane Crescent Deception Bay



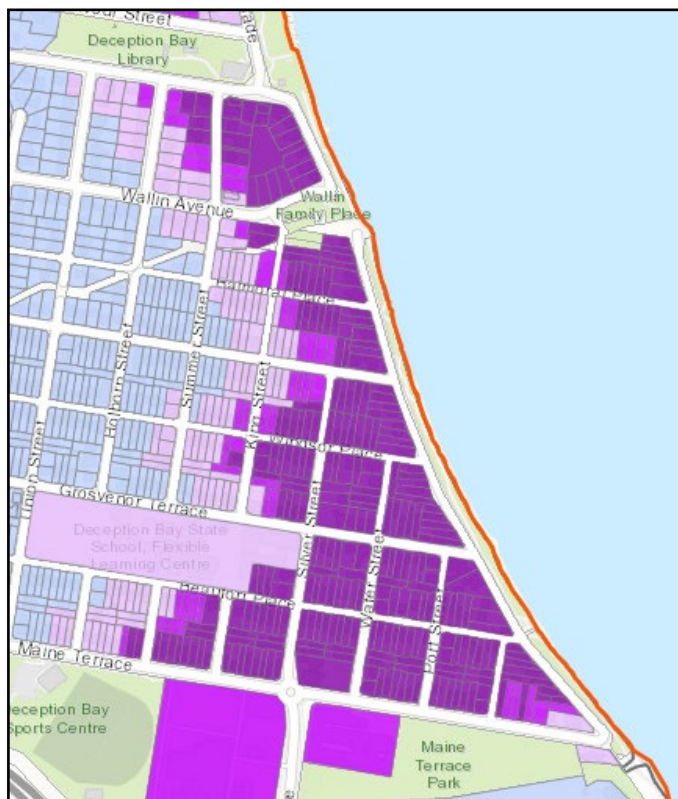
This area lacks local recreation parks and it is noted that Deception Bay Road divides it from the Deception Bay Sports Centre.

The sports centre does offer a range of recreational opportunities and is within 700m of most houses in this area some of these properties taking into account the crossing at Bailey Road.

There is little opportunity to develop a local park within this area without acquisition of developed land and removal of houses.

Emphasis should be placed on the development and maintenance of Deception Bay Sports centre to cater for this area, including playground and picnic facilities.

The Esplanade



The area indicated along the Esplanade as being beyond the 600m walking distance to a local recreation park is all within the walking distance to the Esplanade Foreshore park and within walking distance to the district recreation park at the Deception Bay library.

No further items are required at this location.

17.5 Deception Bay - Rothwell catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for every 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 75, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 71 above.

TABLE 76 - DECEPTION BAY - ROTHWELL LAND PROVISION ANALYSIS

DECEPTION BAY - ROTHWELL	2016	2021	2026	2031	2036	Ultimate population
Population	26,473	27,202	27,612	28,829	29,869	34,395
Demand for local recreation (ha)	26.473	27.202	27.612	28.829	29.869	34.395
Current provision of local recreation (ha)	32.9	32.9	32.9	32.9	32.9	32.9
Balance of park to DSS	6.4	5.7	5.3	4.1	3.0	-1.5

17.6 Deception Bay - Rothwell Recommendations for public parks solutions

While the catchment analysis has not shown a need for future local recreation parks there are a number of parks within the catchment that do require further upgrading and embellishment to bring them up to the desired standard of service. The current LGIP items are listed in Table 76.

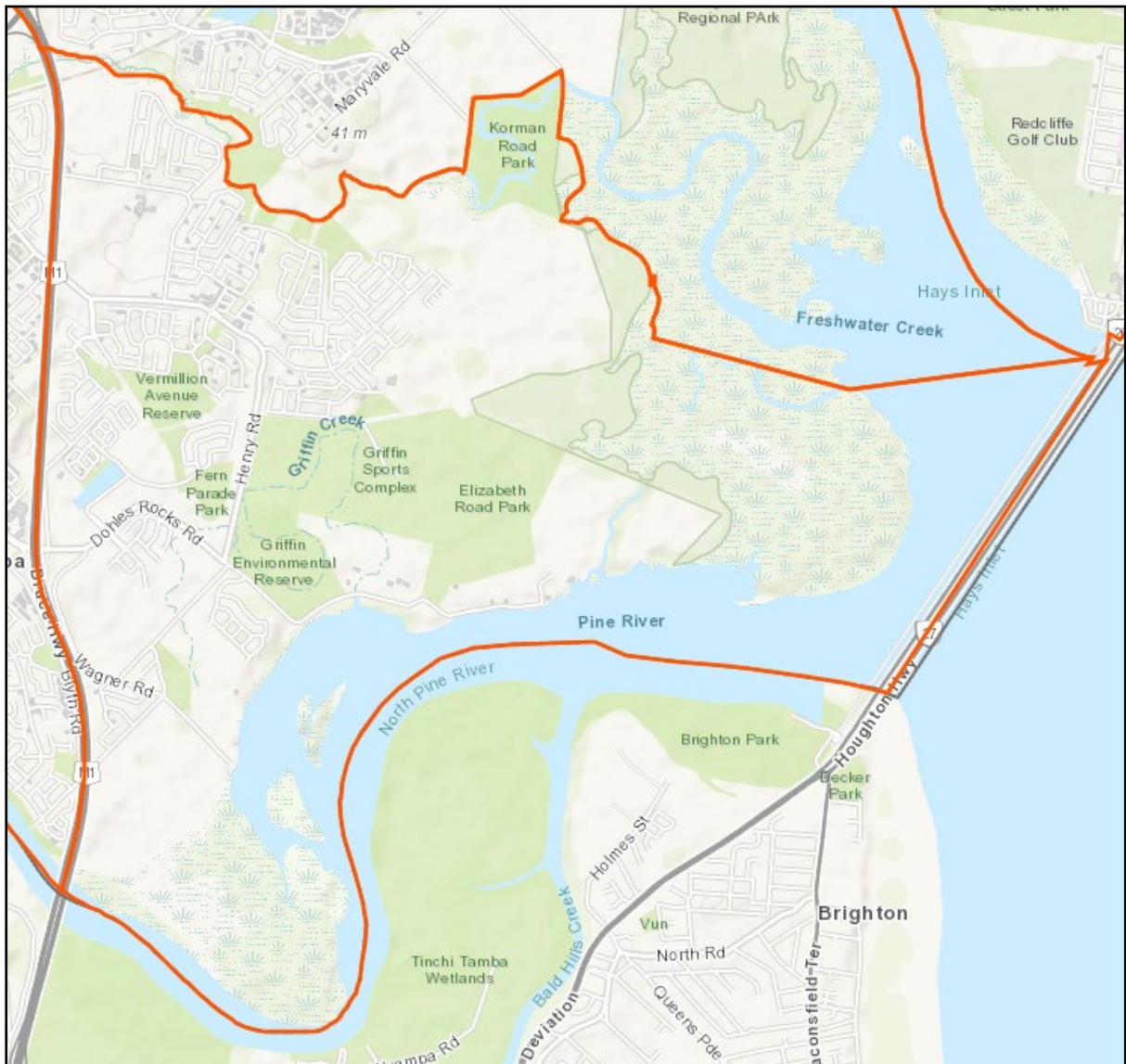
TABLE 77- CURRENT LGIP ITEMS DECEPTION BAY - ROTHWELL

Reference	Location	Detail	Comments and Status
OS-16	Deception Bay community centre	District Park	
OS-71	Boama Park	Local foreshore	
OS-113	Deception Bay	Local recreation park	Land and embellishment to create connection and improve accessibility
OS-114	Deception Bay	Local recreation park	
OS-115	Bonton Avenue park	Local recreation park embellishment	
OS-116	Parsons Boulevard Park	Local recreation park embellishment	Parsons Blvd Park
OS-145	Antigua Crescent park	Local recreation park	
OS-146	Deception Bay	Local recreation park	Increase size of park

18 Local Catchment - Griffin - Local Recreation Analysis

18.1 Griffin local catchment profile summary

The Griffin local area is bordered by Mango Hill in the north, Freshwater Creek and North Pine River in the east and south and Kallangur in the west. The Griffin local area is a developing urban area with rural and agricultural land uses in the east. Recreation, boating and fishing facilities along the northern shore of the Pine River are within close reach. The eastern part of Griffin is a wetland which extends towards the mouth of the North Pine River see Map 56.



MAP 56 - GRIFFIN LOCAL CATCHMENT BOUNDARY

18.2 Griffin population growth assumptions

The population assumptions for Griffin local catchment are shown in Table 77.

TABLE 78 - GRIFFIN LOCAL CATCHMENT POPULATION ASSUMPTIONS

GRIFFIN	2016	2021	2026	2031	2036	Ultimate
Population	7,109	12,759	14,843	15,796	15,984	16,053
Five-year growth	4,338	5,650	2,084	953	189	8,943
Percentage Five-year growth	156.5%	79.5%	16.3%	6.4%	1.2%	55.8%

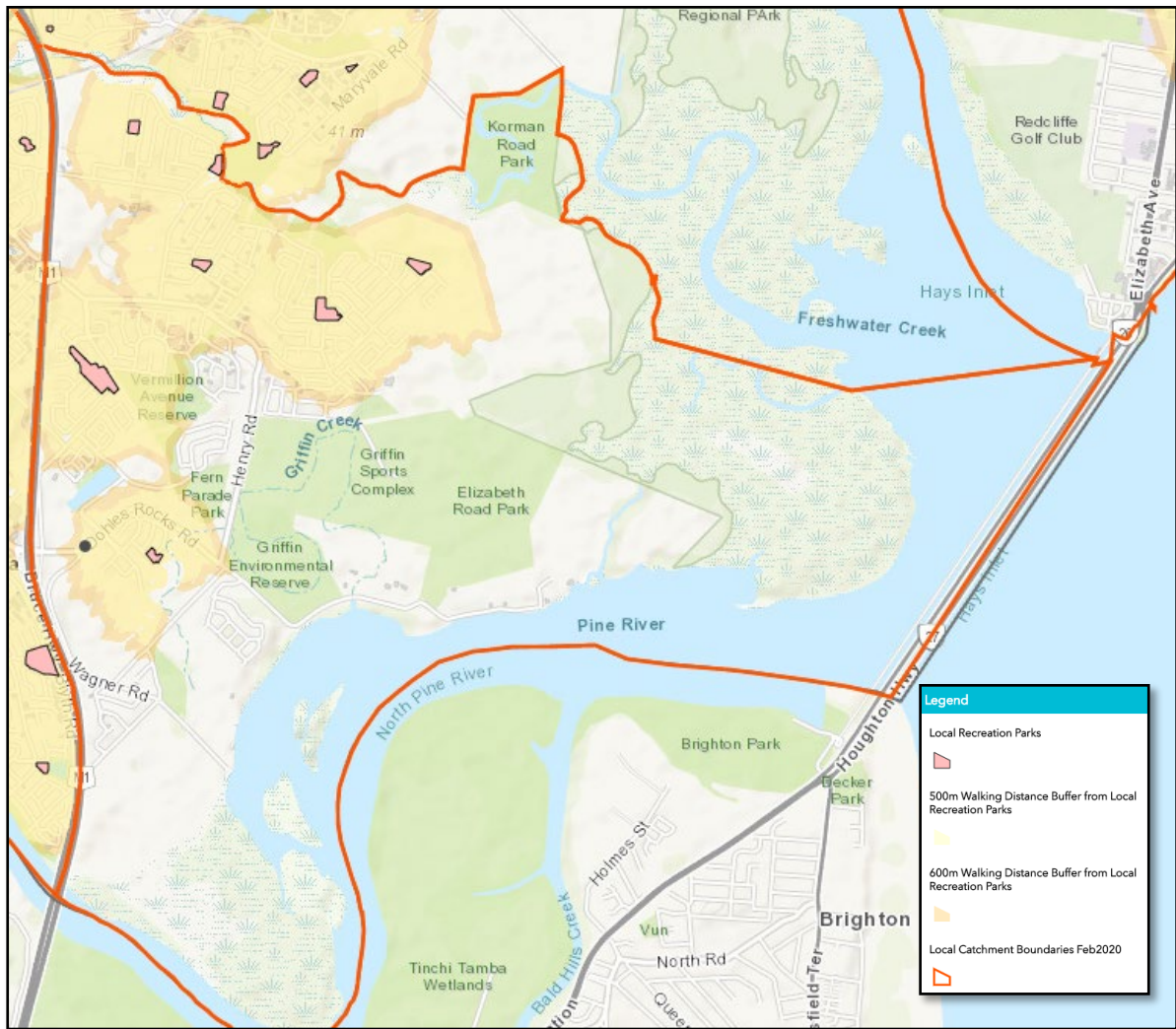
18.3 Griffin current supply of Local Recreation parks

The existing supply of local recreation parks within Griffin local catchment are shown in Table 78.

TABLE 79 - GRIFFIN CURRENT SUPPLY OF LOCAL RECREATION

Park Name	Classification	Address	Park Area m ²
Aspire Parade	Local Recreation	Victoria Drive	5,199
Dohles Rocks Foreshore	Local Foreshore	Dohles Rocks Road	5,563
Sandalwood Crescent Park	Local Recreation	Sandalwood Crescent	6,849
Peppercorn Street Park	Local Recreation	Coriander Drive	11,333
Ultramarine Parade Park	Local Recreation	Evergreen Parade	24,403
Lavender Drive Park	Local Recreation	Vanilla Avenue	4,981
New Local Recreation Park	Local Recreation	Victory Drive	3,999
Total Area			62,327m ²

18.4 Griffin accessibility analysis



MAP 57 - GRIFFIN - WALKABILITY FOR LOCAL RECREATION PARKS

18.5 Griffin catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 79, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 77 above.

TABLE 80 - GRIFFIN LOCAL CATCHMENT LAND PROVISION ANALYSIS

GRIFFIN	2016	2021	2026	2031	2036	Ultimate
Population	7,109	12,759	14,843	15,796	15,984	16,053
Local Recreation DSS Demand (ha)	7.1	12.8	14.8	15.8	16.0	16.1
Existing Supply (ha)	6.2	6.2	6.2	6.2	6.2	6.2
Balance/ Shortfall (ha)	-1	-7	-9	-10	-10	-10

The Griffin local catchment presents a challenge in meeting the DSS through to the Ultimate population projection and a deficit of 10 hectares is anticipated from 2031.

The current LGIP includes nine parks in the SOW, Table 81 indicates current status and projected future supply. Those not currently included in the list of parks will provide a future 1.5ha of local recreation park leaving a deficit of 8.5ha.

TABLE 81 - GRIFFIN RECENT DELIVERY OF PARKS

Identification	Address	Status	Additional Area
OS-89	Victory Road	Delivered	4000m2 (existing)
OS-85	Stewart Road	Included in DA approved 2019 - awaiting development	5000m2 (future)
OS-91	Aspire Parade	Delivered - much of this area is stormwater detention and doesn't function as local recreation, the balance is heavily treed	5219m2 (existing - does not meet DSS)
OS-87	Sandalwood Crescent	Delivered	6849m2 (existing)
OS-92		Awaiting DA	5000m2
OS-88	Wagner Road	No park provided - move location to south to Lot 1002 Wagner Road, Griffin	5000m2
OS-90	Beverly Court	Delivered	4005m2 (existing)
Total area of future local recreation parks planned			15,000m2 1.5ha
Sports at district level not local recreation			
OS-67		District Sport - Griffin Sports	66.5ha

18.6 Griffin solutions for park provision

Several additions to the trunk park network are recommended to make up the shortfall in the Griffin catchment. The combination of conversions of linear parks to local recreation parks where applicable. Inclusion of a higher-level District recreation park which is also missing for the local catchment and additional items added to the LGIP SOW.

The solutions for local recreational park deficit are offered in Table 81.

TABLE 82 GRIFFIN RECOMMENDED SOLUTIONS TABLE

Conversion of linear parks	Area m2
Nutmeg Drive Park	3,566m2
Elderflower Circuit Reserve	4,595m2
91 Sandalwood Crescent	5,516m2
Additional District Recreation Park	
Korman Road (512 Brays Road)	14.368ha
Unclassified park	
Stage 8 Park Kalu Street (mixed environmental area and local recreation DA/20754/2014/V23P) Lot 900 BRAYS ROAD GRIFFIN	10.00ha
Total additional local parks Griffin	
<ul style="list-style-type: none"> Move OS88 South west 	

<ul style="list-style-type: none"> New LGIP item District Recreation - conversion of park dedicated with DA/29754/2014/VCHG/1 - Access and embellishment required approximate are 14.368ha 	
<ul style="list-style-type: none"> Lot 505 Bettson Boulevard or Lot 503 Bettson Blvd Griffin purchase and convert to a local recreation park - both have child care centre DA applications on them. 	

18.7 Schedule of works for trunk parks in the Griffin Local Catchment Area

Table 83 following solutions are outlined for the Griffin local catchment area

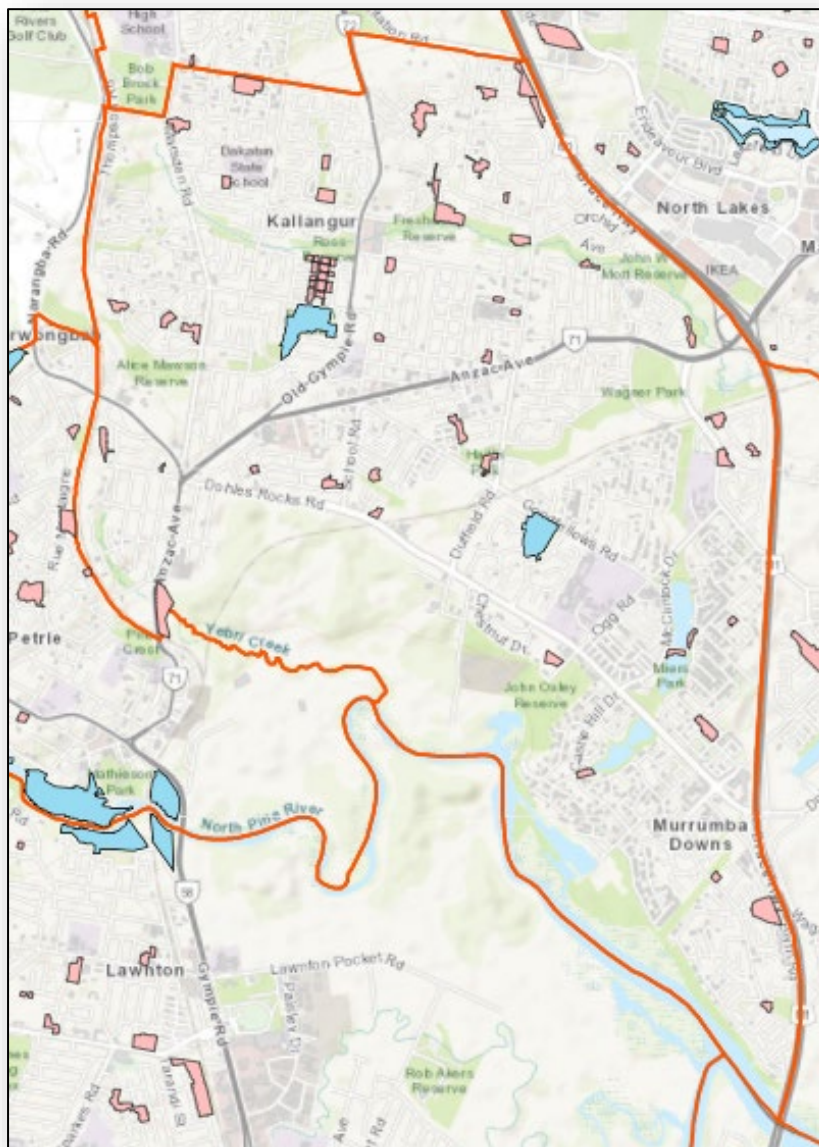
TABLE 83 - SOLUTIONS FOR GRIFFIN LOCAL CATCHMENT

Reference	Location	Phase	Type of park	Solution
OS-67 (stage 2)	Elizabeth Road Park	Phase 2	District Sport	Investigation/Indicative
OS-67 (stage 3)	Elizabeth Road Park	Phase 3	District Sport	Investigation/Indicative
OS-67 (stage 4)	Elizabeth Road Park	Phase 4	District Sport	Investigation/Indicative
OS-85	Griffin Local Recreation		Local Park	New Land & Embellishments
OS-86	Griffin Local Recreation		Local Park	New Land & Embellishments
OS-87	Griffin Local Recreation		Local Park	New Land & Embellishments
OS-88	Griffin Local Recreation		Local Park	New Land & Embellishments
OS-89	Griffin Local Recreation		Local Park	New Land & Embellishments
OS-92	Griffin Local Recreation		Local Park	New Land & Embellishments

19 Local Catchment - Kallangur - Local Recreation Analysis

19.1 Kallangur Profile Summary

The Kallangur local area is located north of Petrie and west of the Northlakes and Mango Hill area. It is an urban area comprising of low-density residential housing and a district centre. Land for further expansion within the local area boundaries is extremely limited. The area is connected to the rest of the region by Kallangur Station and the Bruce Highway. Some of the major features of the local area include the Watson Park Convention Centre, Kallangur Fair Shopping Centre, Lillybrook Shopping Centre, John Oxley Reserve, Murrumba Downs Shopping Centre, Murrumba Downs Community Pool, Harold Moroney Reserve, Murrumba Downs Sewerage Treatment Plant and the North Pine River, see Map 58.



MAP 58 - KALLANGUR LOCAL CATCHMENT

19.2 Kallangur population growth assumptions

The population assumptions for the Kallangur local catchment are shown in Table 84.

TABLE 84 - KALLANGUR LOCAL CATCHMENT POPULATION ASSUMPTIONS

Kallangur	2016	2021	2026	2031	2036	Ultimate
Population	32,082	32,694	34,849	37,343	40,763	54,363
Five-year population growth assumptions	2,317	612	2,154	2,495	3,419	22,280*
Five-year population growth as percentage	7.8%	1.9%	6.6%	7.2%	9.2%	68.1% ⁸

*growth 2016 to ultimate

Table 83 indicates a steady growth with a growing population as the areas around the rail line experience infill development at a higher density and the larger lots will development potential area taken up. The development of the University at Petrie could stimulate further development in Kallangur.

19.3 Kallangur current supply of Local Recreation parks

The existing supply of local recreation parks within the Kallangur local catchment are shown in the table 84.

TABLE 85 - CURRENT SUPPLY OF LOCAL RECREATION PARKS KALLANGUR

Park	Classification	Address	Suburb	Area m ²
Kallangur Town Memorial Park	Local Civic	Anzac Avenue	Kallangur	95m ²
Yvonne Chapman Park	Local Civic	Anzac Avenue	Kallangur	803 m ²
Black Duck Reserve	Local Recreation	North Quarter Dr	Murrumba Downs	2,932 m ²
Fred Kruger park	Local Recreation		Kallangur	4,030 m ²
Ogg Road Park	Local Recreation	Ogg Road	Murrumba Downs	5,945 m ²
Allison Drive Park	Local Recreation	Allison Drive	Kallangur	6,209 m ²
Haithi Park	Local Recreation	Duffield Ri	Kallangur	6,464 m ²
Paris Park	Local Recreation	Goodfellows Rd	Kallangur	7,633 m ²
Glass House Circuit	Local Recreation	Glass House Cct	Kallangur	8,185 m ²
Jillian Street Reserve	Local Recreation	Mikaela Court	Kallangur	5,061 m ²
Kerr Road west Park	Local Recreation	Kerr Road West	Kallangur	11,298 m ²
Birdwing Crescent Park	Local Recreation	Butterfly Drive	Kallangur	4,504 m ²
Harold Maroney Reserve	Local Recreation	Moreton Street	Murrumba Downs	7,247 m ²
Pine River Drive Community Res	Local Recreation	Pine River Dr	Murrumba Downs	2,498 m ²
Coling Park	Local Recreation	School Rd	Kallangur	5,631 m ²
Ballard Park	Local Recreation	Marsden Rd	Kallangur	7,910 m ²
Banyula Park	Local Recreation	Leslie St	Kallangur	1,601 m ²
Marsden Road Reserve	Local Recreation	Fairlie Crt	Kallangur	6,932 m ²
Blazey Street Park	Local Recreation	Blazey St	Kallangur	31,431 m ²
Claremont Park	Local Recreation	Claremont Dr	Murrumba Downs	6,039 m ²
Baybreeze Crescent Park	Local Recreation	Baybreeze Cres	Murrumba Downs	1,790 m ²
Yarrabee Park	Local Recreation	Benham Avenue	Kallangur	16,764 m ²
Joe Kruger Park	Local Recreation	Brickworks Road	Kallangur	4,281 m ²
Jim Hassall Park	Local Recreation	Bluegum Street	Kallangur	2,064 m ²
Penson Park	Local Recreation	Ann Street	Kallangur	55,238 m ²

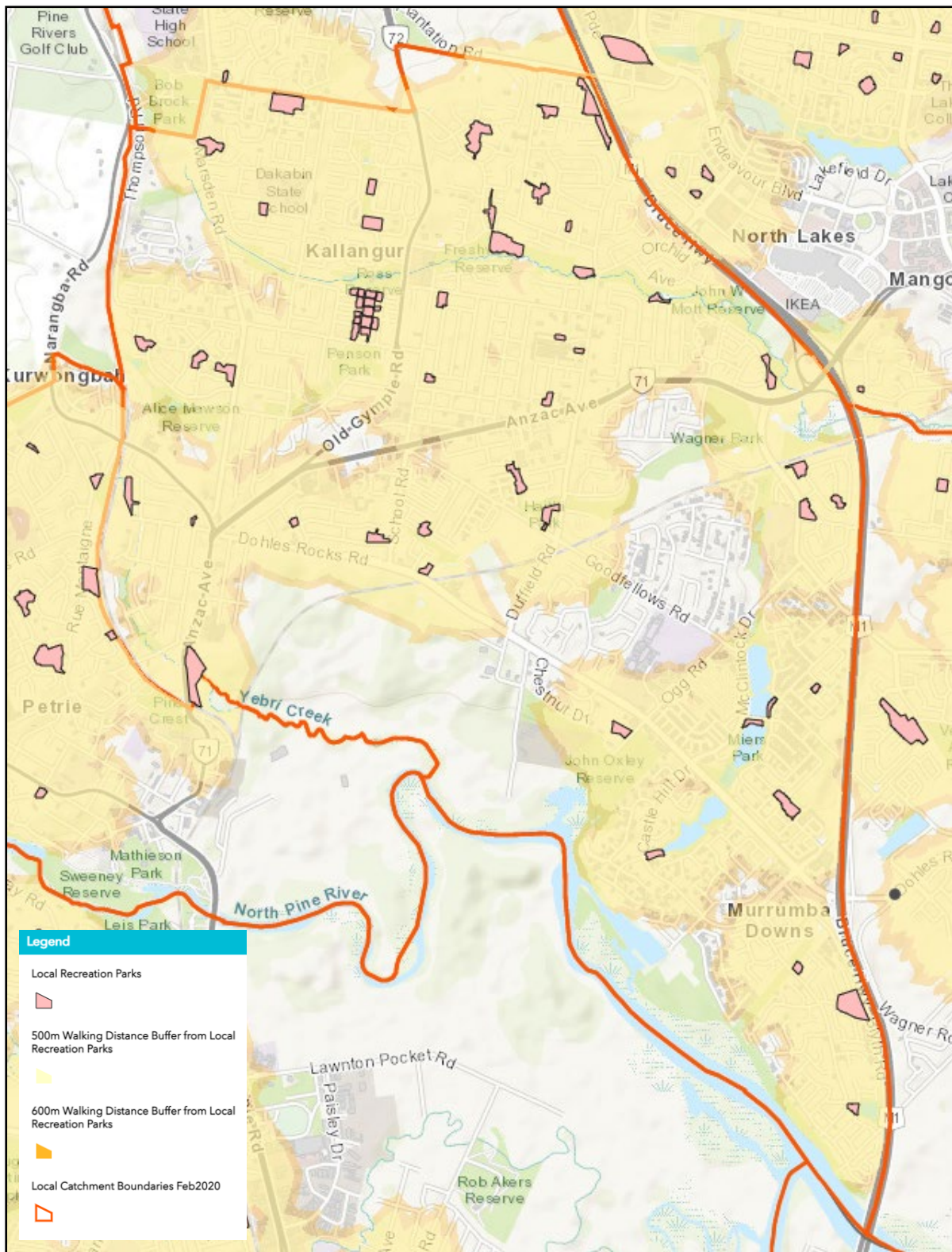
Keith Houghton Park	Local Recreation	Barwon St	Murrumba Downs	3,010 m ²
Kapalama Park	Local Recreation	Kapalama Rd	Kallangur	3,383 m ²
Brewer Park	Local Recreation	Baines St	Kallangur	2,032 m ²
Jenelle Park	Local Recreation	Jenelle St	Kallangur	6,229 m ²
Yinkanie Park	Local Recreation	Purnell St	Kallangur	3,324 m ²
Outlook Court Park	Local Recreation	Diane Parade	Kallangur	5,586 m ²
Rupert Kneen Park	Local Recreation	Mountain Blue Dr	Kallangur	14,541 m ²
Betty Dohle Park	Local Recreation	Duffield Rd	Kallangur	5,737 m ²
Gary Fulton Park	Local Recreation	Bruce Highway	Murrumba Downs	19,544 m ²
Woodlands Park	Local Recreation	Northquarter Drive	Murrumba Downs	9,977 m ²
Pam Gorrington Park	Local Recreation	Dohles Rocks Road	Kallangur	2,755 m ²
Lygon Place Park	Local Recreation	Ascot Crescent	Kallangur	5,220 m ²
Catherine Petrie Park	Local Recreation	Catherine Court	Murrumba Downs	3,325 m ²
Humphries Park	Local Recreation	Duffield Road	Kallangur	1,824 m ²
Sapphire Court Park (Kallangur)	Local Recreation	Duffield Road	Kallangur	1,624 m ²
Glasshouse Circuit park area 2	Local Recreation	Glasshouse circuit	Kallangur	3,565 m ²
Curruthers Park	Local Recreation	Narangba Road	Kallangur	829 m ²
Balstrup Pk Local Recreation	Local Recreation		Kallangur	5,675 m ²
Beattie Street	Local Recreation	Beattie Street	Kallangur	1,626 m ²
Ruth Whitfield Park	Local Recreation	Anzac Avenue	Kallangur	21,809 m ²
John Oxley Reserve	Local Sports	Ogg Road	Murrumba Downs	171,947 m ²

TABLE 86 - TOTAL AREA OF LOCAL PARKS KALLANGUR

Classification	Number	Area (ha)
Local recreation	44	33 ha
Local Civic	2	0.1ha
Local Sports	1	17.2ha

19.4 Kallangur accessibility analysis

Map 59 highlights the accessibility of residential blocks to local recreation parks, subsequently showing those areas which are located beyond the comfortable walking distance of 500 - 600m to a local recreation park.



MAP 59 - WALKABILITY KALLANGUR - LOCAL RECREATION PARKS

It is noted that within the Kallangur catchment an extensive network of linkage parks provided along the Freshwater Creek. These parks are generally are not classified as trunk parks, however, there are park areas along the network which are embellished with local park facilities and function for their local communities as local recreation parks. These areas have been reclassified as local recreation for a more accurate reflection of

the supporting trunk infrastructure for the community within this catchment. Examples of these parks include portions of Kingfisher Park on Allison Drive which includes a playground, picnic area and kickabout space. A further example is a portion of the John W Mott Reserve which also have play and exercise equipment and a small kickabout area.



FIGURE 60 - KINGFISHER PARK ON FRESHWATER CREEK, KALLANGUR



FIGURE 61 - JOHN W MOTT PARK ON FRESHWATER CREEK, KALLANGUR

19.5 Kallangur catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 86, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 83 above.

TABLE 87 - KALLANGUR LAND PROVISION ANALYSIS

Kallangur	2016	2021	2026	2031	2036	Ultimate
Population	32,082	32,694	34,849	37,343	40,763	54,363
Supply needed to meet DSS (ha)	32.08	32.69	34.85	37.34	40.76	54.36
Current supply (ha)	51.37	51.37	51.37	51.37	51.37	51.37
Excess or shortfall analysis (ha)	19.29	18.68	16.52	14.03	10.61	-2.99
additional supply					0.5	0.5
revised balance					11.11	-2.49

19.6 Kallangur recommendations for public parks solutions

Table 88 lists the public park recommendations for Kallangur local catchment.

TABLE 88 - RECOMMENDATIONS FOR PUBLIC PARKS - KALLANGUR

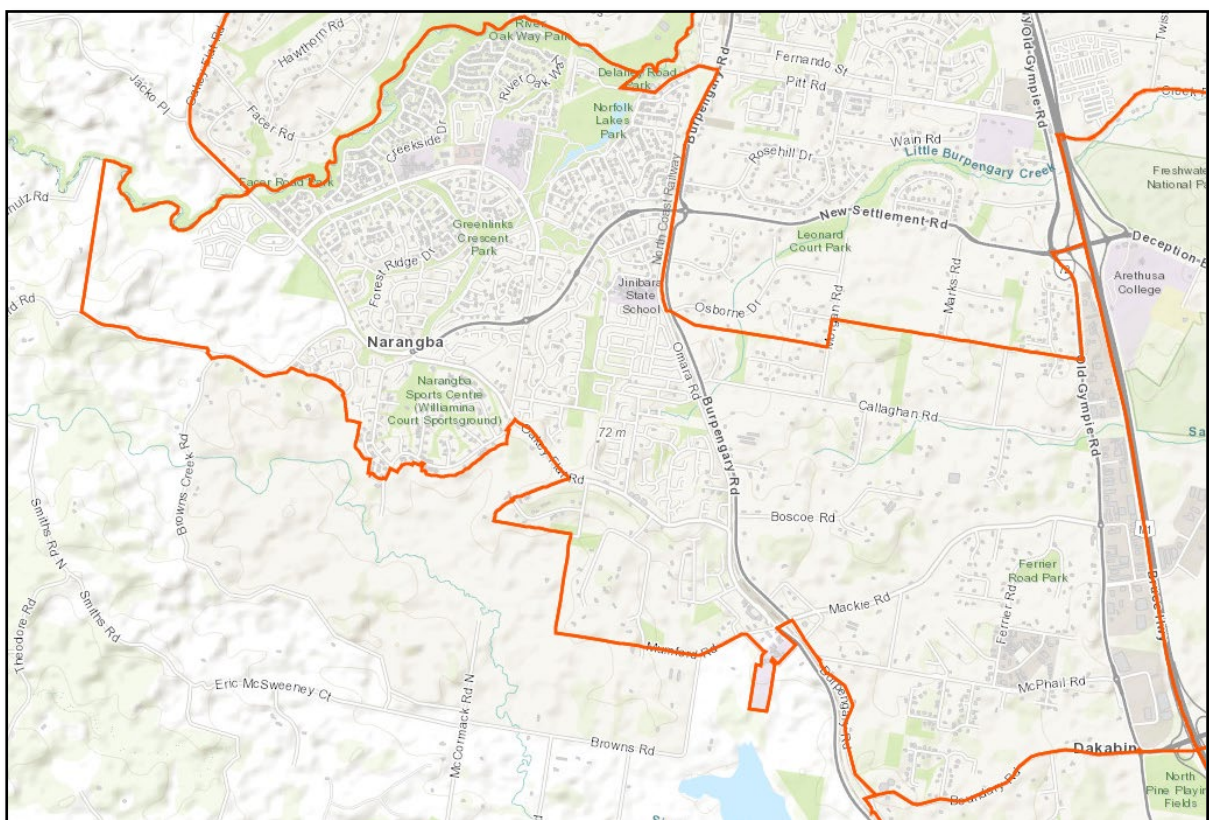
Reference	Address	Park Type	Solution
OS-49	Reserve (Anzac Ave) - Kallangur	District Civic	Investigation/Indicative
OS-121	Kallangur (Humphries Park)	Local Park	New Land & Embellishments
OS-153	Cecily Street Park - Kallangur Local Recreation (proximity Murrumba Downs Station)	Local Park	New Land & Embellishments
OS-2216	100 Goodfellows Road, Kallangur	Local Park	New Land
OS-2217	Goodfellows Road	Local Park	New Land & Embellishments
OS-2222	Marsden Road	Local Park	New Land & Embellishments

20 Local Catchment - Narangba - Local Recreation Analysis

20.1 Narangba profile summary

The Narangba local area is bordered by Burpengary Creek in the north, the Bruce Highway in the east, Boundary Road in the south and Oakey Flat Road in the west. It is located within a 21km drive of Caboolture. The area is developing quickly. It is primarily characterised by suburban housing and housing estates, commercial areas and industrial areas. The rural residential neighbourhood of Narangba East is expected to develop further.

Some of the major features of the area include Narangba Valley Shopping Centre, Narangba Sporting Complex, Narangba Sports and Recreation Ground, several parks and numerous schools. The area's proximity to the railway line and the Bruce Highway make it an attractive place for investment.



MAP 62 - LOCAL CATCHMENT NARANGBA

20.2 Narangba population growth assumptions

The population assumptions for the Narangba local catchment are shown in Table 88. The population of Narangba is expected increase from 18,867 in 2016 to 30,200 in 2036. The ultimate population indicates further development potential for 9,881 more residents to a total of 40,081 at ultimate development. These population figures indicate that at the 2021 assumed population of 21963 the population was just over half of the capacity of the catchment. Some areas of the catchment fall outside the Priority Infrastructure Area, and some areas are zoned transition precinct and will be developed over time.

TABLE 89 - POPULATION ASSUMPTIONS NARANGBA LOCAL CATCHMENT

Narangba Local Catchment	2016	2021	2026	2031	2036	Ultimate
Population	18,867	21,963	25,023	28,165	30,200	40,081
Growth over 5-years	2,418	3,095	3,061	3,142	2,035	21,214*
Percentage growth over 5-years	14.7	16.4	13.9	12.6	7.2	112.4%*

*population growth from base year 2016 to ultimate population

20.3 Narangba current supply of Local Recreation Parks

The existing supply of local recreation parks within the Narangba local catchment are shown in the following Table 89.

TABLE 90 - NARANGBA CURRENT SUPPLY OF LOCAL RECREATION PARKS

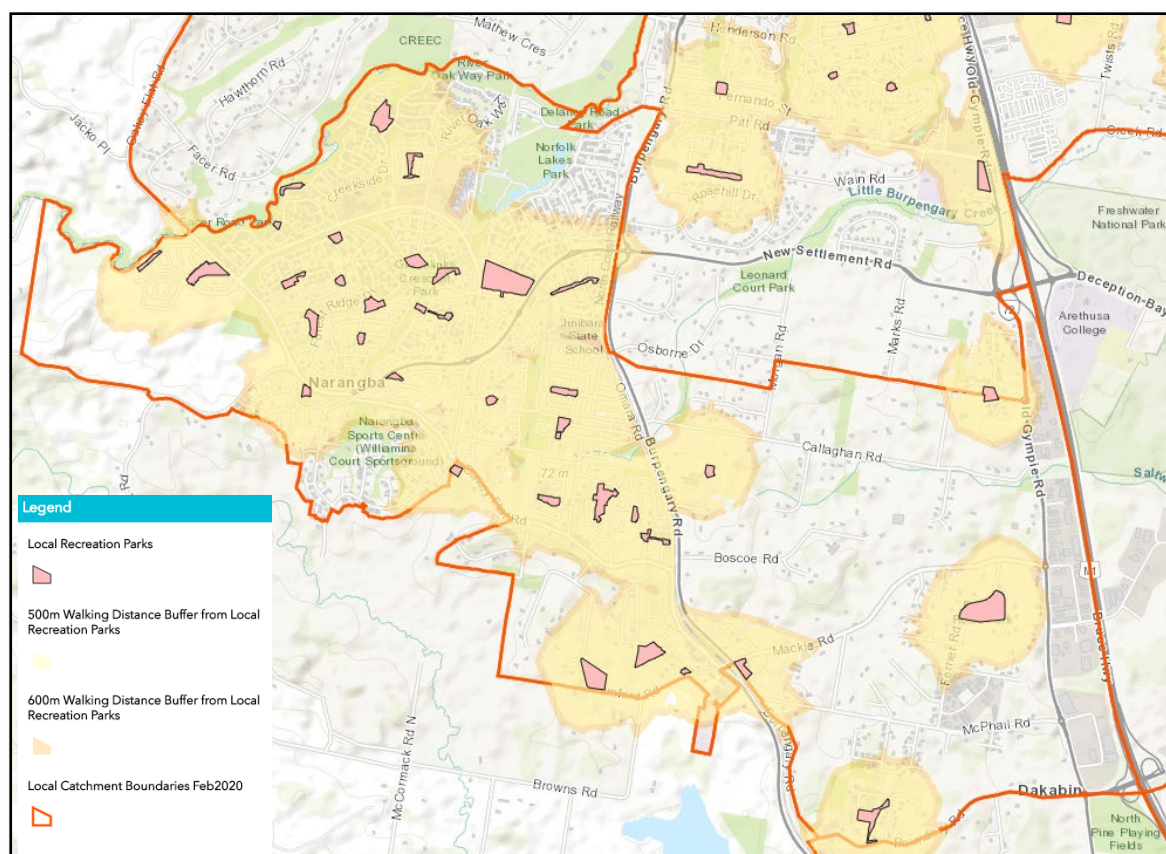
Park Name	Classification	Address	Suburb	Area
Narangba Valley Town Square	Local Civic Park	Young Road	Narangba	2498
Kookaburra Corner Park	Local Recreation		Narangba	10721
Park Adjoining community centre	Local Recreation	Burpengary Road	Narangba	8376
Local Recreation Park	Local Recreation	Kallatina Street	Narangba	5094
Ferrier Road Park	Local Recreation	Ferrier Road	Narangba	48175
Homeworld Drive/ Greenlinks Crescent Park	Local Recreation	Homeworld Drive	Narangba	2885
Forest Ridge Dr	Local Recreation		Narangba	10518
Highlands Estate Park	Local Recreation	Highlands Drive	Narangba	4240
Cabbage Tree Park	Local Recreation	Magenta Crescent	Narangba	9142
Mitta Cres	Local Recreation		Narangba	10380
Coochin Avenue Park	Local Recreation	Coochin Avenue	Narangba	4014
Tuckeroo Park	Local Recreation	Tuckeroo Park	Narangba	4607
Thomas Street Reserve	Local Recreation	Mumford Road	Narangba	2049
Stone Ridge Boulevard Park	Local Recreation	Stone Ridge Boulevard	Narangba	8537
McCullagh Park	Local Recreation	Mumford Road	Narangba	24341
Mabel Elsie Park	Local Recreation	Hickory Drive	Narangba	3997
Swanston Crescent Park	Local Recreation	Swanston Crescent	Narangba	7879
Baphal Crescent Park	Local Recreation	Baphal Crescent	Narangba	9309
Firewheel Park	Local Recreation	Ridge View Drive	Narangba	4781
Lions Park (Narangba)	Local Recreation	Cottontree Drive	Narangba	9071
Gekko Gully	Local Recreation	Matterhorn Drive	Narangba	21381
Windemere Avenue Park	Local Recreation	Windemere Avenue	Narangba	6258
Kelly Street Park (Guides)	Local Recreation	Kelly Street	Narangba	20558
Nicholas Close Park	Local Recreation	Nicholas Close	Narangba	7754
Champion Circuit Park	Local Recreation	Champion Circuit	Narangba	21994
Cockatoo Crest Park	Local Recreation	Huon Street	Narangba	7657
Goanna Patch Park	Local Recreation	Palmer Place	Narangba	3724
Ringtail Court Park	Local Recreation	Ringtail Court	Narangba	3432

Bazeridge Drive Park	Local Recreation	Bazeridge Dr	Narangba	17235
Cottonwood Street Park	Local Recreation	Cottonwood St	Burpengary	57944
Oakey Flat Road	Local Recreation	Oakey Flat Rd	Narangba	79622
Tamarillo Circuit Park	Local Recreation	Mango Crescent	Narangba	3674
Williamina Court Sports	Local Sports Park	Oakey Flat Rd	Narangba	80889

Classification	Area
Local Recreation	43.9 ha
Local Civic	0.25ha
Local Sports	8.09ha

20.4 Narangba Accessibility analysis

Accessibility to local recreation parks is relatively good for the existing local recreation parks and the neighbourhoods they serve. Most of the local recreation parks work in combination with linear parks that support the stormwater creek systems which provide additional amenity for the neighbourhoods. The areas with lower levels of access to the local recreation parks have access to the district sports parks located within the catchment.



MAP 63 - WALKABILITY NARANGBA LOCAL CATCHMENT 500M-600M

20.5 Narangba catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 3, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 1 above.

TABLE 91 - NARANGBA LAND PROVISION ANALYSIS

NARANGBA	2016	2021	2026	2031	2036	Ultimate
Population	18,867	21,963	25,023	28,165	30,200	40,081
Supply needed to meet DSS (Ha)	18.87	21.96	25.02	28.17	30.20	40.08
Current supply (Ha)	43.90	43.90	43.90	43.90	43.90	43.90
Excess or shortfall analysis (Ha)	25.03	21.94	18.88	15.73	13.70	3.82

20.6 Narangba recommendations for public parks solutions

There is one LGIP item included in the recommendations for Narangba local catchment, it is recommended that this item is continued into LGIP2

TABLE 92 - RECOMMENDATIONS FOR PUBLIC PARKS NARANGBA LOCAL CATCHMENT

Reference	Address	Classification	Comments
OS-52	Harris Ave, Narangba	District Sport	Still required

No additional LGIP items required for trunk parks at this time - more will be required as transition and interim zones are developed and come into the PIA.

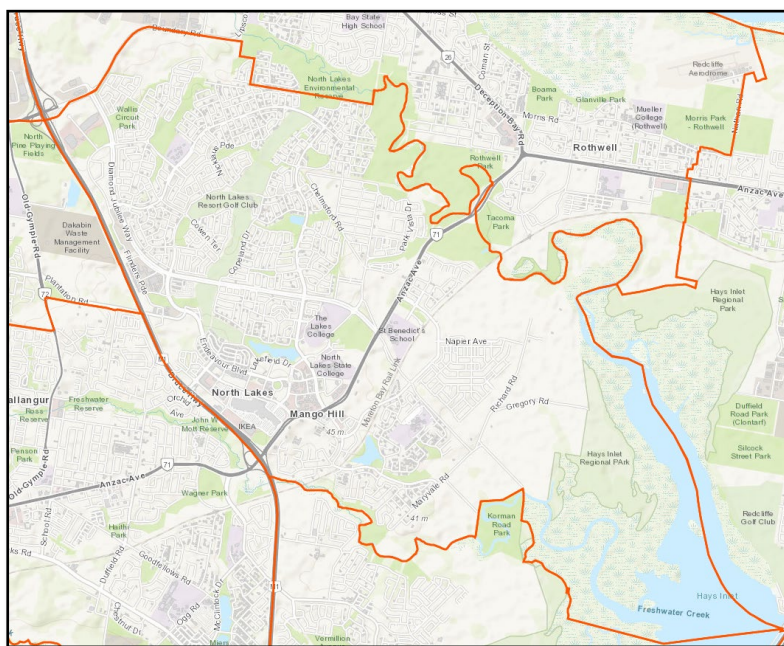
21 Local Catchment - North Lakes / Mango Hill - Local Recreation Analysis

21.1 North Lakes- Mango Hill profile summary

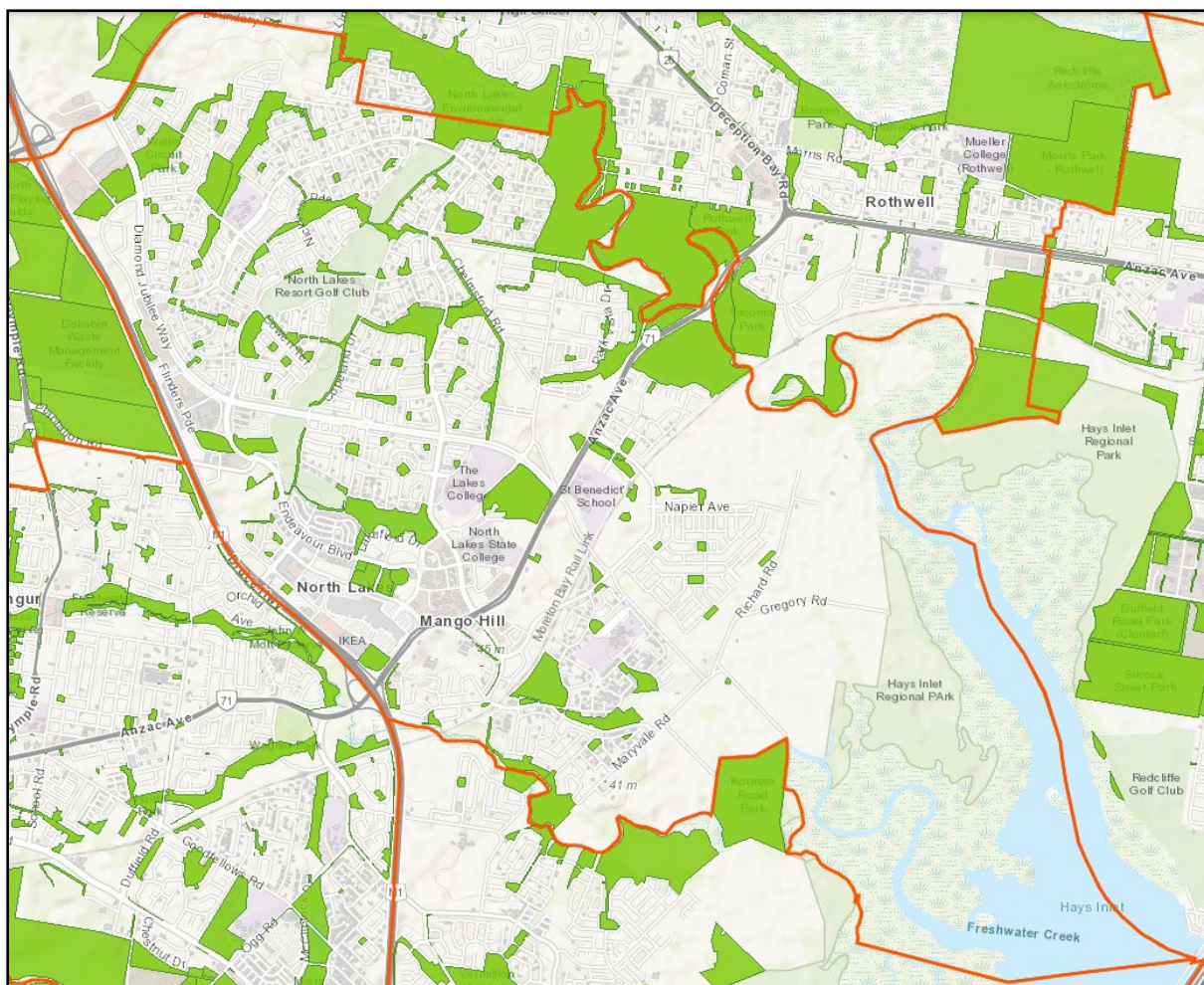
The North Lakes and Mango Hill local area is an urban area consisting of residential and commercial uses. North Lakes has experienced rapid growth since 2001 during the establishment of a master planned community. North Lakes is bordered by Deception Bay to the north, North Lakes Environmental Reserve to the east, the Bruce Highway and Kallangur to the west, with Mango Hills, Griffin and Murrumba downs to the south, see Map 64.

Mango Hill is a developing urban area currently experiencing significant growth. It has some remaining large rural lots to the east including undeveloped parcels of farmland. The local area is bordered by North Lakes and Rothwell to the north, Saltwater Creek running along the eastern between Mango Hill and Clontarf. The southern boundary is defined by Freshwater Creek with Griffin on the southern side. The Bruce Highway creates the western boundary.

Some of the major features in the North Lakes and Mango Hill local area include Westfield North Lakes Shopping Centre, Hilltop Shopping Centre, North Lakes Day Hospital, North Lakes Environmental Park, North Lakes Golf Club, Pathways Leisure Centre, Woodside Sports field and Park, Melaleuca Lakes and Parklands, Lake Eden, Mackenzie Park and several schools. North Lakes Golf Club is closing in late 2019. Up to 85% of this land is expected to become an environmental area with publicly available open space, this is currently not classified as trunk infrastructure.



MAP 64 - NORTH LAKES MANGO HILL CATCHMENT BOUNDARY



MAP 65 - PARKS AND COMPLEXES IDENTIFIED IN NORTH LAKES AND MANGO HILL CATCHMENT

21.2 North Lakes- Mango Hill population growth assumptions

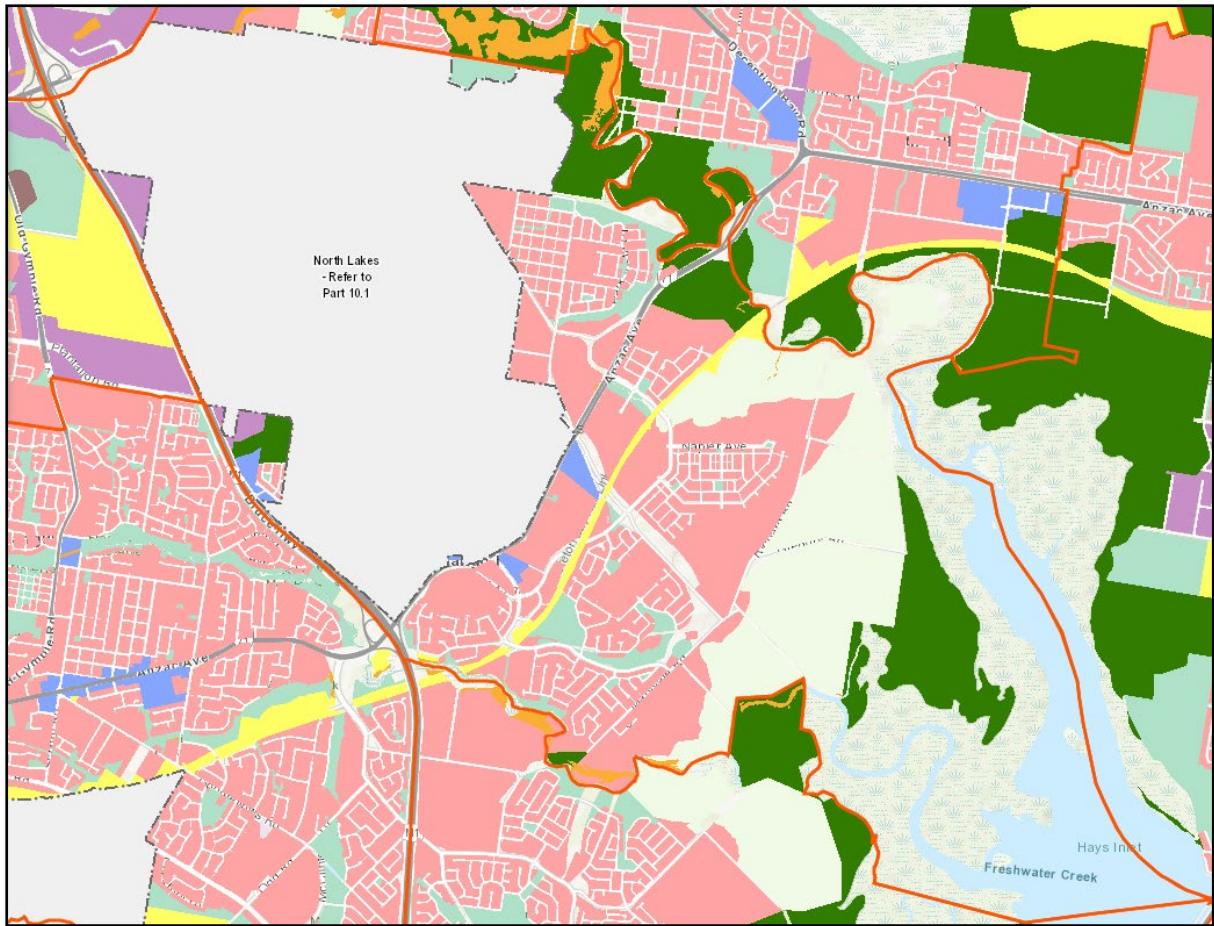
Mango Hill North Lakes experienced significant growth from 2011 to 2016 of 44.3%, while growth has continued at a significant rate to 2021 at 26.6% to the current population assumption of 39,966 for 2021. The population assumptions indicate continued growth to 2036 with a population of 51,948 residents and to an ultimate population of 55,320.

TABLE 93 - NORTH LAKES- MANGO HILL LOCAL CATCHMENT POPULATION ASSUMPTIONS

NORTH LAKES / MANGO HILL	2016	2021	2026	2031	2036	Ultimate
Population	31,559	39,966	44,735	50,951	51,948	55,320
5-year population growth	9,689	8,408	4,769	6,215	997	23,762*
Percentage population growth over 5-year period	44.3%	26.6%	11.9%	13.9%	2.0%	75.3%*

*Growth from 2016 to ultimate

Population assumptions take in the entire catchment from North lakes and Mango Hill, noting that most of North Lakes is covered by the existing infrastructure agreement which has delivered most of its trunk-like infrastructure.



MAP 66 - ZONING MAP SHOWING NORTH LAKES INFRASTRUCTURE AGREEMENT AREA

21.3 North Lakes- Mango Hill Current supply of Local Recreation Parks

The existing supply of local recreation parks within the North Lakes - Mango Hill local catchment is shown in the following Table 94.

TABLE 94 - CURRENT SUPPLY OF LOCAL RECREATION PARKS NORTH LAKES - MANGO HILL

Park Name	Classification	Address	Suburb	Area m ²
Lakefield Drive Park	Local Civic Park	Lakefield Drive	NORTH LAKES	6,149
Lighthorse Memorial Park	Local Civic Park	Kinsellas Road West	MANGO HILL	499
Basalt Street Park	Local Recreation	Basalt Street	NORTH LAKES	3,143
Dorrig Court Park	Local Recreation	Heathcote Avenue	NORTH LAKES	2,110
Lester Place Park	Local Recreation	Carmody Parade	NORTH LAKES	2,618
Squire Park	Local Recreation	Swords Parade	NORTH LAKES	2,616
Lytham Circuit Park	Local Recreation	Morfontaine Street	NORTH LAKES	4,980
Montgomerie Parade Park	Local Recreation	Langer Circuit	NORTH LAKES	2,544
Oxley Street Park	Local Recreation	Flinders Parade	NORTH LAKES	26,817
Bilby Lane Park	Local Recreation	Echidna Parade	NORTH LAKES	2,307
Denison Parade Park	Local Recreation	Denison Parade	NORTH LAKES	11,832

College Street Reserve	Local Recreation	College Street	NORTH LAKES	2,001
Shimao Crescent Park	Local Recreation	Shimao Crescent	NORTH LAKES	2,192
Cowen Terrace Park	Local Recreation	Cowen Terrace	NORTH LAKES	3,071
Grampion Circuit Park	Local Recreation	Grampion Circuit	NORTH LAKES	1,889
Brumby Parade Park	Local Recreation	Possum Parade	NORTH LAKES	6,566
Hotham Close Park	Local Recreation	Hotham Close	NORTH LAKES	3,786
Sunstone Circuit Park	Local Recreation	Bonnet Parade	MANGO HILL	6,953
Springsure Parade Park	Local Recreation	Springsure Parade	NORTH LAKES	8,268
Craig Park	Local Recreation	Tattler Street	MANGO HILL	5,201
Borbridge Street Park	Local Recreation	Borbridge Street	NORTH LAKES	3,715
Bettong Place Park	Local Recreation	Planigale Crescent	NORTH LAKES	2,408
Madison Avenue Park	Local Recreation	Madison Avenue	NORTH LAKES	3,242
Chalk Circuit Park	Local Recreation	Chalk Circuit	NORTH LAKES	3,008
Wildwood Circuit Park	Local Recreation	Wildwood Circuit	MANGO HILL	2,718
Riley Court Park	Local Recreation	Riley Court	NORTH LAKES	12,015
Emirates Street Park	Local Recreation	Sears Parade	NORTH LAKES	3,745
Greygum Street Park	Local Recreation	Greygum Street	NORTH LAKES	4,092
Mackintosh Drive Park	Local Recreation	MacKintosh Drive	NORTH LAKES	9,211
Canundra Street Park	Local Recreation	Canundra Street	NORTH LAKES	2,757
Tea-tree Place Park	Local Recreation	Kurrajong Circuit	NORTH LAKES	4,773
Settlers Park	Local Recreation	Pinnock Crescent	NORTH LAKES	5,749
Stodart Terrace Park	Local Recreation	Stodart Terrace	MANGO HILL	6,979
Quota Park	Local Recreation	Turnstone Circuit	NORTH LAKES	6,347
Nicklaus Parade Park	Local Recreation	Nicklaus Parade	NORTH LAKES	3,863
Koala Close Park	Local Recreation	Echidna Parade	NORTH LAKES	3,678
Archer Park	Local Recreation	Silvester Street	NORTH LAKES	1,998
Merion Crescent Park	Local Recreation	Augusta Parade	NORTH LAKES	11,083
Danzy Buchanan Park	Local Recreation	Kinsellas Road West	MANGO HILL	13,748
Stapylton Park	Local Recreation	Townley Drive	NORTH LAKES	7,068
Davenport Parade Park	Local Recreation	Davenport Parade	NORTH LAKES	4,090
Palmer Street Park	Local Recreation	Palmer Street	NORTH LAKES	1,901
Bridgeport Drive Park	Local Recreation	Bridgeport Drive	NORTH LAKES	2,916
Innes Street Park	Local Recreation	Palmerston Street	NORTH LAKES	2,607
Langham Crescent Park	Local Recreation	Shimao Crescent	NORTH LAKES	3,274
Wells Close Park	Local Recreation	Sears Parade	NORTH LAKES	9,674
Triumph Street Park	Local Recreation	Chase Crescent	NORTH LAKES	2,766
Morgan Street Park	Local Recreation	Astley Parade	NORTH LAKES	2,473
Pride Park	Local Recreation	Forrestal Circuit	NORTH LAKES	9,732
Garigal Street Park	Local Recreation	Magnetic Terrace	NORTH LAKE	3,373
Kangaroo Park	Local Recreation	Park Vista Drive	MANGO HILL	4,335
1 Jepson Street	Local Recreation	Jepson Street	MANGO HILL	1,996
Empire Street Park	Local Recreation	Empire Street	NORTH LAKES	2,201
Dawson Court Park	Local Recreation	Dickson Crescent	NORTH LAKES	1,193
Archer Close park	Local Recreation	Endeavour Boulevard	NORTH LAKES	2,473
Cook Street North	Local Recreation	Cook Court	NORTH LAKES	42,188

Sears Parade Park	Local Recreation	Trump Circuit	NORTH LAKES	19,023
Wolfe Street Park	Local Recreation	Wallarah Parade	NORTH LAKES	5,449
Gibbs Street Park	Local Recreation	Freeman Street	NORTH LAKES	2,830
McConarchy Park	Local Recreation	Silvester Street	NORTH LAKES	2,199
Kinsellas Road East Park	Local Recreation	Mango Hill Boulevard East	MANGO HILL	5,893
Starling Street Park	Local Recreation	Starling Street	MANGO HILL	1,384
Harrison Street Park	Local Recreation	Cowen Terrace	NORTH LAKES	6,206
Hirsch Court Park	Local Recreation	Hirsch Court	NORTH LAKES	1,766
Tribeca Circuit Park	Local Recreation	Tribeca Circuit	NORTH LAKES	1,684
Woodside Sports Ground	Local Sports Park	Gardenia Parade	NORTH LAKES	43,236
Aurora Boulevard Park	Local Sports Park	Aurora Boulevard	NORTH LAKES	59,992

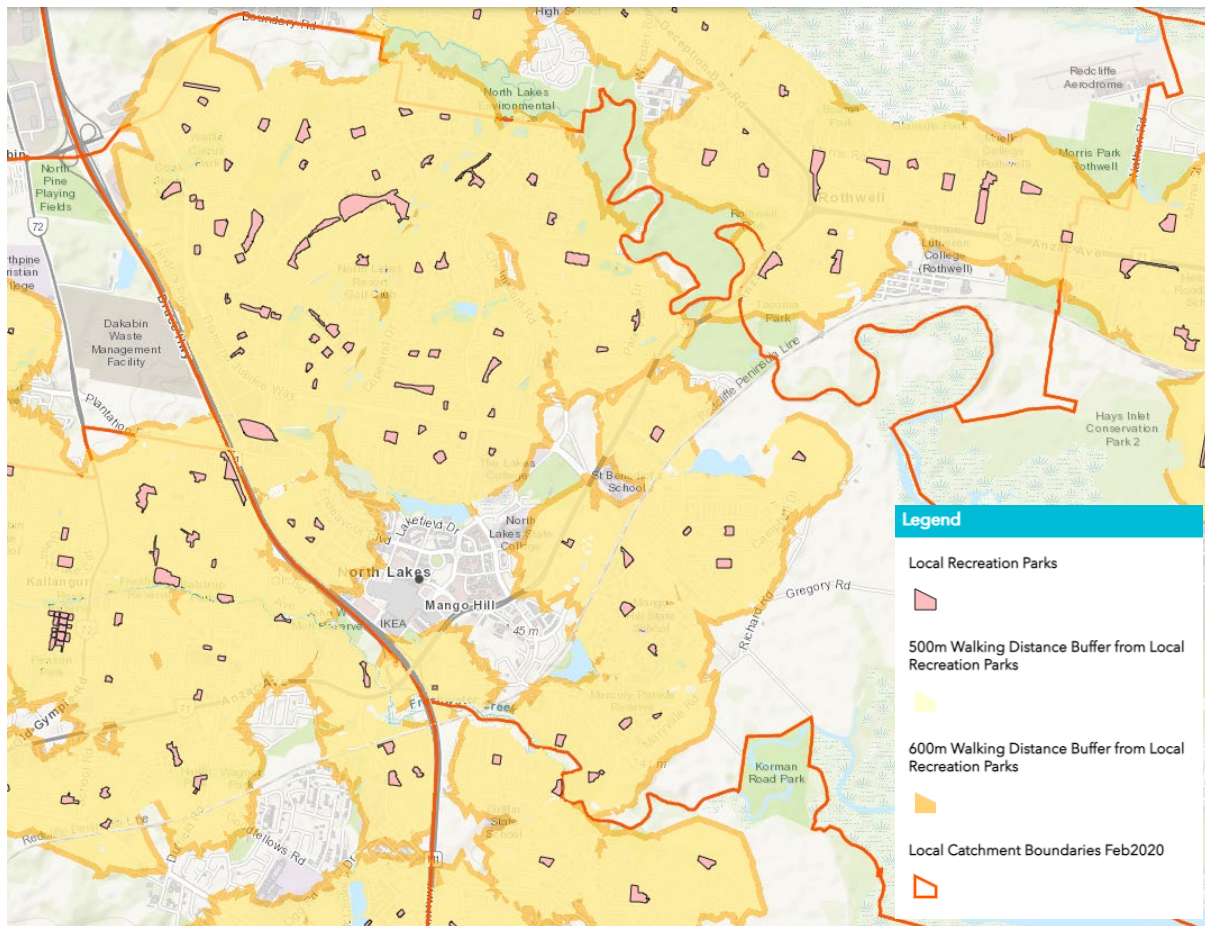
Table 94 shows the total for each type of local trunk park for North Lakes Mango Hill catchment.

TABLE 95 - TOTAL AREA OF LOCAL PARKS IN THE NORTH LAKES - MANGO HILL CATCHMENT

	Area m2	Area Ha
Total All local Parks	464,594	46.46
Total all local recreation parks	354,719	35.47
Total all local civic parks	6,648	0.66
Total all local sports parks	103,228	10.32

21.4 North Lakes- Mango Hill accessibility analysis

Map 70 illustrates the walkable catchment at 500m and 600m for each local park within the catchment. Most areas are well serviced in terms of local recreation parks. These parks in the North Lakes neighbourhood were provided under the North Lakes Infrastructure Agreement which accompanied the DCP for the area. This area was master planned at its inception and parks were delivered generally in accordance with the masterplan. The standards and level of parks were slightly different within this area to the rest of the region.



MAP 67 - WALKABILITY NORTH LAKES - MANGO HILL

21.5 North Lakes - Mango Hill catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 96, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 93 above.

TABLE 96 -NORTH LAKES- MANGO HILL LAND PROVISION ANALYSIS

NORTH LAKES / MANGO HILL	2016	2021	2026	2031	2036	Ultimate
Population	31,559	39,966	44,735	50,951	51,948	55,320
Supply needed to meet DSS (ha)	31.6	40.0	44.7	51.0	51.9	55.3
Current supply (ha)	46.46	46.46	46.46	46.46	46.46	46.46
Excess or shortfall analysis (ha)	14.9	6.5	1.7	-4.5	-5.5	-8.9

21.6 North Lakes Mango Hill recommendations for public parks solutions

Table 97 includes the recommendations for future public parks in the North Lakes - Mango Hill catchment noting that the infrastructure agreement over North Lakes is still in place at the time of analysis.

TABLE 97 - RECOMMENDATIONS FOR FUTURE LOCAL RECREATION PARKS MANGO HILL

Reference	Location	Type	Solution
OS-98	Mango Hill Local Recreation	Local Park	New Land & Embellishments
OS-99	Mango Hill Local Recreation	Local Park	New Land & Embellishments
OS-2219	1 Lighthorse Court & 5 Kinsella Road	Local Park	New Land & Embellishments
OS-2220	1835 Anzac Ave Mango Hill	Local Park	New Land & Embellishments

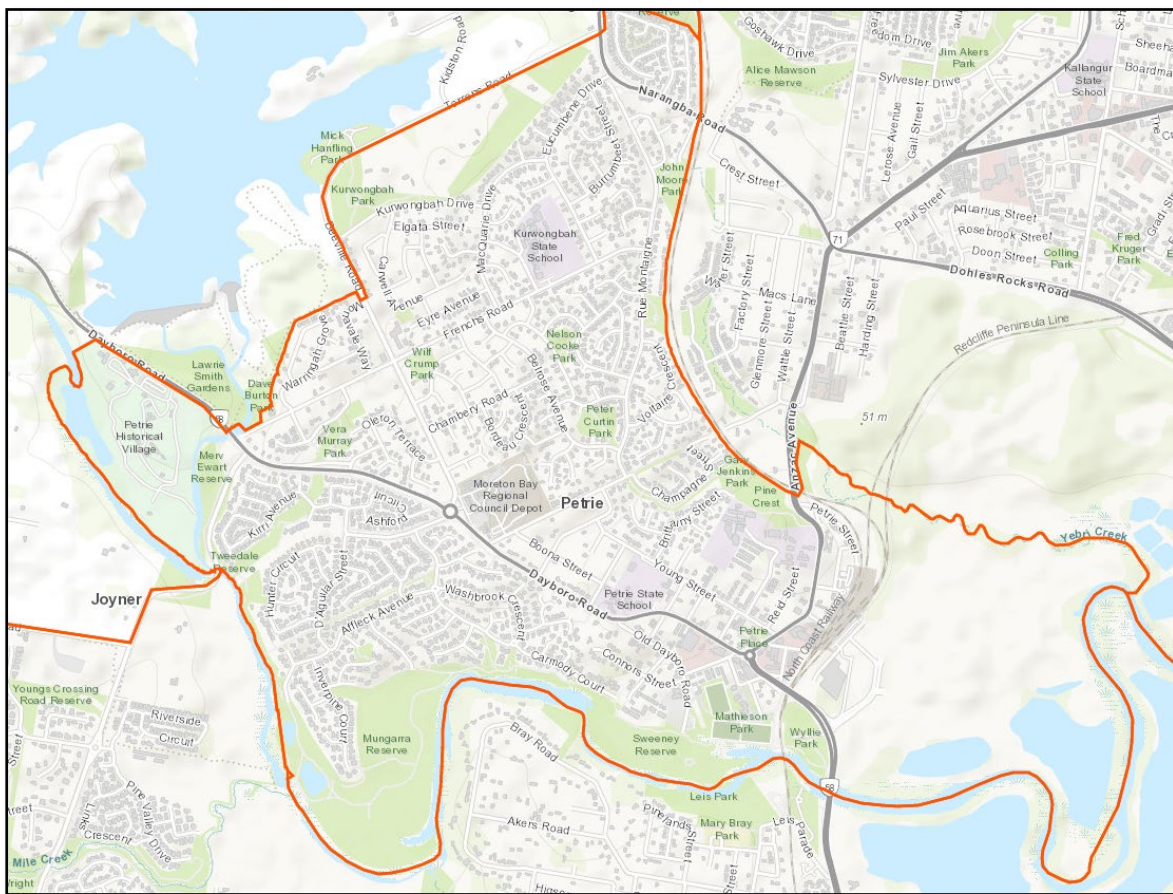
It is noted that to meet the 200m walking distance desired for local recreation parks in the urban residential precinct (Moreton Bay Regional Council Planning Scheme Policy - Attachment B) therefore OS-99 should be providing two local recreation parks 400m apart. An additional item should be added to the SOW to facilitate this need.

22 Local Catchment - Petrie Village - Local Recreation Analysis

22.1 Petrie Village profile summary

The Petrie local area is situated between the suburbs of Kallangur in the east, Lawnton in the south and Dayboro in the west and north. The suburb contains urban land uses and suburban detached dwellings. There is limited land for greenfield development. The Mill, a USC campus will be located within this local area. The existing railway line adjoins the suburb in the east, and the first station of the Moreton Bay Rail Link is located within this area.

The major features of Petrie include Pine Rivers Heritage Museum, Petrie Village Shopping Centre, Mungarra Reserve, Sweeny Reserve, Bray Hall Community Centre, Gordon Lookout and several schools.



MAP 68 - LOCAL CATCHMENT BOUNDARY - PETRIE

22.2 Population growth assumptions

The population assumptions for this local catchment are shown in Table 98. The population in the 2021 assumption is 9,733 residents, an anticipated growth to 11,791 in 2036 is a total increase of 2409. Most of this development is through infill development of existing suburban residential style development. With the development of the new university at the Mill site demand for higher density forms of housing should see the redevelopment of several potential sites in the catchment.

TABLE 98 - LOCAL CATCHMENT POPULATION ASSUMPTIONS

Petrie Village	2016	2021	2026	2031	2036	Ultimate
Population	9,382	9,733	9,926	10,738	11,791	15,362
5-year population growth	262	350	193	812	1,054	5,979
Percentage	2.9%	3.7%	2%	8.2%	9.8%	46.7%

22.3 Petrie Village current supply of Local Recreation parks

The existing supply of local recreation parks within Petrie Village local catchment are shown in Table 99. There are 16 local recreation parks with a total area of 16.1ha. Two local civic parks are included in the list, Petrie Place and Marion McKay Park

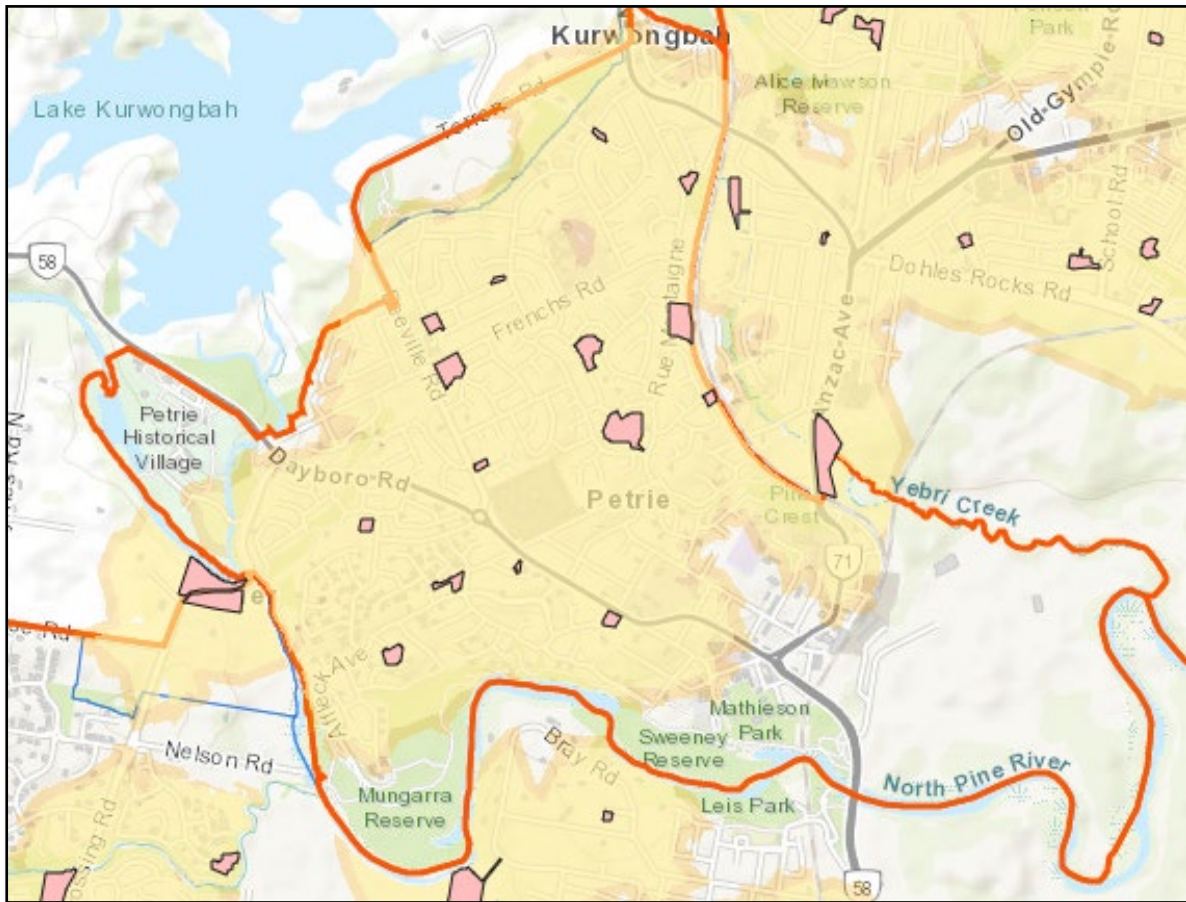
TABLE 99 - PETRIE VILLAGE - CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park Name	Classification	Address	Suburb	Area m2
Petrie Place	Local Civic Park	Anzac Avenue	PETRIE	4760.78
Marion McKay Park	Local Civic Park	Old Dayboro Road	PETRIE	118.69
Waratah Park	Local Recreation	Rue Montaigne	PETRIE	12002.60
Gordon Jackson Lookout	Local Recreation	Dayboro Road	PETRIE	3028.51
John Moore Park	Local Recreation	Hanlon Road	PETRIE	3477.88
Augustins Crescent Park	Local Recreation	Augustins Crescent	PETRIE	2006.16
Greg Pascoe Park	Local Recreation	Beeville Road	PETRIE	1814.46
Wilf Crump Park	Local Recreation	Frenchs Road	PETRIE	9724.69
Nelson Cooke Park	Local Recreation	Woodlands Avenue	PETRIE	8827.46
Peter Curtin Park	Local Recreation	Deckle Road	PETRIE	17729.75
Eucumbene Park	Local Recreation	Eucumbene Drive	PETRIE	1199.20
Sir Albert Jennings Park	Local Recreation	Macquarie Drive	PETRIE	1380.80
Homestead Park	Local Recreation	Homestead Place	PETRIE	4636.55
Camion Park	Local Recreation	Dayboro Road	PETRIE	996.60
Peter Brennand Park	Local Recreation	Affleck Avenue	PETRIE	3897.72
Les Young Park	Local Recreation	Carwell Avenue	PETRIE	4136.69
Kul-la Park	Local Recreation	Kurrumba Drive	PETRIE	2497.42
Mathieson Park	Local Sports Park	Mundin Street	PETRIE	57339.97
Ruth Whitfield Park	Local recreation	Anzac Avenue	PETRIE and Kallangur	21809.07
Total				161385.00

22.4 Petrie Village accessibility analysis

The walkability mapping indicated that most areas within the Petrie catchment have access to a local recreation park within the 500m or 600m walkability distance (Map 69). There are some areas towards the civic centre that have a lower level of accessibility - these areas are within the walkability catchment of Petrie Place civic park.

The developing regional park at the Mill site will provide a great amenity for residents of the Petrie Village even though as a PDA it is outside consideration for the LGIP process.



MAP 69 - ACCESSIBILITY FOR PETRIE LOCAL RECREATION PARKS

22.5 Petrie Village catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 100, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 98 above. The table indicates that there is sufficient area to population ratio to meet the current DSS.

TABLE 100 - LAND PROVISION ANALYSIS PETRIE VILLAGE

PETRIE VILLAGE	2016	2021	2026	2031	2036	Ultimate
Population	9,382	9,733	9,926	10,738	11,791	15,362
DSS required land (ha)	9.38	9.73	9.93	10.74	11.79	15.36
Current provision (ha)	16	16	16	16	16	16
Balance surplus (ha)	7	6	6	5	4	1

22.6 Petrie Village recommendations for public park solutions

Two recommendations are made for the Petrie local catchment, both have existing LGIP items associated with their upgrades.

One is a regional recreation park at Petrie historic village, the timeframe for this item is pushout to a later date with the development of a regional type facility at The Mill site. While this park is not within the PIA and is separately considered in terms of the PDA, the park will serve the regional area with a new park facility at a regional level.

TABLE 101 - RECOMMENDED PARK SOLUTION PETRIE VILLAGE

Item ID	Park and Location	Classification	Comments
OS13	Sweeney Reserve	District Recreation Park	Still required

23 Local Catchment - Redcliffe Peninsula - Local Recreation Analysis

23.1 Redcliffe Peninsula profile summary

The Redcliffe local area includes the suburbs of Scarborough, Newport, Kippa-Ring, Clontarf, Margate, Woody-Point and Redcliffe. The area is bounded by Deception Bay in the north, Moreton Bay in the east and south and North Lakes / Mango Hill in the west. The Redcliffe local area is predominately an established urban residential area, containing substantial commercial uses along Anzac Avenue, Sutton Street and Oxley Avenue and industrial sites within Clontarf. The local area is characterised by the natural features of Moreton Bay and contains the recent residential area of Newport, which is being built with a new lake.



MAP 70 - LOCAL CATCHMENT REDCLIFFE PENINSULA

Some of the major features in the Redcliffe local area include the Scarborough Boat Harbour, Moreton Island Ferry, Newport Marina, Peninsula Fair Shopping Centre, Kippa-Ring Village Shopping Centre, Redcliffe Cemetery,

Peninsula Private Hospital, Chelsea Street Environmental Reserve, Redcliffe CBD, Brisbane North institute of TAFE, Blue Water Square Shopping Centre, Redcliffe Hospital, Redcliffe Paceway, Redcliffe Museum, Redcliffe Cultural Centre, Redcliffe City Art Gallery, Redcliffe Botanic gardens, Redcliffe Showground, Redcliffe Jetty, Redcliffe War Memorial Pool, Redcliffe Golf Club, Hayes Inlet Conservation Park, Clontarf Bayside Plaza, Clontarf Wastewater Treatment Plant, Kroll Gardens, Ray Frawley Fields, Margate CBD, Gayundah Coastal Arboretum and Woody Point Jetty. See Map 70 for the definition of the boundary of Redcliffe Peninsula local catchment.

23.2 Redcliffe Peninsula Population growth assumptions

The population assumptions for the Redcliffe Peninsula local catchment are shown in Table 102, the assumption show a strong growth across this area with an overall lift of 87.2 percent from 2016 to ultimate, an increase from 54,732 to 102,469. Within the LGIP timeframe the population is expected to grow from the base year 2016 by 43.8 percent or 23980 residents.

TABLE 102 - REDCLIFFE PENINSULA LOCAL CATCHMENT POPULATION ASSUMPTIONS

REDCLIFFE PENINSULA	2016	2021	2026	2031	2036	Ultimate
Population	54,732	58,320	64,925	70,142	78,712	102,469
5-year growth	1,564	3,588	6,605	5,217	8,570	47,737*
Percentage	2.9%	6.6%	11.3%	8.0%	12.2%	87.2%*

*growth from 2016 to ultimate

23.3 Redcliffe Peninsula current supply of Local Recreation Parks

There are 50 local recreation parks across the Redcliffe peninsula, they range in size from 1115m² to 4 hectares, not all meet the desired standards of service (minimum 5000m²) as they were developed under previous trunk infrastructure standards. There are two local civic parks at Redcliffe Point and Sutton Street. Table 2 also includes nine local sports parks.

TABLE 103 - CURRENT SUPPLY OF LOCAL PARKS - REDCLIFFE PENINSULA

Park	Classification	Address	Suburb	Area m ²
153 Sutton Street	Local Civic Park	Sutton Street	REDCLIFFE	390m ²
Bee Gees Way	Local Civic Park	Redcliffe Parade	REDCLIFFE	676 m ²
Charlish Park	Local Civic Park	Redcliffe Point	REDCLIFFE	7,860 m ²
Tom Curry Park	Local Recreation	Mayleen Street	CLONTARF	1,115 m ²
Chartwell Park	Local Recreation	Chartwell Street	MARGATE	1,261 m ²
Mackenzie Park (Redcliffe)	Local Recreation	MacKenzie Street	REDCLIFFE	1,617 m ²
Intrepid Park	Local Recreation	Intrepid Court	NEWPORT	1,663 m ²
Jim & Clarice Gibson Park	Local Recreation	Woodcliffe Crescent	WOODY POINT	1,683 m ²
Cooper Park	Local Recreation	Vista Court	NEWPORT	1,745 m ²
Paradise Park	Local Recreation	Paradise Court	CLONTARF	1,747 m ²

Mahogany Park	Local Recreation	\Mahogany Court	MARGATE	2,179 m ²
Donkin Street Park	Local Recreation	Donkin Street	SCARBOROUGH	2,300 m ²
Lancaster Park	Local Recreation	Amersham Street	KIPPA-RING	2,330 m ²
Bingarra Park	Local Recreation	Tudor Court	MARGATE	2,496 m ²
Graham Higham Park	Local Recreation	Ashmole Road	NEWPORT	2,742 m ²
Marsala Park	Local Recreation	Yalumba Street	KIPPA-RING	3,062 m ²
Tom Wallace Park	Local Recreation	Eversleigh Road	SCARBOROUGH	3,118 m ²
Redcliffe Peninsula Lions Memo	Local Recreation	Woodcliffe Crescent	WOODY POINT	3,151 m ²
Jim Finlay Park	Local Recreation	Endeavour Esplanade	NEWPORT	3,430 m ²
John Oxley Park	Local Recreation	Marine Parade	REDCLIFFE	3,436 m ²
Pask Park	Local Recreation	Tequila Street	KIPPA-RING	3,502 m ²
Walker Park	Local Recreation	Barossa Street	KIPPA-RING	3,699 m ²
Southern Cross Park	Local Recreation	Southern Cross Drive	NEWPORT	3,935 m ²
Grant Park	Local Recreation	Grant Street	REDCLIFFE	4,226 m ²
Carrick Park	Local Recreation	Alkooie Avenue	CLONTARF	4,454 m ²
Robert Dalton Park	Local Recreation	Williams Street	REDCLIFFE	4,579 m ²
Yourell Park	Local Recreation	Isobel Street	CLONTARF	4,637 m ²
Tingira Park	Local Recreation	Second Avenue	SCARBOROUGH	4,765 m ²
Amity Park	Local Recreation	Drambuie Court	KIPPA-RING	4,986 m ²
Kirami Park	Local Recreation	Korsch Street	KIPPA-RING	5,040 m ²
Mungara Park	Local Recreation	Clark Court	REDCLIFFE	6,344 m ²
Greg Enright Park	Local Recreation	Willoughby Court	KIPPA-RING	6,421 m ²
Owens Park	Local Recreation	Fernlea Avenue	SCARBOROUGH	6,692 m ²
Macfarlane Park	Local Recreation	MacFarlane Street	KIPPA-RING	6,748 m ²
Atlanta Court Park	Local Recreation	Atlanta Court	NEWPORT	7,130 m ²
Kalowen Park	Local Recreation	Dalton Street	KIPPA-RING	7,441 m ²
Roma Park	Local Recreation	Roma Street	SCARBOROUGH	8,103 m ²
Pikett Park	Local Recreation	Camellia Street	CLONTARF	8,808 m ²
Morgan Park	Local Recreation	Beacon Crescent	NEWPORT	10,696 m ²
Taradale Park	Local Recreation	Wanganui Street	KIPPA-RING	11,550 m ²
Bill Rogers Park	Local Recreation	Elizabeth Avenue	CLONTARF	11,808 m ²
Fleet Drive Park	Local Recreation	Strand Court	KIPPA-RING	13,324 m ²

Henry Pieper Park	Local Recreation	Anzac Avenue	KIPPA-RING	13,439
Lahore Park	Local Recreation	Whytecliffe Parade	WOODY POINT	13,439 m ²
Atkinson Park	Local Recreation	Centaur Street	KIPPA-RING	13,680 m ²
Pearson Park	Local Recreation	Klingner Road	REDCLIFFE	14,668 m ²
Daphne Carpenter Park	Local Recreation	MacDonnell Road	CLONTARF	15,221 m ²
Bellevue Park	Local Recreation	Sportsground Street	REDCLIFFE	16,171 m ²
Woody Point Park	Local Recreation	Hornibrook Esplanade	WOODY POINT	21,904 m ²
Sunstate Park	Local Recreation	Arafura Court	KIPPA-RING	39,689 m ²
MJ Brown Park	Local Recreation	Cedar Street	CLONTARF	42,953 m ²
Oxley Avenue Park	Local Sports Park	Oxley Avenue	WOODY POINT	9,809 m ²
Redcliffe Tennis Centre	Local Sports Park	Lamington Drive	REDCLIFFE	18,488 m ²
A.J. (Jock) Kelly Park	Local Sports Park	Dorall Street	KIPPA-RING	23,601 m ²
Filmer Park	Local Sports Park	Georgina Street	WOODY POINT	25,899 m ²
Langdon Park	Local Sports Park	Mabel Street	MARGATE	26,103 m ²
Bradley Park	Local Sports Park	Victoria Avenue	REDCLIFFE	26,335 m ²
Ray Frawley Fields	Local Sports Park	Silcock Street	CLONTARF	33,260 m ²
Dalton Park	Local Sports Park	Maine Road	CLONTARF	42,866 m ²
K.R. Benson Park	Local Sports Park	Maine Road	CLONTARF	58,666 m ²
Spinnaker Park	To Be Completed	Lakeview Promenade	NEWPORT	8,200 m ²

TABLE 104 - FUTURE PROPOSED PARKS IN REDCLIFFE PENINSULA - AWAITING DEVELOPER COMPLETION

Park	Status	Address	Suburb	Area m ²
Spinnaker Park	To Be Completed	Lakeview Promenade\Spinnaker Park	NEWPORT	8200 m ²
Central Park	To Be Completed	Tasmania Avenue\Central Park	NEWPORT	3810 m ²
Total future proposed and preliminary approval				12,010 m²

TABLE 105 - TOTALS BY PARK TYPE REDCLIFFE PENINSULA LOCAL CATCHMENT

Total area of local parks including civic parks	66.5ha
Total area of local recreation parks	65.6ha
Total area of local civic parks	0.89ha
Total foreshore park area	53.2ha

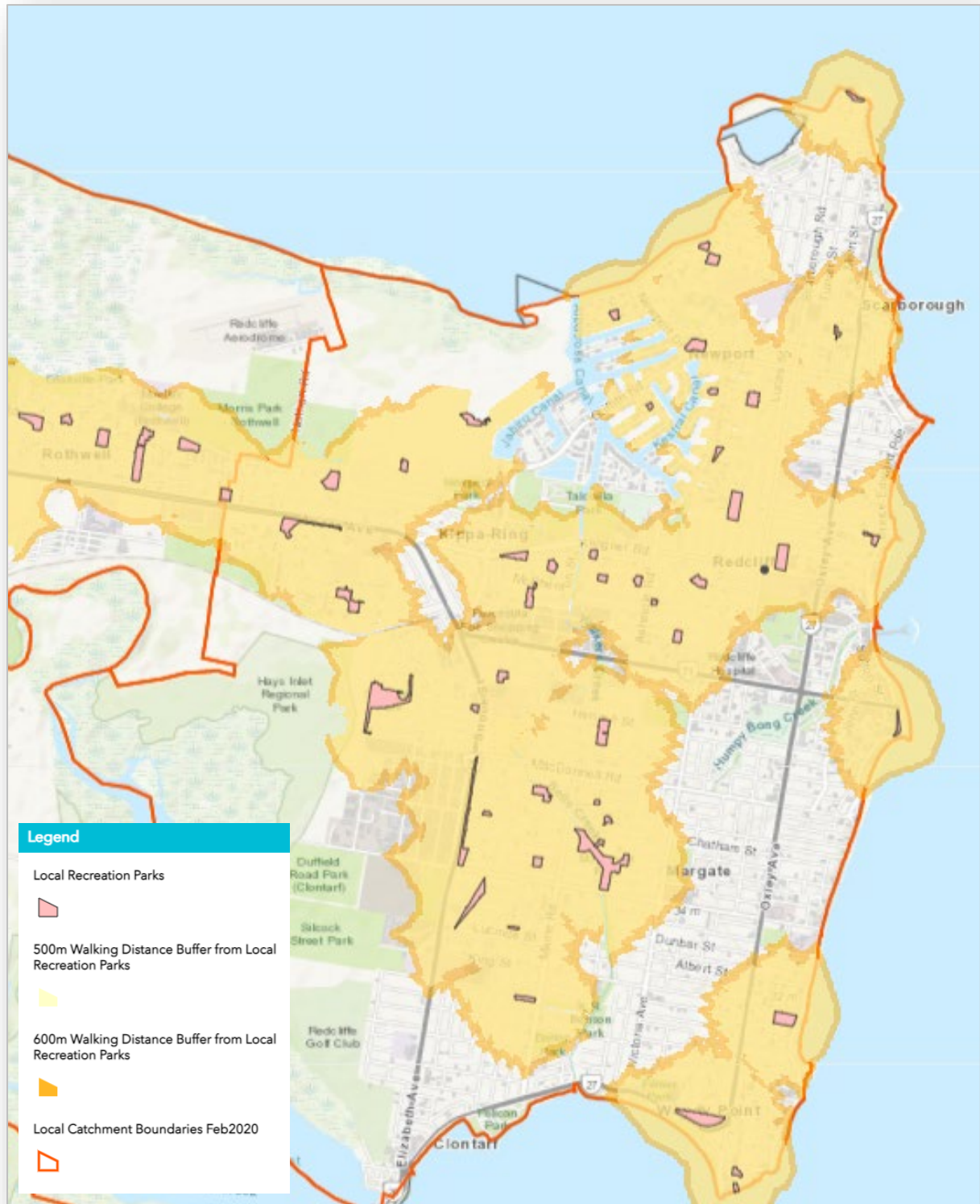
It is noted that the foreshore parks have a significant recreational role for the local Redcliffe Peninsula catchment.

TABLE 106 - FORESHORE PARKS REDCLIFFE PENINSULA

Park	Type	Address	Suburb	Area
Thurecht Park	Regional	Thurecht Parade	SCARBOROUGH	22,832
Gayundah Arboretum Park	Regional	Gayundah Esplanade	WOODY POINT	23,376
Scarborough Beach Park	Regional	Landsborough Avenue	SCARBOROUGH	62,573
Crockatt Park	Regional	Oxley Avenue	WOODY POINT	60,386
Bill Marsh Lookout Park	Regional	Landsborough Avenue	SCARBOROUGH	1,590
Queens Beach Park	Regional	Flinders Parade	SCARBOROUGH	40,298
Endeavour Park	Regional	Endeavour Esplanade	NEWPORT	48,106
Jamieson Park	Regional	Reef Point Esplanade	SCARBOROUGH	11,230
Youth Park	Regional	Marine Parade	REDCLIFFE	8,784
Rotary Park	Regional	Redcliffe Parade	REDCLIFFE	2,449
Bells Beach Park	Regional	Hornibrook Esplanade	CLONTARF	10,752
Captain Cook Park	Regional	Redcliffe Parade	REDCLIFFE	8,562
Bicentennial Park	Regional	Hornibrook Esplanade	WOODY POINT	25,686
Anzac Place	Regional	Redcliffe Parade	REDCLIFFE	5,462
Jamieson Park	Regional	Reef Point Esplanade	SCARBOROUGH	11,230
Settlement Cove Park	Regional	Redcliffe Parade	REDCLIFFE	32,188
Suttons Beach Park	Regional	Redcliffe Point	REDCLIFFE	24,844
Pelican Park	Regional	Hornibrook Esplanade	CLONTARF	76,021
Scotts Point Progress Park	Regional	Whytecliffe Parade	WOODY POINT	11,433
Margate Beach Park	Regional	Margate Parade	MARGATE	12,434
Apex Park (Woody Point)	Regional	Oxley Avenue	WOODY POINT	5,305
Clontarf Beach Park	Regional	Hornibrook Esplanade	CLONTARF	26,588
Total Regional Foreshore Parks Redcliffe Peninsula				532,128

23.4 Redcliffe Peninsula accessibility analysis

Map 71 indicates the 500m and 600m walkability of local recreation parks in the Redcliffe peninsula catchment. There are several areas with gaps where accessibility is within the standard. It should also be noted that the local foreshore parks are not picked up within this mapping and they provide considerable amenity and recreation opportunities for those who live within walking distance as well as a district and regional function.



MAP 71 - WALKABILITY ANALYSIS REDCLIFFE CATCHMENT

23.5 Redcliffe catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 3, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 102 above.

TABLE 107 - LAND PROVISION ANALYSIS REDCLIFFE PENINSULA

REDCLIFFE PENINSULA	2016	2021	2026	2031	2036	Ultimate
Population	54,732	58,320	64,925	70,142	78,712	102,469
DSS land requirement	54.73	58.32	64.93	70.14	78.71	102.47
Current provision	65.61	65.61	65.61	65.61	65.61	65.61
Balance	10.88	7.29	0.68	-4.53	-13.10	-36.86
Foreshore parks	53.2	53.2	53.2	53.2	53.2	53.2
Balance with foreshore parks	42.32	45.91	52.52	48.67	40.1	16.34

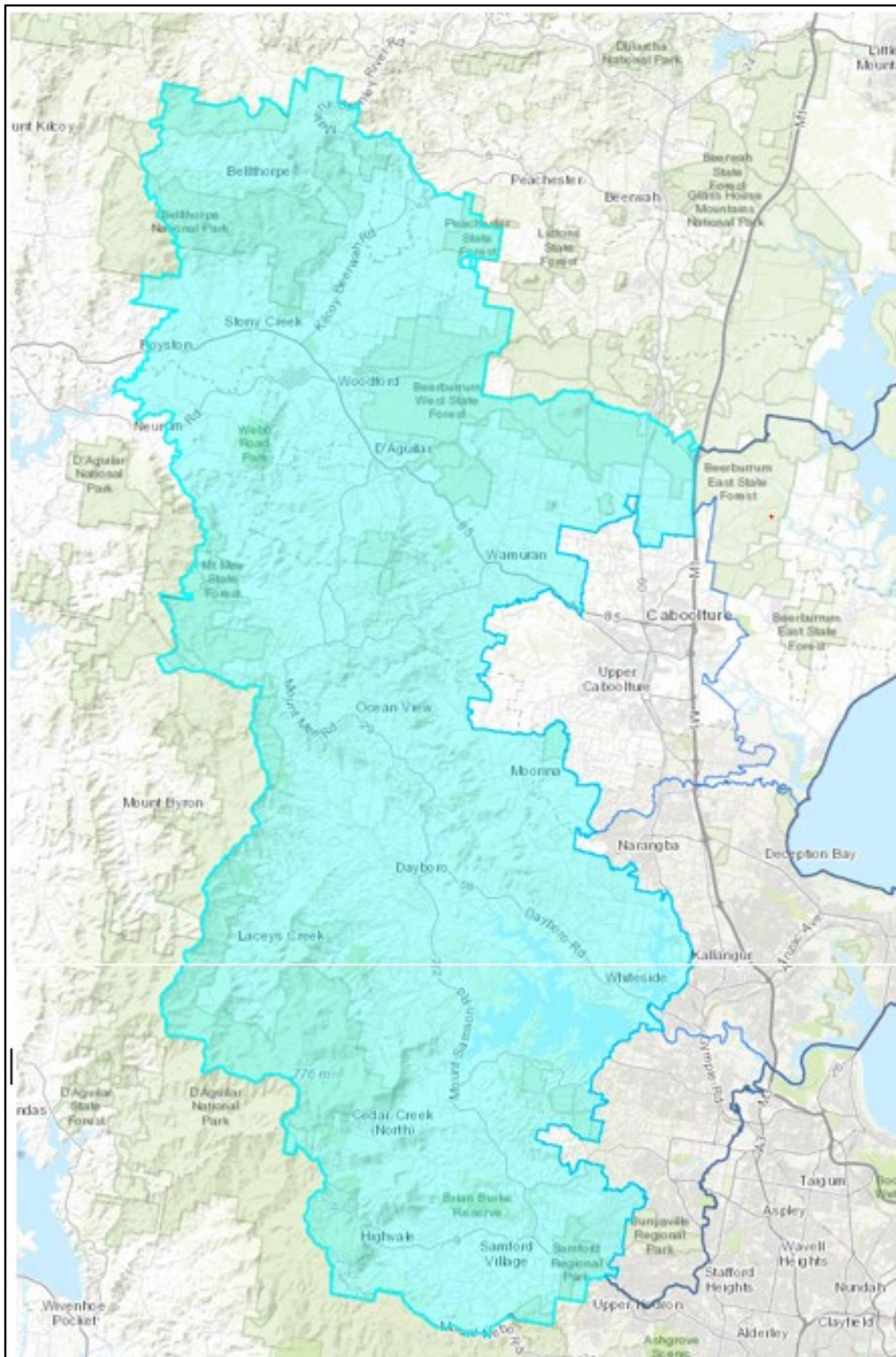
23.6 Recommendations for public parks solutions

Table 108 sets out the recommendations for trunk park development in Redcliffe local catchment

TABLE 108 - RECOMMENDATIONS FOR PUBLIC PARKS WITHIN THE REDCLIFFE PENINSULA CATCHMENT

Reference	Park	Suburb	Park Type	Solution
OS-01	Barry Bolton Park	Margate	District Park	Upgrade Embellishments
OS-06	Kroll Gardens Clontarf	Clontarf	District Park	Upgrade Embellishments
OS-24	Ray Frawley Fields (Clontarf)	Clontarf	District Park	Upgrade Embellishments
OS-25	Margate District Civic	Margate	District Civic	Investigation/Indicative
OS-31	Endeavour Park	Scarborough	Regional Park	Upgrade Embellishments
OS-32	Scarborough Beach Park	Scarborough	Regional Park	Upgrade Embellishments
OS-51	Redcliffe Showgrounds	Redcliffe	District Sporting Facility	Upgrade Embellishments
OS-55	Redcliffe Civic Regional	Redcliffe	Regional Urban Civic	New Land & Embellishments
OS-68	Pearson Park	Redcliffe	Local Park	Upgrade Embellishments
OS-152	Lahore Park	Margate	Local Park	Upgrade Embellishments
OS-2215	Bank Street Margate	Margate	Local Park	New Land & Embellishments
CI-02	Community hall - District	Kippa-Ring	Community facility land	Land
CI-2202	Community hall - District	Scarborough	Community facility land	Land

24 Rural -District Catchment - District Recreation Analysis



MAP 72 - RURAL DISTRICT CATCHMENT

24.1 Rural District Profile Summary

The Rural district catchment is the largest physical area with a predominantly agriculture and open space character Map 72. The population of this catchment is focused in village areas such as Samford, Woodford, D'Aguilar, and Dayboro.

The combined population of the rural district is 34,128 in 2016 which is assumed to increase by 8186 to 2036. The desired standards of service change for the rural and rural residential place types. The focus of public parks will be in the village areas are demonstrated in the local catchment analysis to follow.

24.2 Population growth assumptions

The population assumptions for this district catchment are shown in the following Table 109. The population of the rural area is expected to grow from 34,128 in 2016 to 42,314 in 2036. This represents a 24% growth or an additional 8,186 residents.

TABLE 109 - RURAL DISTRICT AREA POPULATION ASSUMPTIONS

Rural	2016	2021	2026	2031	2036	Ultimate
Population	34,128	35,532	37,880	39,818	42,314	47,106
Growth over 5 years	2,476	1,404	2,349	1,938	2,495	4,793
% growth over 5 years	8%	4%	7%	5%	6%	11%

24.3 Current supply of Rural District Recreation Parks

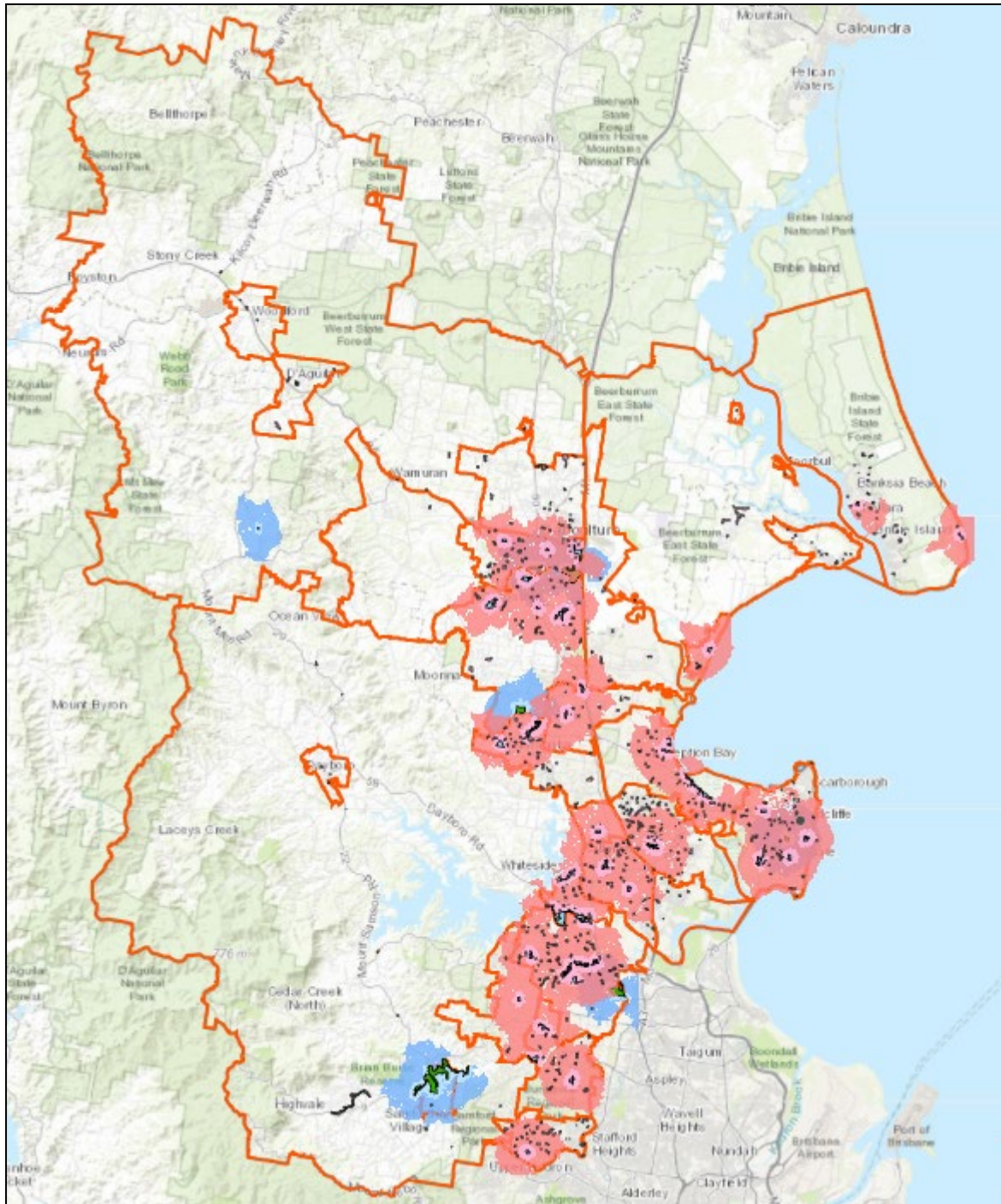
The existing supply of District Recreation parks and sports parks within this catchment are shown in Table 110. There are ten parks included within these definitions with a total area of 92.26 hectares. 50.8 hectares of district sport and 12.14 hectares of district recreation, there is a further 28.97 hectares of local sports which support the accessibility and provision of sports facilities in this dispersed community.

TABLE 110 - EXISTING SUPPLY OF PUBLIC PARKS IN RURAL CATCHMENT

Long Description	Park Type	Asset Location	Suburb	Area m ²
Kurwongbah Park	District Recreation	Torrens Road	PETRIE	124154
Woodford Showgrounds	District Sports	Neurum Road	Woodford	186848
Wamuran Sports Association	District Sports	Forest Creek Place	WAMURAN	120700
Woodford Sports Complex	District Sports	Neurum Road	WOODFORD	85186
Elimbah Sports Centre	District Sports	Elimbah Sports Drive	ELIMBAH	115980
Alan Cash Park	Local Sports	Main Street	SAMFORD VILLAGE	37208
Edward Loudon Park	Local Sports	Kadanga Court	HIGHVALE	12387
Mount Mee Sports Association	Local Sports	Robinson Road	MOUNT MEE	5767
Harold Brown Park	Local Sports	Richards Road	WIGHTS MOUNTAIN	154924
Mount Mee Sportsgrounds	Local Sports	Thomas Road	MOUNT MEE	79454

24.4 Rural District accessibility analysis

This region is noted for its dispersed pattern of development. District recreation and sports are focused on the village areas which are attractors for residents. Accessibility to district level parks is limited within the Rural catchment Map 73.



MAP 73 RURAL DISTRICT CATCHMENT - ACCESSIBILITY ANALYSIS

24.5 Rural District Catchment analysis

The desired standards of service outline a target of 0.6 hectare of land for district recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 111, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 109 above.

TABLE 111 - RURAL DISTRICT CATCHMENT LAND PROVISION ANALYSIS

Rural (District)	2016	2021	2026	2031	2036	Population Ultimate
Population	34,128	35,532	37,880	39,818	42,314	47,106
Supply needed to meet DSS (Ha) 0.6/1000	20.48	21.32	22.73	23.89	25.39	28.26
Current supply (Ha)	12.43	12.43	12.43	12.43	12.43	12.43
Excess or shortfall analysis (Ha)	-8.05	-8.89	-10.30	-11.46	-12.96	-15.83

24.6 Rural District recommendations for public park solutions

Table 112 outlines the recommendations for public parks in the rural catchment.

TABLE 112 - RECOMMENDATIONS FOR PUBLIC PARKS IN RURAL CATCHMENT

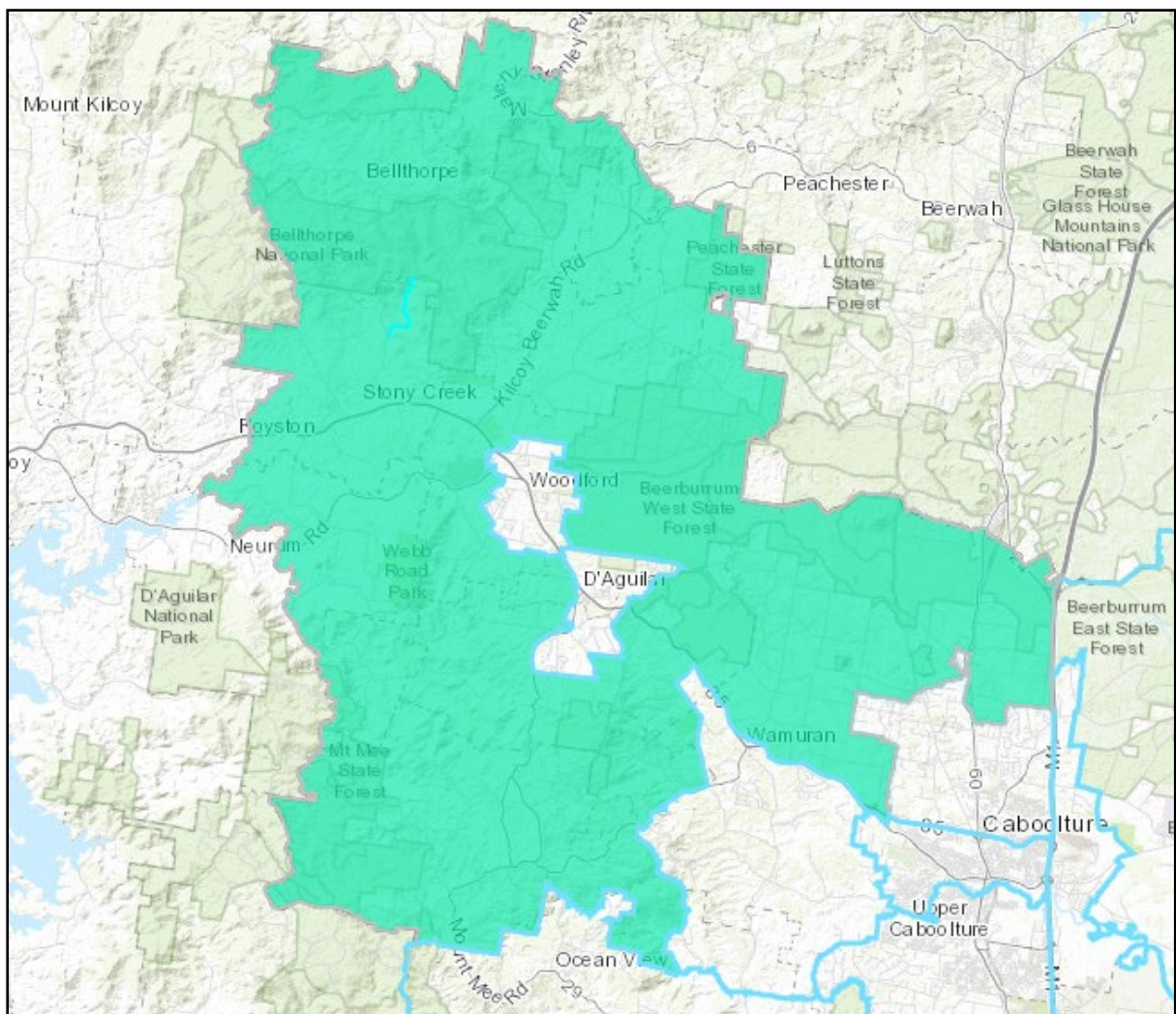
Reference	Park	Park Type	Solutions	Location
OS-02	Alan Cash Park	District Sporting Facility	Upgrade Embellishments	Samford Village
OS-03	Wamuran District Sport	District Sporting Facility	New Land & Embellishments	Wamuran
OS-09	Dayboro District Civic	District Civic	Embellishments Only	Dayboro
OS-27	Dayboro District Sport	District Sporting Facility	Embellishments Only	Dayboro
OS-41	Samford Parklands	District Sporting Facility	Upgrade Embellishments	Samford Village
OS-42	Samford Parklands	Regional Park	Upgrade Embellishments	Samford Village
OS-139	Dayboro Local Recreation	Local Park	New Land & Embellishments	Dayboro
OS-142	Woodford Local Recreation Park	Local Park	New Land & Embellishments	Woodford
OS-2228	Campbell's Pocket Park	District Park	Embellishments Only	Wamuran

25 Local Catchment - Rural North - Local Recreation Analysis

25.1 Rural North profile Summary

The Rural North local area contains several localities including Campbells Pocket, Mount Mee, Mount Delaney, Delaney's Creek, Neurum, Stony Creek, Bellthorpe, Booroobin, Cedarton, Stanmore, Commissioners Flat, Elimbah, Bracalba, Wamuran and Elimbah. The local area includes large expanses of rural, agricultural and natural land. The area spans from Campbells Pocket to Mt Mee in the southwest and Elimbah to Bellthorpe in the northwest.

The major features in the Rural North local area include Woodfordia, the Woodford Prison, Beerburum West State Forest, Delaney's Creek State Forest, Mount Mee State Forest, Glass House Mountains National Park, Bellthorpe State Forest and Peachester State Forest.



MAP 74 - RURAL NORTH LOCAL CATCHMENT

25.2 Rural North local catchment population growth assumptions

The population assumptions for this local catchment are shown in Table 113.

TABLE 113 - LOCAL CATCHMENT POPULATION ASSUMPTIONS - RURAL NORTH

Rural North	2016	2021	2026	2031	2036	Ultimate
Population	4,527	4,519	4,506	4,548	4,534	4,590
5-year growth	111	-8	-13	42	-14	64*
5-year growth as percentage	2.5	-0.2	-0.3	0.9	-0.3	1.4%*

*Note growth from 2016 to Ultimate growth assumption

25.3 Rural North local catchment current supply of Local Recreation parks

The existing supply of local recreation parks within this local catchment are shown in Table 114.

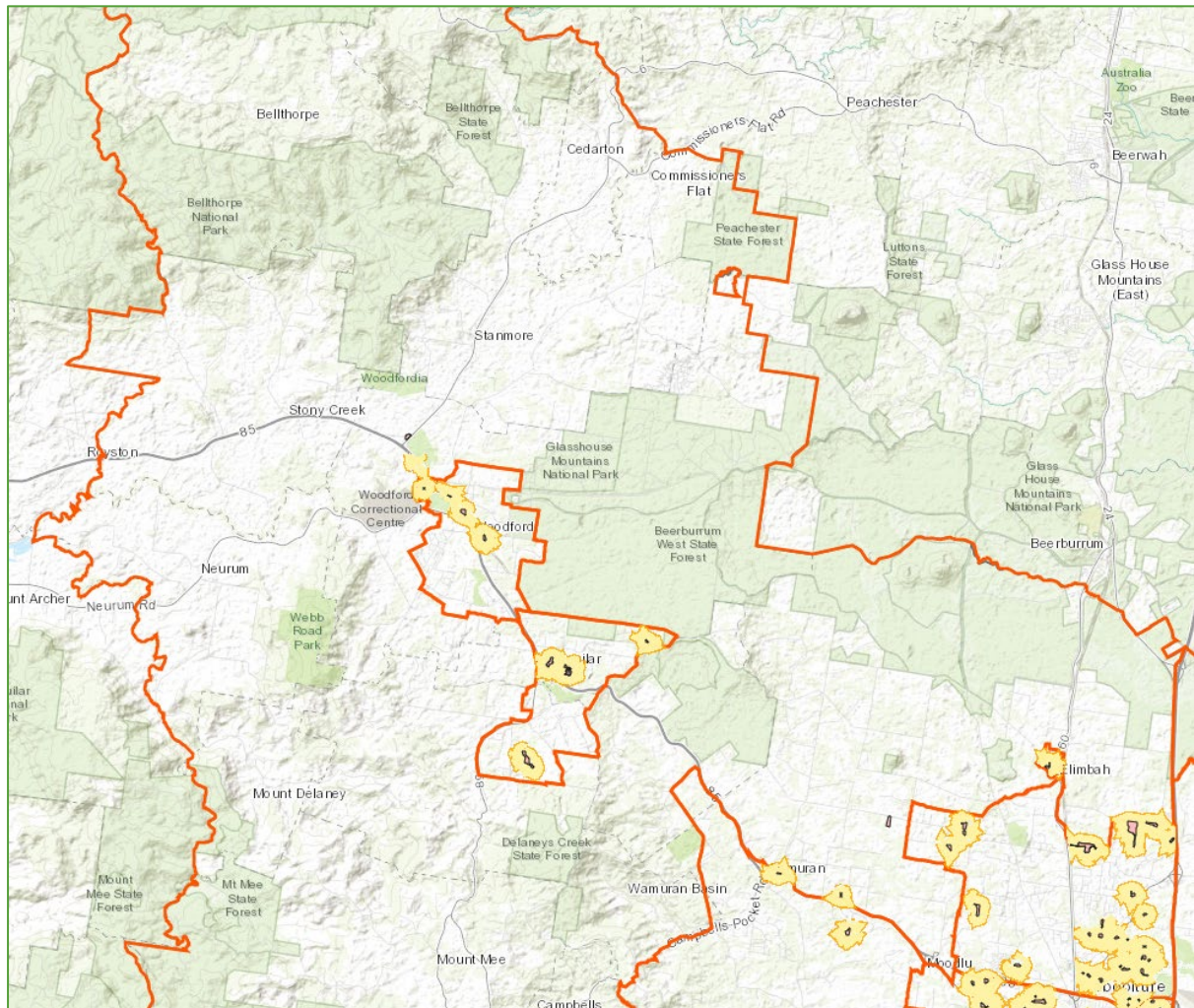
TABLE 114 - CURRENT SUPPLY OF LOCAL RECREATION PARKS RURAL NORTH

Park	Classification	Address	Suburb/Village	Area
Brucknell Road Park	Local Recreation	Brucknell Road	Wamuran	21,475.17
Bye Road Park	Local Recreation	Bye Road	Wamuran	2,933.46
Cruice Park	Local Recreation	Kilcoy-Beerwah Road	Woodford	14,155.89
Mount Mee Sports Assoc.	Local Sports Park	Robinson Road	Mount Mee	5,766.87
Mount Mee Sportsgrounds	Local Sports Park	Thomas Road	Mount Mee	79,454.15
Total park area				123,785.53

Total local park area	12.3ha
Total local recreation park area	3.8 ha

25.4 Rural North accessibility analysis

Accessibility analysis focuses on villages located within the rural catchment.



25.5 Rural North catchment analysis

The desired standards of service outline a target of 0.5 hectare of land for local recreation parks for each group of 1,000 persons of population in Rural residential areas. The analysis of the land required to meet this target is shown in Table 109, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 107 above.

TABLE 115 - LAND PROVISION ANALYSIS

Rural North	2016	2021	2026	2031	2036	Ultimate
Population	4,527	4,519	4,506	4,548	4,534	4,590
DSS land require at 0.5ha per 1000 people (ha)	2.3	2.3	2.3	2.3	2.3	2.3
Current local recreation supply (ha)	3.9	3.9	3.9	3.9	3.9	3.9
Balance (ha)	1.6	1.6	1.6	1.6	1.6	1.6

The population within the rural area North has some minor fluctuations over the coming 15 years but assumptions predict a relatively stable figure just over 4500. There is currently a slight surplus in the land supply for local recreation parks in the Rural North Catchment.

25.6 Solutions for public parks solutions Rural North local catchment

Two park upgrades are recommended for the Rural North catchment these are both situated in Wamuran on Campbell's pocket Road. The district recreation park adjoins the

TABLE 116 - SOLUTIONS FOR RURAL NORTH CATCHMENT

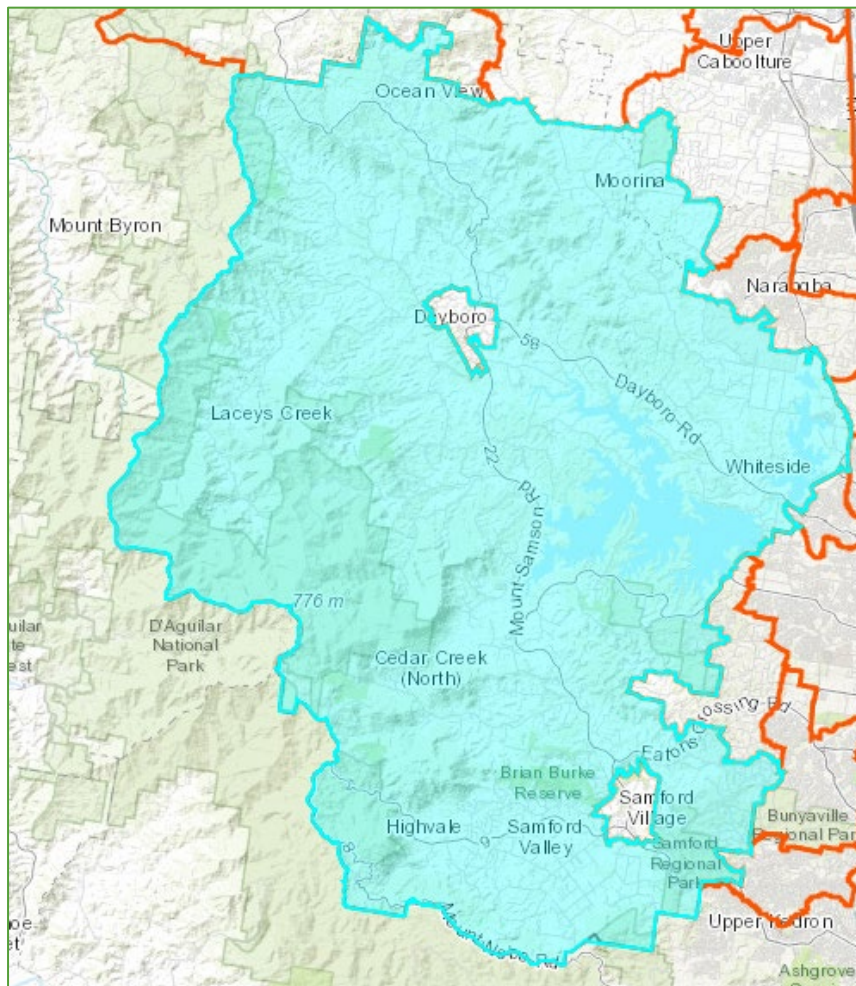
Reference	Name	Type	Solution	Suburb
OS-03	Wamuran District Sport	District Sporting Facility	New Land & Embellishments	Wamuran
OS-2228	Campbell's Pocket Park	District Park	Embellishments Only	Wamuran

26 Local Catchment - Rural South - Local Recreation Analysis

26.1 Rural South local catchment profile summary

The Rural South local area includes the localities of Camp Mountain, Cedar Creek, Draper, Highvale, Jollys Lookout, Mount Nebo, Samford Valley, Wights Mountain, Yugar, Closeburn, Armstrong Creek, Kobble Creek, Mount Samson, Samsonvale, King Scrub, Kurwongbah, Laceys Creek, Mount Pleasant, Ocean View, Rush Creek, Whiteside and most of the suburb of Mount Glorious. The local area can be summarised as a predominantly rural area. The local area is bordered by the locality of Mt Mee in the north, Narangba, Petrie and Ferny Hills in the east, D'Aguilar National Park in the south and south-east and the Somerset Region in the north-west.

Some of the major features include Lake Samsonvale, D'Aguilar National Park, the Pine Rivers Golf Club, Pine Rivers Heritage Museum, Lakeside Motor Sport Complex, Old Petrie Town, Ocean View Estates Winery, Camp Mountain Recreation Area, Samford Valley Golf and Country Club, Samford Showground and Clear Mountain Conservation Reserve.



MAP 75 RURAL SOUTH LOCAL CATCHMENT

26.2 Rural South local catchment population growth assumptions

The population assumptions for this Rural South local catchment are shown in the Table 117. There is a small overall growth of 2,529 residents in the Rural North catchment. It is noted that the ultimate population for the rural catchment is 23,458 which is only a slight increase of 876 residents.

TABLE 117 - RURAL SOUTH LOCAL CATCHMENT POPULATION ASSUMPTIONS

Rural South	2016	23021	2026	2031	2036	Ultimate
Population	20,053	20,738	21,215	21,934	22,582	23,458
5-year growth	1151.4	685.2	477.5	718.9	648.2	3404.9
Percentage	6.1	3.4	2.3	3.4	3.0	14.8

26.3 Current supply of Local Recreation Parks

The existing supply of local recreation parks within this Rural South local catchment are shown in the Table 118

TABLE 118- RURAL SOUTH CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park	Classification	Address	Village	Area m ²
Andrew Road Park	Local Recreation	Andrew Road	Closeburn	1089.7
Scheldt Park	Local Recreation	Camp Mountain Road	Camp Mountain	11066.6
Uralba Park	Local Recreation	Westwood Drive	Samford Valley	164552.4
Greensill Park	Local Recreation	Winn Road	Mount Samsonvale	8011.7
Apex Park (Dayboro)	Local Recreation	Mt Samson Road	Dayboro	2510.2
Surrey Farm Park	Local Recreation	Bergin Creek Road	Bunya	64608.8
Golden Spur Court Park	Local Recreation	Golden Spur Court	Camp Mountain	2084.0
Youngs Crossing Park	Local Recreation	Youngs Crossing Road	Joyner	32044.7
Rosalie Tebbby Reserve	Local Recreation	James Road	Ocean View	7137.8
Elsie Crane Park	Local Recreation	Ocean View Road	Ocean View	2930.5
Beswick Park	Local Recreation	Oakey Flat Road	Narangba	4246.4
Uralba Park	Local Recreation	Westwood Drive	Samford Valley	164,552.4
Edward Loudon Park	Local Sports Park	Kadanga Court	Highvale	12,387.4
Harold Brown Park	Local Sports Park	Richards Road	Wights Mountain	154,924.4
Total area				625,084.7

26.4 Accessibility analysis

Accessibility analysis focuses on villages located within the rural catchment.

26.5 Catchment analysis

The desired standards of service outline a target of 0.5 hectare of land for local recreation parks for each group of 1,000 persons of population in rural residential areas. The analysis of the land required to meet this target is shown in Table 119, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 117 above.

TABLE 119 - PUBLIC PARKS SUPPLY AND DEMAND ANALYSIS RURAL SOUTH

RURAL SOUTH	2016	2021	2026	2031	2036	Ultimate
Population	20,053	20,738	21,215	21,934	22,582	23,458
Supply needed to meet DSS (Ha)	10.0	10.4	10.6	11.0	11.3	11.7
Current supply	45.8	45.8	45.8	45.8	45.8	45.8
Excess or shortfall	35.8	35.4	35.2	34.8	34.5	34.0

26.6 Recommendations for public park solutions

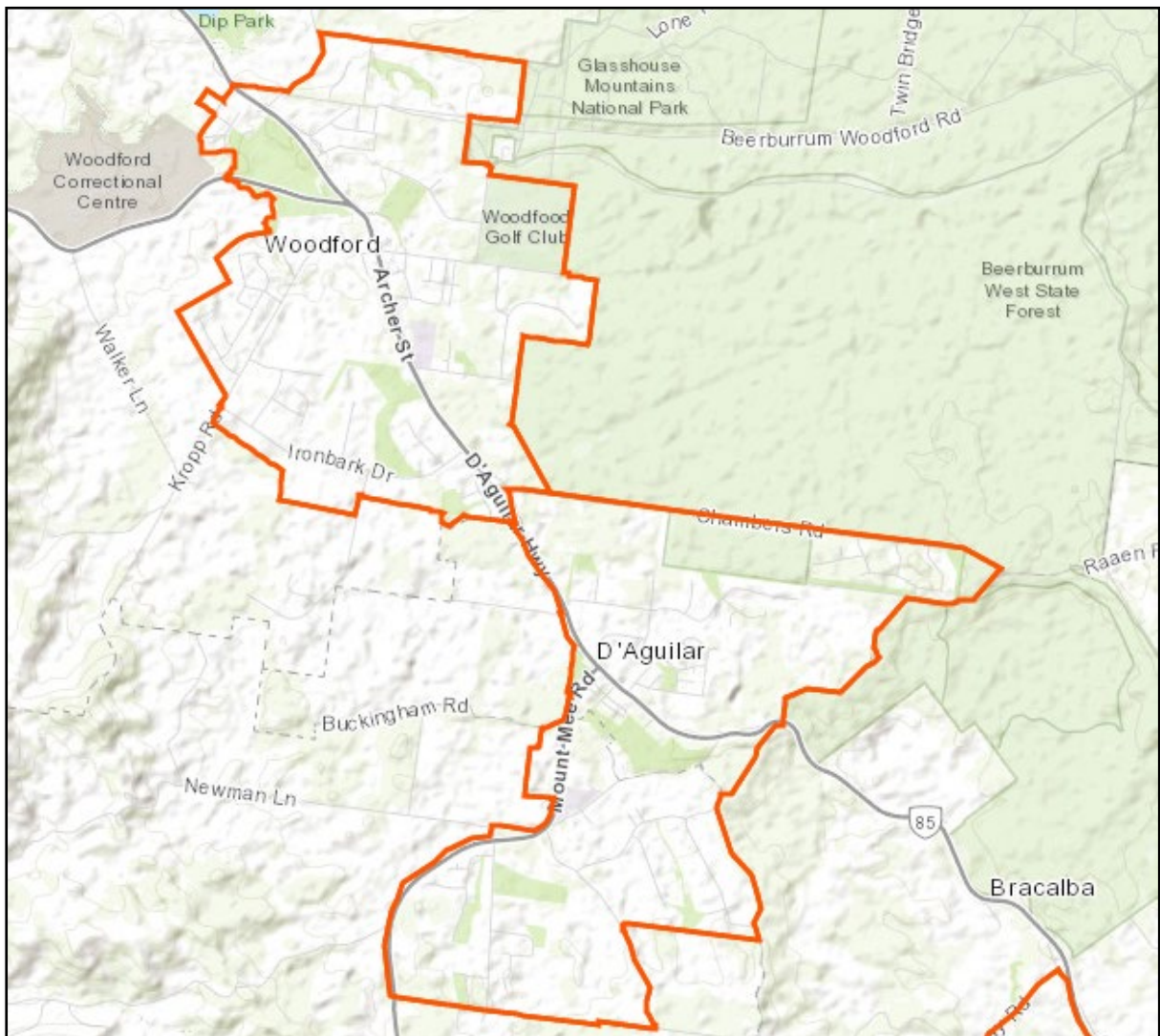
There are no recommendations for Rural south.

27 Local Catchment - Woodford - Local Recreation Analysis

27.1 Woodford Profile Summary

The Woodford and D'Aguilar local areas are amongst the oldest established urban settlements in the Moreton Bay region. The local areas feature a mixed-use low scale main street, with low density detached housing within the township. Surrounding areas contain detached housing on large rural residential lots, with numerous vacant lots existing within these areas, providing opportunities for growth. Significant strands of native vegetation that cater for a range of environmental values and ecosystem services add to the character and amenity of the townships.

Woodford and D'Aguilar are bounded by Stanmore in the north, the Sunshine Coast Regional Council in the east, Bracalba and Delaney's Creek in the south and Neurum and Stony Creek in the west. Some of the major features in the Woodford and D'Aguilar local areas include the Woodford Hall, Woodford Swimming Pool, Woodford State School and parts of Beerburum West State Forest.



MAP 76 - WOODFORD LOCAL CATCHMENT BOUNDARY

27.2 Woodford population growth assumptions

The population assumptions for this Woodford-D'Aguilar local catchment are shown in Table 120. Overall there is an anticipated growth in population of 1800 people from 2016 to 2036.

TABLE 120- LOCAL CATCHMENT POPULATION ASSUMPTIONS

Woodford Local Catchment	2016	2021	2026	2031	2036	Ultimate
Population	2,244	2,401	3,019	3,357	4,044	5,487
Population growth over 5-year interval	306	157	618	338	687	3,243
Population growth as percentage	16%	7%	26%	11%	20%	144%

27.3 Woodford current supply of Local Recreation parks

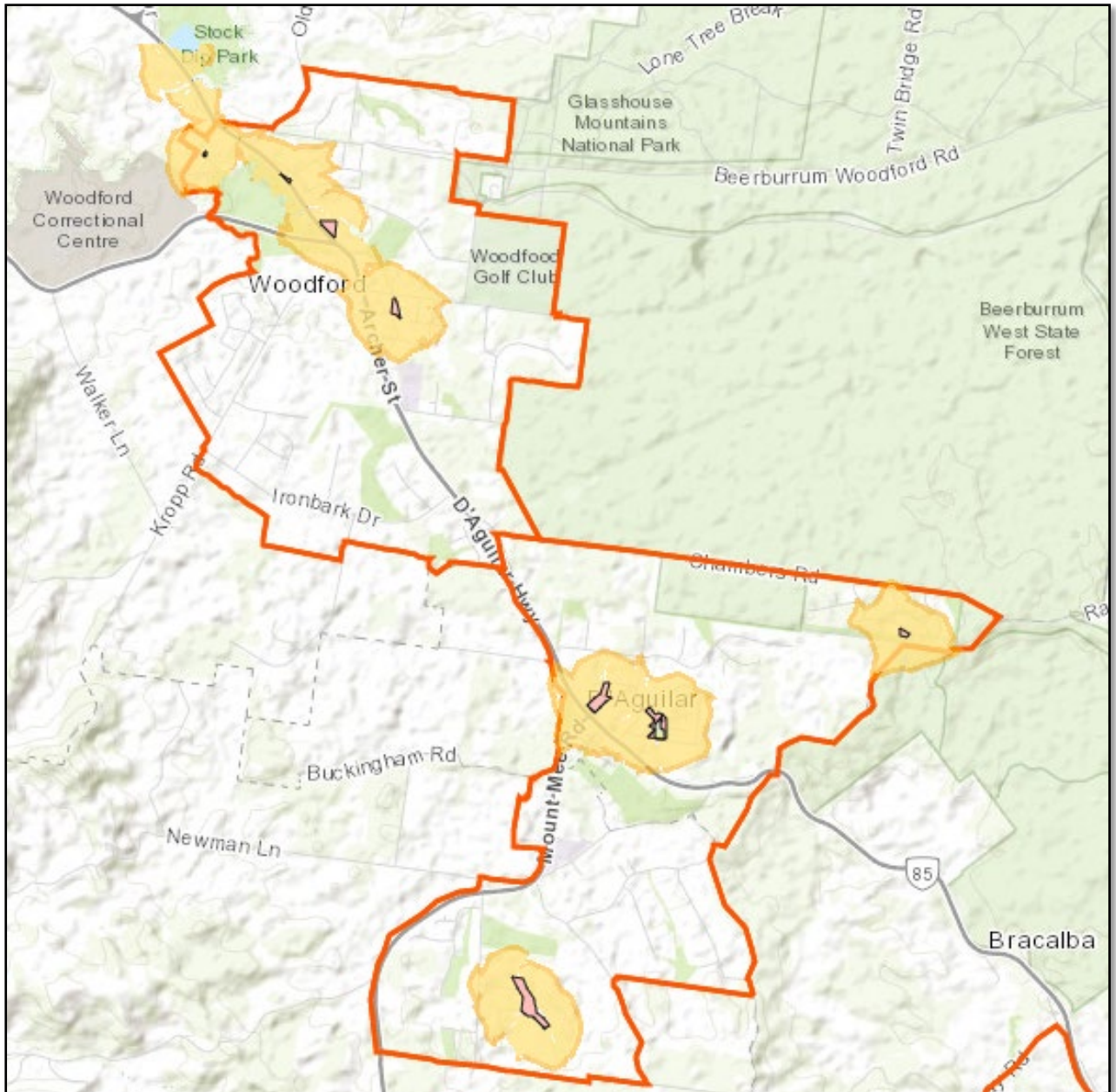
The existing supply of local recreation parks within the Woodford-D'Aguilar local catchment are shown in Table 121.

TABLE 121- WOODFORD CURRENT SUPPLY OF LOCAL RECREATION PARKS

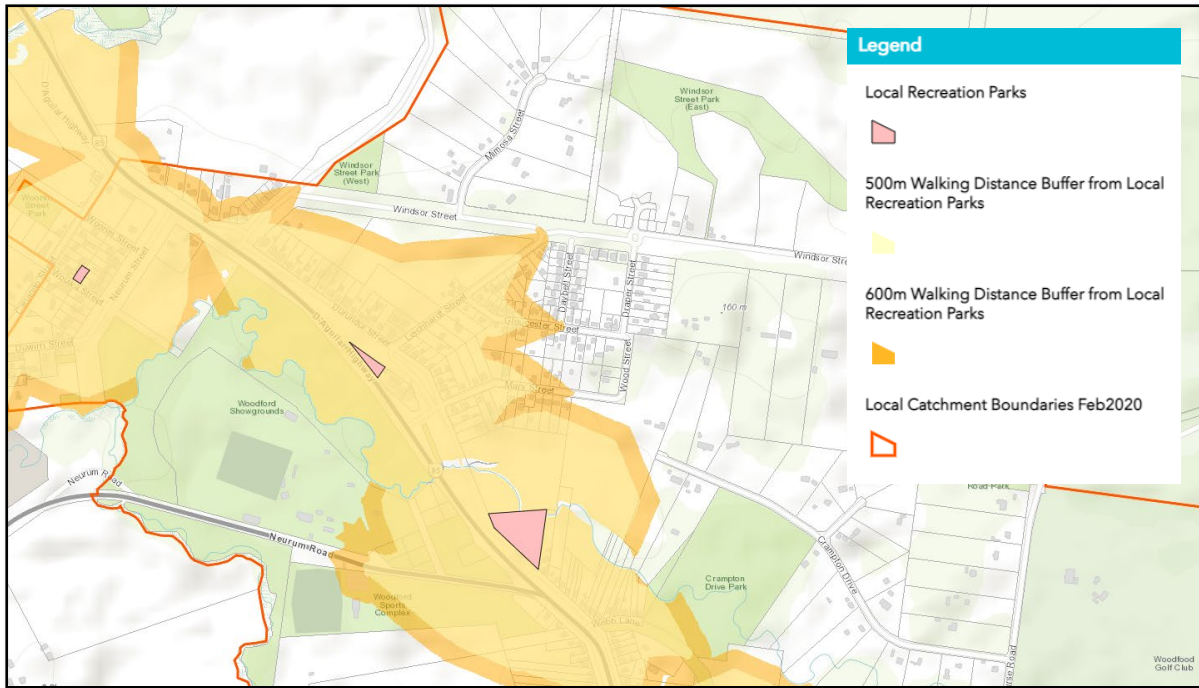
Park	Classification	Address	Area m2
Tilney Road Park	Local Recreation	Coronation Avenue	9544.62
Wouwa Street Park	Local Recreation	Wouwa Street	930.94
BMX Park (Woodford)	Local Recreation	Archer Street	12562.72
Lions Park North (Woodford)	Local Recreation	Durundur Street	1790.64
Cash Street Park	Local Recreation	Cash Street	32703.36
Carmichael Court Park	Local Recreation	Carmichael Court	21456.05
Total Land Area			

27.4 Woodford Accessibility analysis

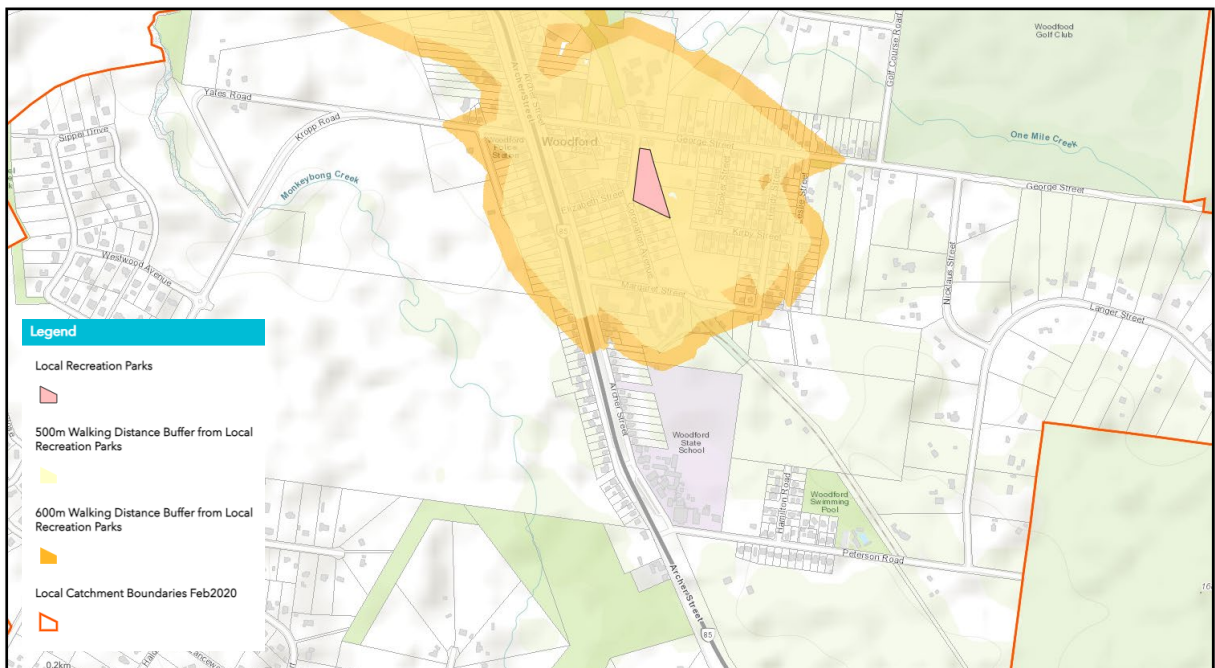
An accessibility analysis of the Woodford village area shows the 500m and 600m walkability analysis. This was undertaken using GIS methodology outlined in the methodology of the Background Paper Parks network.



MAP 77 - WOODFORD ACCESSIBILITY ANALYSIS



MAP 78 - NORTHERN AREA OF WOODFORD CATCHMENT ACCESSIBILITY



MAP 79 - SOUTHERN AREA OF WOODFORD CATCHMENT - ACCESSIBILITY ANALYSIS

27.5 Woodford Catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 122, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in the Table 120.

TABLE 122 - WOODFORD LAND PROVISION ANALYSIS

Woodford	2016	2021	2026	2031	2036	Ultimate
Population	2,244	2,401	3,019	3,357	4,044	5,487
Supply needed to meet DSS (ha)	2.24	2.40	3.02	3.36	4.04	5.49
Current supply (ha)	7.89	7.89	7.89	7.89	7.89	7.89
Excess or shortfall analysis (ha)	5.95	5.65	5.49	4.87	4.53	2.40

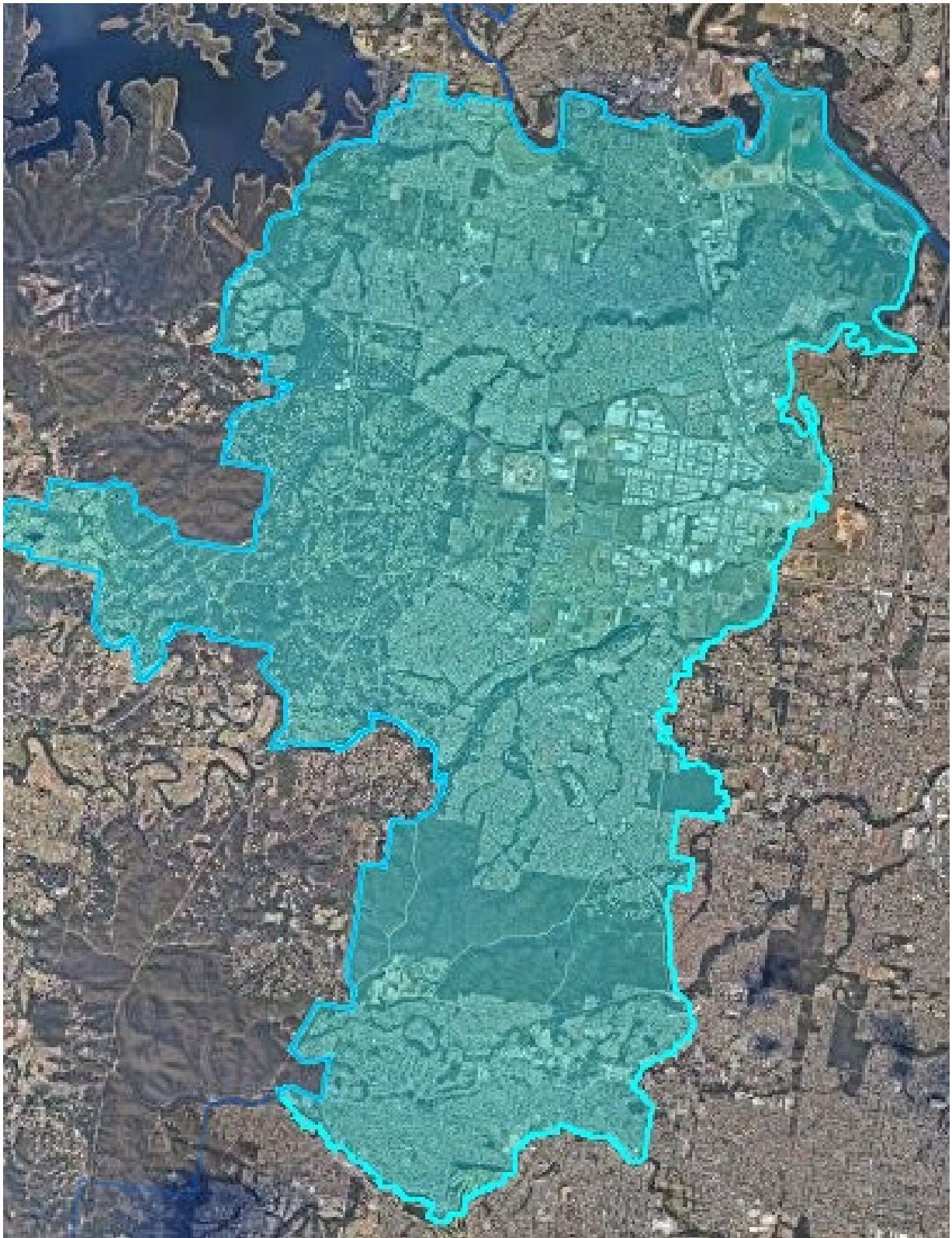
27.6 Recommendations for public park solutions

One additional trunk local recreation park is required within the catchment to meet the needs of the future development of Woodford. This item was included in the original LGIP OS-142 and should be delivered with development.

TABLE 123 WOODFORD SOLUTIONS TABLE

Reference	Classification	Address	Comments
OS-142	Local Recreation	Windsor Street Woodford	Existing in LGIP 2017 - Still required with development

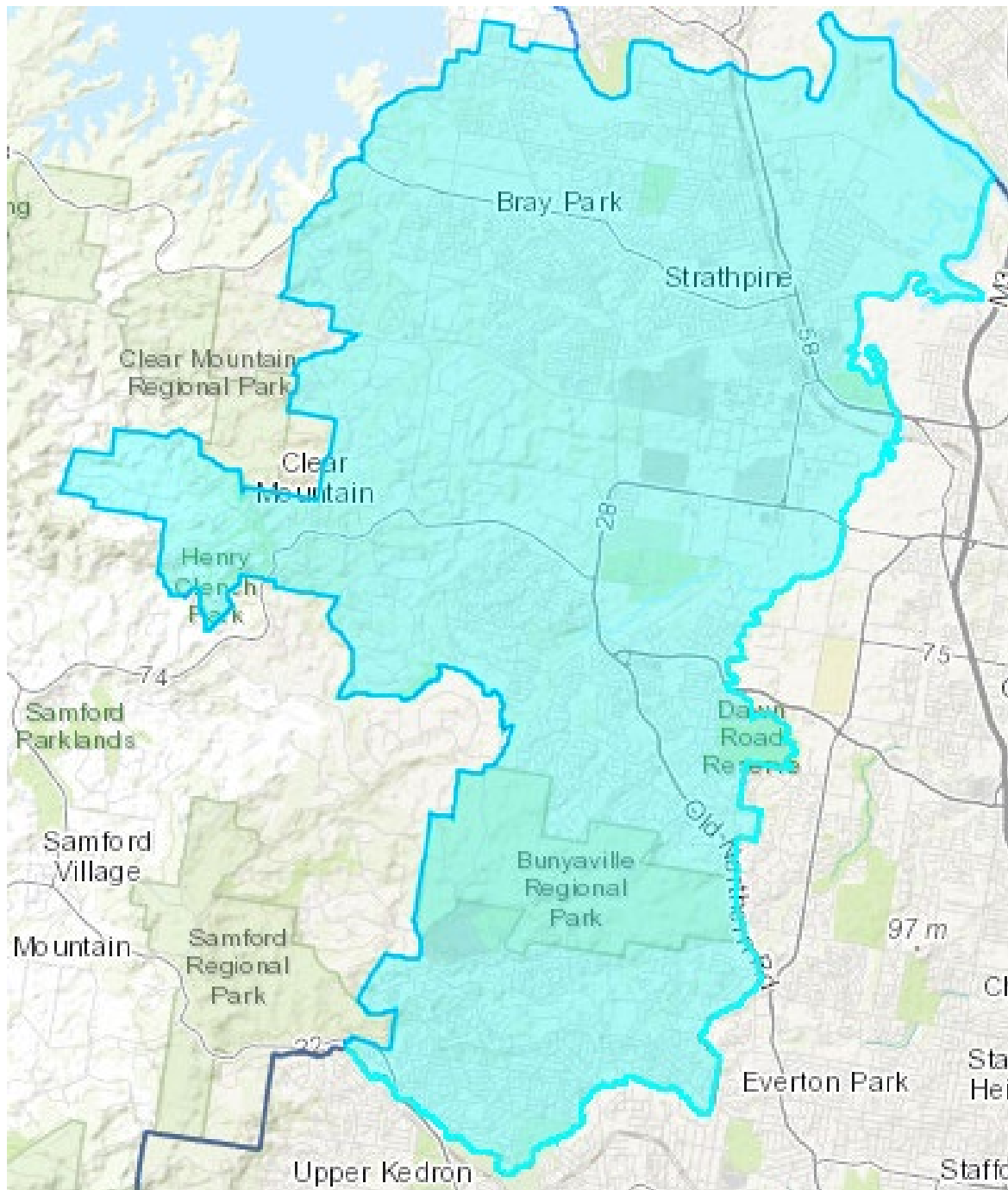
STRATHPINE DISTRICT CATCHMENT



28 District Catchment - Strathpine - District Recreation Analysis

28.1 Profile Summary

The Strathpine district includes the regional activity centre of Strathpine and district level activity centres at Arana Hills, Albany Creek and Warner. It also includes employment areas in the Hills District, Brendale and Lawnton. A diversity of open space is included within the catchment from natural experiences in conservation area and linkages along riparian corridors to large scale regional sporting facilities at South Pine Sports Reserve.



MAP 80 - STRATHPINE DISTRICT CATCHMENT BOUNDARY

The future direction for the Strathpine district is predominantly one of consolidation. Large areas of the catchment are already developed and over time new growth will come from redevelopment of sites in proximity to activity centres and rail stations. In the next 10 years, most of the residential growth will come in areas like Warner, Joyner and Bray Park where Next Generation Neighbourhoods will continue to be developed. Over time, higher densities in and around the activity centres of Strathpine Arana Hills, Albany Creek and the Lawnton Rail Station will provide a diversity of housing. See Map 79.

The activity centres at Arana Hills and Albany Creek will continue to grow, with a focus on Strathpine as one of the region's premier centres for employment.

28.2 Population growth assumptions

The population assumptions for the Strathpine district reflect the planning directions outlined in Council's Strategic Framework. Table 124 identifies that the catchment is projected to experience continued growth beyond 2036 with an ultimate population of 131,492. This represents approximately 10% of the total growth for the Moreton Bay Region from 2016 to 2036.

TABLE 124 - POPULATION ASSUMPTIONS STRATHPINE DISTRICT CATCHMENT

Strathpine District	2016	2021	2026	2031	2036	Ultimate
Population	95672	98906	103214	106480	112926	131492
growth over 5 years	6023	3234	4308	3266	6446	12558
% growth over 5 years	7%	3%	4%	3%	6%	11%
Base to ultimate						35820
% growth base to ultimate						37%

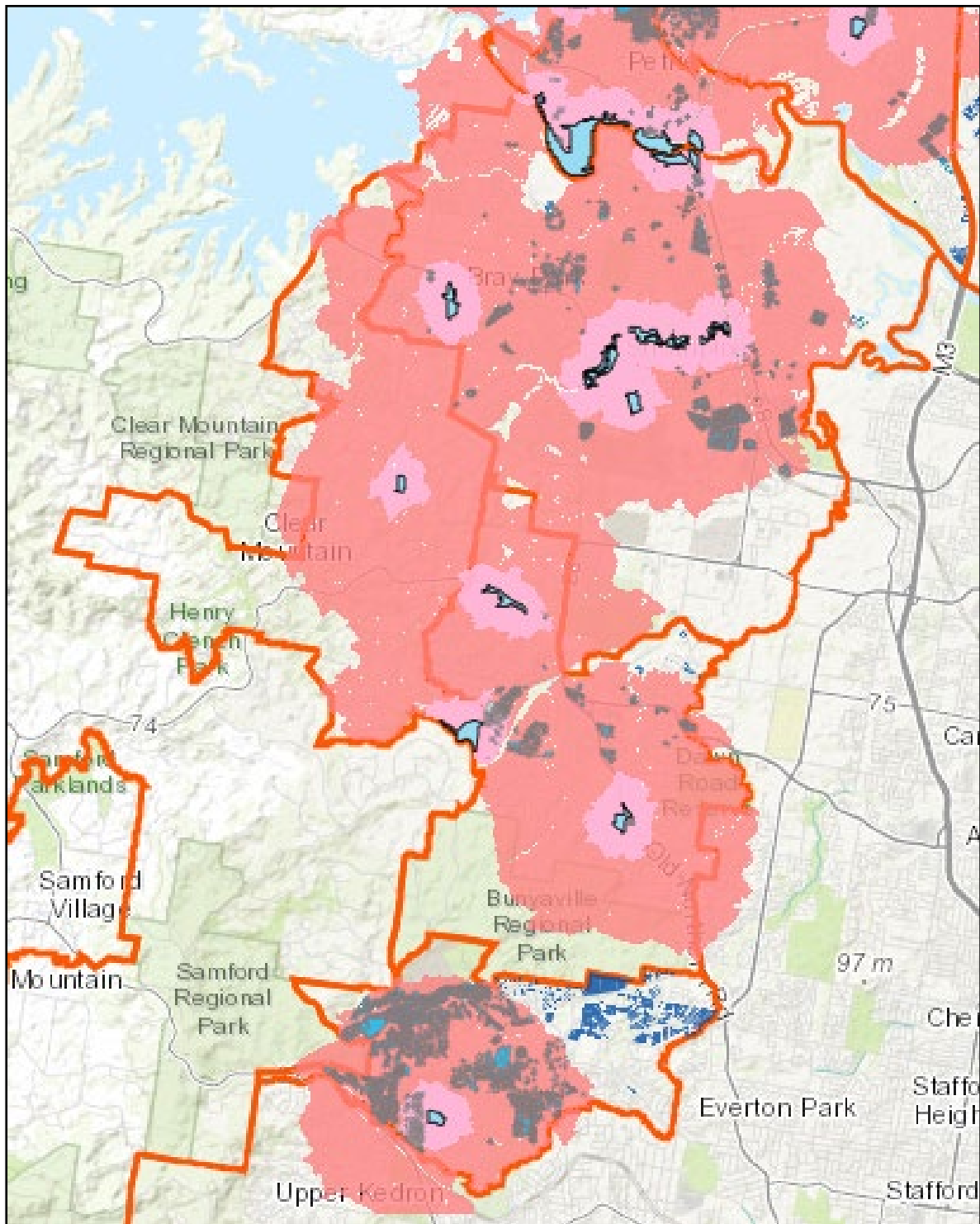
28.3 Strathpine current supply of District Recreation parks

The existing supply of ten District Recreation parks within the Strathpine catchment are shown in the following Table 125. They range in size from Frank Nichols Reserve at 2.2ha to John Bray Park at 13.5ha. The total area of district recreation parks in the Strathpine district catchment is 64 hectares.

TABLE 125 STRATHPINE - CURRENT SUPPLY OF DISTRICT RECREATION PARKS -

Park	Address	Suburb	Area m ²
George Willmore Park	Ferny Way	FERNY HILLS	33,019
Sargent Reserve	Drapers Road	EATONS HILL	93,420
Lemke Park	Jagora Drive	ALBANY CREEK	38,330
Frank Nichols Reserve	Lilley Road	WARNER	22,256
Boxwood Court Park	Boxwood Court	WARNER	51,302
Leis Park	Leis Parade	LAWNTON	78,016
H T Ireland Reserve	Saraband Drive	EATONS HILL	51,631
Peter Campbell Park	Calala Drive	STRATHPINE	95,264
John Bray Park	Clifford Street	BRAY PARK	135,055
Alf Shaw Park	Stanley Street	STRATHPINE	42,015
Total District Recreation Parks			640,310m ² 64 hectares

28.4 Strathpine District accessibility analysis



MAP 81 - ACCESSIBILITY MAP TO DISTRICT RECREATION PARKS STRATHPINE (500M AND 2500M)

28.5 Strathpine catchment analysis

The desired standards of service outline a target of 0.6 hectare of land for district recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 124, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in the population assumptions Table 123.

TABLE 126 - STRATHPINE SUPPLY AND DEMAND REQUIREMENTS FOR DISTRICT RECREATION PUBLIC PARKS

Strathpine	2016	2021	2026	2031	2036	Ultimate
Population	95672	98906	103214	106480	112926	131492
Demand at 0.6ha per 1000 people	57.4	59.3	61.9	63.9	67.8	78.9
Existing area of District Recreation Parks	64.03	64.03	64.03	64.03	64.03	64.03
Balance supply/ demand	6.6	4.7	2.1	0.1	-3.7	-14.9

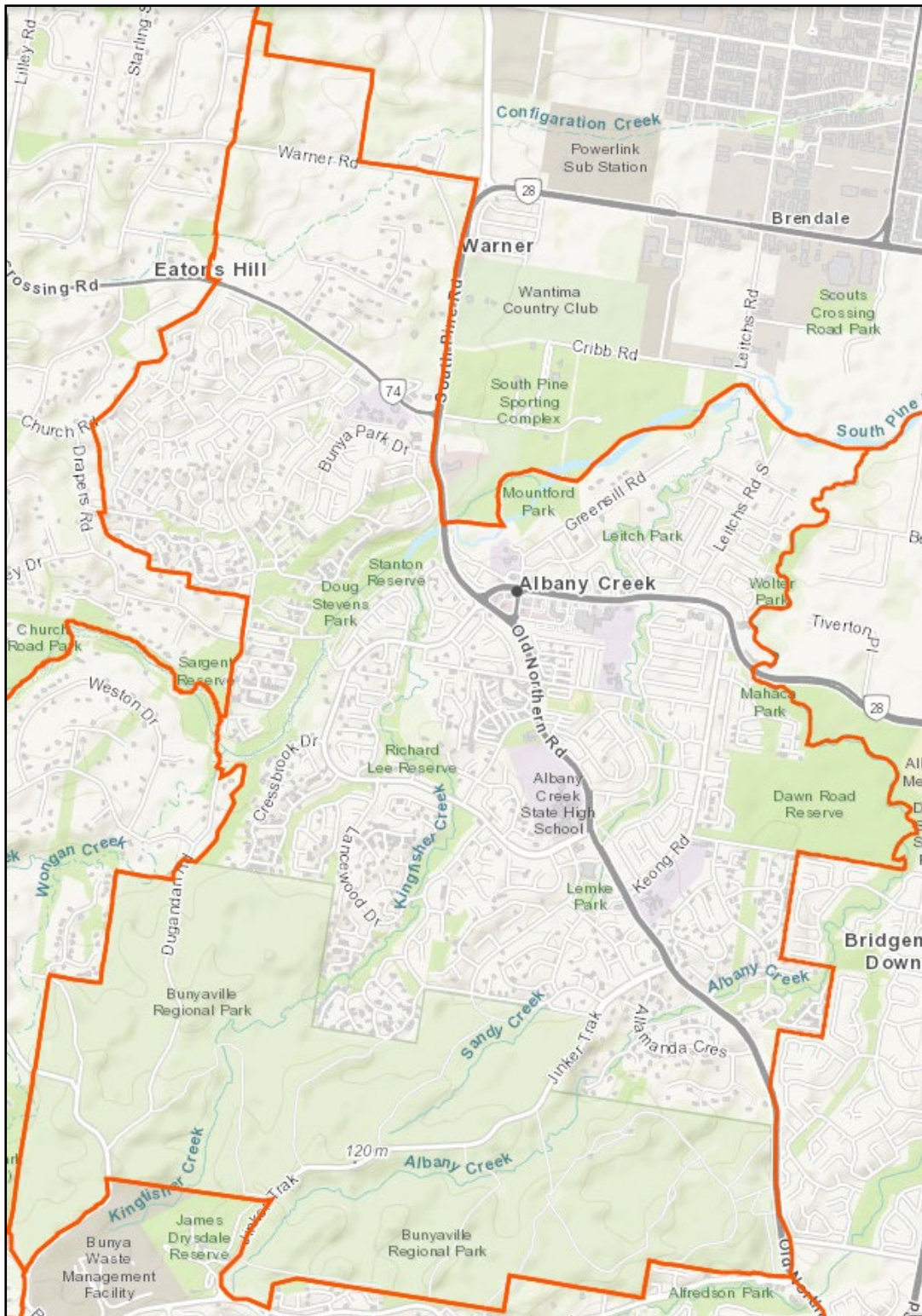
28.6 Solutions for District Recreation parks

The following solutions for District recreation, civic, district and regional sports parks are recommended, and form the basis for the LGIP2 items. Most carry over from LGIP2017 only OS-2211 is new.

TABLE 127 - SOLUTIONS FOR PUBLIC PARK NETWORK STRATHPINE DISTRICT CATCHMENT

Reference	Local Catchment	Park Name	Hierarchy	Type of project
OS-10	Strathpine North	Bray Park District Recreation	District Park	Embellishments Only
OS-19	Hills District	James Drysdale Reserve Sporting Complex	District Sporting Facility	Upgrade Embellishments
OS-37	Strathpine North	Pine Rivers Park	Regional Park	Upgrade Embellishments
OS-44 stage 1	Strathpine West	South Pine Sporting Complex	Regional Sporting Facility	Upgrade Embellishments
OS-44 stage 2	Strathpine West	South Pine Sporting Complex	Regional Sporting Facility	Upgrade Embellishments
OS-44 stage 3	Strathpine West	South Pine Sporting Complex	Regional Sporting Facility	Upgrade Embellishments
OS-44 stage 4	Strathpine West	South Pine Sporting Complex	Regional Sporting Facility	Upgrade Embellishments
OS-54	Strathpine North	Rob Akers Reserve	District Sporting Facility	Upgrade Embellishments
OS-56	Strathpine West	Strathpine Regional Recreation	Regional Park	New Land & Embellishments
OS-57	Strathpine West	Strathpine Civic Regional	Regional Urban Civic	Upgrade Embellishments
OS-62	Strathpine North	Warner District Civic	District Civic	Investigation/Indicative
OS-63	Albany Creek	Albany Creek District Civic	District Civic	Investigation/Indicative
OS-2211	Strathpine North	Lawnton Pocket Road Sports Park	District Sporting Facility	New Land

29 Local Catchment - Albany Creek - Local Recreation Analysis



MAP 82 - LOCAL CATCHMENT BOUNDARY ALBANY CREEK

29.1 Albany Creek local catchment profile summary

The Albany Creek local area contains the suburbs of Albany Creek and parts of Warner, Eatons Hills and Bunya (see Map 81). The local area can be summarised as an established urban area of a mostly suburban character, with some commercial and industrial uses. Albany Creek is bordered by Strathpine in the north, the Brisbane City suburb of Bridgeman Downs in the east, Bunyaville Forest Reserve in the south and Bunya Crossing Road, Drapers Road and Church Road in the west.

Some of the major features in the local area include the Albany Creek Leisure Centre, Albany Creek Pony Club, Albany Creek Community Centre, several shopping centres and numerous schools.

29.2 Population growth assumptions

The population assumptions for the Albany Creek local area reflect the planning directions outlined in Council's Strategic Framework Map 82. The population assumptions for this local catchment are shown in Table 128.

TABLE 128 - ALBANY CREEK LOCAL CATCHMENT POPULATION ASSUMPTIONS

ALBANY CREEK	2016	2021	2026	2031	2036	Ultimate
Population	23,047	23,101	23,492	23,960	24,391	26,323
Growth from previous five years		54	391	468	431	1,932
Percentage growth		0.2%	1.7%	2.0%	1.8%	7.9% growth since 2016

MAP 83 - STRATEGIC FRAMEWORK ALBANY CREEK

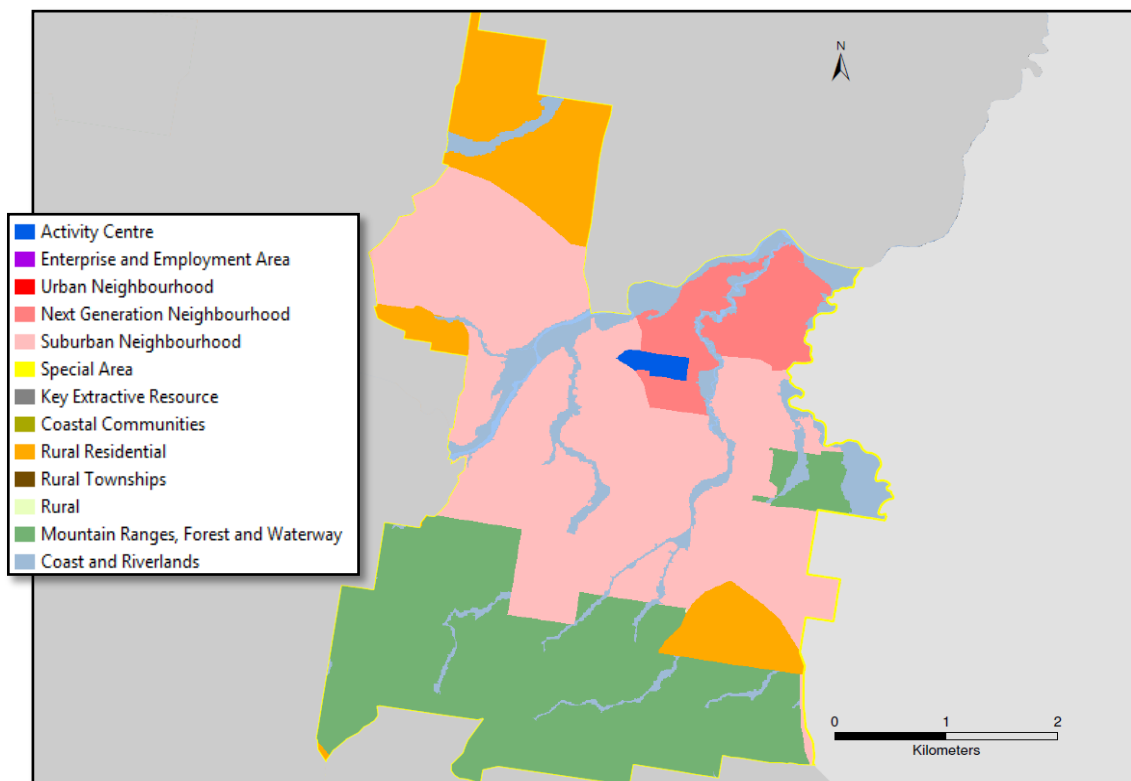


Table 128 shows a population increase of 1,344 people from 2016 to the 2036 population of 26,323. The increase to the ultimate built out population of 26,323 being an increase of 3,276 people from the 2016 population. The population of this area is relatively stable with a slow growth rate, that is a total 5.8% growth from 2016 to 2036.

29.3 Albany Creek current supply of trunk recreation parks

The existing supply of local recreation parks within this local catchment are shown in Table 129.

TABLE 129 - CURRENT SUPPLY OF TRUNK PARKS -ALBANY CREEK

Park	Hierarchy	Address	Suburb	Area m ²
Lemke Park	District Recreation	Jagora Drive	Albany Creek	38,330 m ²
HT Ireland Reserve	District Recreation	Saraband Drive	Eatons Hill	51,631 m ²
Greenview Park	Local Civic Park	Ferguson Street	Albany Creek	10,919 m ²
Elton Park	Local Civic Park	Wruck Crescent	Albany Creek	999 m ²
Old Northern Road Park	Local Recreation	Old Northern Road	Albany Creek	5,584 m ²
Richard Lee Reserve	Local Recreation	Albany Forest Drive	Albany Creek	15,459 m ²
Local recreation portion	Local Recreation	Folkstone Avenue	Albany Creek	9,837 m ²
Tallebudgera Crescent Park	Local Recreation	Tallebudgera Crescent	Albany Creek	5,621 m ²
Rivergum Drive Park	Local Recreation	Birmingham Street	Eatons Hill	4,630 m ²
Cowrie Parade Park	Local Recreation	Cowrie Parade	Albany Creek	20,067 m ²
Old Northern Rd Park LR portion	Local Recreation	Old Northern Road	Albany Creek	38,954 m ²
Saraband Drive Reserve (North)	Local Recreation	Saraband Drive	Eatons Hill	3,997 m ²
Jacaranda Park	Local Recreation	Old Northern Road	Albany Creek	4,297 m ²
Matthew Hawthorne Reserve	Local Recreation	Narrabeen Rd	Albany Creek	10,052 m ²
James Cash Park	Local Recreation	Bunya Park Drive	Eatons Hill	7,330 m ²
John Leitch Memorial Park	Local Recreation	Leitchs Road South	Albany Creek	14,403 m ²
Gum Tree Park	Local Recreation	Hero Street	Eatons Hill	12,182 m ²
Ghost Gum Court Park	Local Recreation	Ghost Gum Court	Albany Creek	36,419 m ²
Robert Morgan Park	Local Recreation	Prion Court	Albany Creek	6,743 m ²
Rosmarin Avenue Reserve	Local Recreation	Rosmarin Avenue	Eatons Hill	15,268 m ²
Cuthbert Park	Local Recreation	Devoran Street	Albany Creek	14,434 m ²
Scenic Close Park	Local Recreation	Scenic Close	Albany Creek	8,360 m ²
Apex Park (Eatons Hill)	Local Recreation	Eatons Crossing Road	Eatons Hill	3,646 m ²
Mathew Hawthorne Reserve	Local Recreation	Albany Forest Road	Albany Creek	7,955 m ²
Wolter Park	Local Sports Park	Jacaranda Drive	Albany Creek	46,951 m ²
Mountford Park	Specific use Sport	Greensill Road	Albany Creek	103,391 m ²

Totals of each park type are shown in Table 129

TABLE 130 - TOTAL AREAS BY PARK TYPE- ALBANY CREEK

Park type / hierarchy	Area m ²	Area ha
Total local recreation parks	245,238m ²	24.5ha
Total district recreation parks	89,961m ²	9.0ha
Total civic parks	11,918m ²	1.1ha
Total sports parks	150,342m ²	15.0ha
Total trunk park area	497,459m ²	49.0ha

29.4 Albany Creek - accessibility analysis

The local catchment is bounded by the Bunyaville Conservation Park to the south, with access to walking tracks within the nature reserve. The southern residential portion of the catchment consists of an established suburban neighbourhood, that is unlikely to experience much change in the built form given the existing character of the area with house lot sizes averaging 700m². Parts of the catchment are not within 400m distance to a trunk 'local recreation park' however are within walking distance to a linear linkage park that has dual functions of stormwater conveyance, riparian benefits and open space, with recreation pathways throughout and play facility embellishments. The linear linkage in this neighbourhood is functioning as the recreation space for these residents.

29.5 Albany Creek catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 131, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 128 above.

TABLE 131 - LAND PROVISION ANALYSIS

Albany Creek	2016	2021	2026	2031	2036	Ultimate
Population	23047	23101	23492	23960	24391	26323
Local Recreation DSS Demand	23.05	23.10	23.49	23.96	24.39	26.32
Existing Supply	24.5	24.5	24.5	24.5	24.5	24.5
Balance/ Shortfall	1.45	1.40	1.01	0.54	0.11	-1.82

Albany Creek as a local catchment has sufficient local recreation park land to meet the existing desired standards of service the current population and growth to the year 2036. This established neighbourhood is serviced by an extensive network of linear linkage parks that provide a dual function of stormwater conveyance, riparian benefits and an open space network. It is noted that some of the park areas have been reclassified in the network review of this catchment. These changes alter the calculations from the previous urban recreation strategy and the existing LGIP. The variance is based on the use of some areas of the linear park network for local recreation purposes. Several linear park portions have been reclassified to better reflect this dual role of linear park and local recreation. This is particularly relevant as the provision of park only calculates the trunk local park, being local recreation parks (and local foreshore parks).

29.6 Recommendations for trunk parks in the Albany Creek local catchment

Table 132 represents the recommendations or solutions for existing and future trunk parks in the catchment. For the Albany Creek local catchment there are recommendations for one district civic park at Albany Creek district centre, one reclassification of the skate park to a district level park and upgrades to 2 local recreation parks - Saraband Drive North and John Leitch Memorial Parks.

TABLE 132 - SOLUTIONS ALBANY CREEK LOCAL CATCHMENT

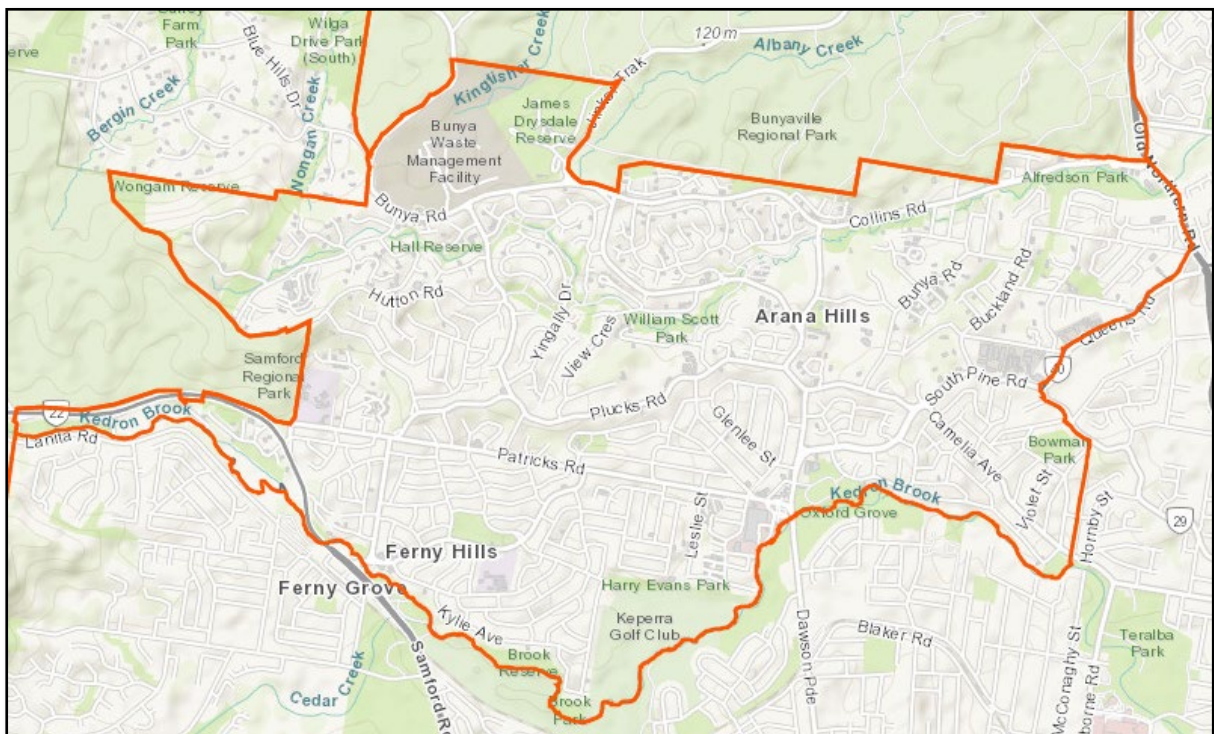
Reference	Location/Park	Hierarchy	Status	Date	Comment
OS-63	Albany Creek District Civic	District Civic	Investigation	2036	OS-63 revise how location is indicated <i>Still required</i>
OS-72	Skate Park	Local Recreation reclassify as District	Upgrade	2031	Retain - Project in system
OS-118	Saraband Drive Reserve (North)	Local Recreation	Upgrade	2032	<i>Still required</i> - note limited by typography. EPID in place
OS-144	John Leitch Memorial Park	Local Recreation	Upgrade	2020	Work currently planned for 2020 <i>Future Existing</i>

30 Local Catchment - Hills District - Local Recreation Analysis

30.1 The Hills District Profile Summary

The Hills District includes the suburbs of Everton Hills, Arana Hills and Ferny Hills. The local area contains a high concentration of established low-density urban areas, with a limited number of greenfield sites. The Hills District is bordered by Albany Creek in the north, the Rural South local area in the west and the Brisbane City Council suburbs of Keperra in the south and Everton Park in the east.

Leafy suburban neighbourhoods characterise much of the local area, with limited small-scale industrial services taking place in the eastern corner. Some of the major features in the local area include the Arana Hills Plaza, Arlington Court Shopping Centre, Everton Junction Shopping Centre, Everton Shopping Village, Keperra Country Golf Club, Fred Ward Reserve, Hutton Reserve and James Drysdale Recreation Park.



MAP 84 - HILLS DISTRICT CATCHMENT

30.2 Hills District population growth assumptions

The population assumptions for the Hills District catchment are shown in Table 133.

TABLE 133 - HILL DISTRICT POPULATIONS ASSUMPTIONS LOCAL CATCHMENT

HILLS DISTRICT	Population 2016	Population 2021	Population 2026	Population 2031	Population 2036	Population Ultimate
Population	22,356	22,845	23,898	24,317	24,898	26,825
Population growth over 5year period	575	489	1,053	419	581	Growth 2016 -Ultimate 4,469
Percentage growth over 5year period	2.6	2.2	4.6	1.8	2.4	17.8

30.3 Hills District current supply of Local Recreation parks

The existing supply of local recreation parks within the Hills District local catchment are shown in Table 134.

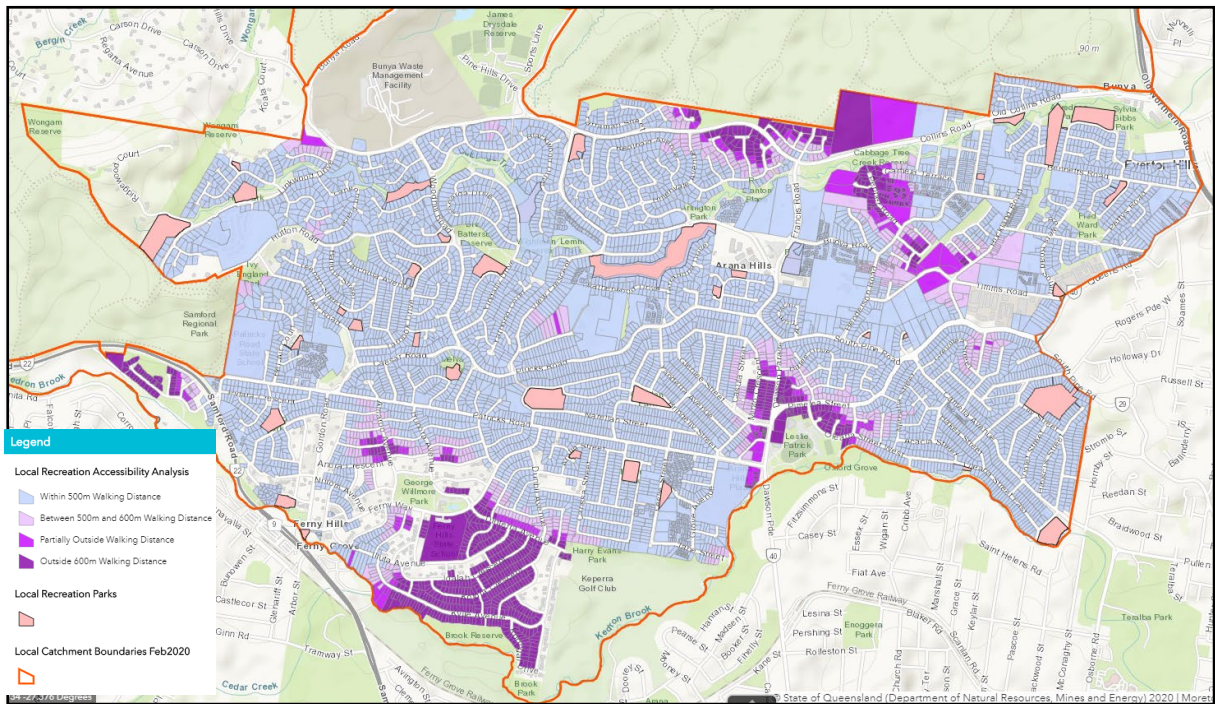
TABLE 134 - HILLS DISTRICT CURRENT SUPPLY OF LOCAL RECREATION PARKS

Park Name	Address	Suburb	Area m ²
Moola Park	Elizabeth St	EVERTON HILLS	1215.5
Pine Hills Park	Francis Rd	ARANA HILLS	11826.6
Leslie Street Reserve (Arana Hills)	Leslie St	ARANA HILLS	4251.3
Tarnee Park	Tarnee St	FERNY HILLS	2259.5
Melrose Park	Aralia St	FERNY HILLS	2010.0
Pyang Park	Pindari Ave	FERNY HILLS	8380.5
Torwood Court Reserve	Torwood Crt	FERNY HILLS	1382.7
Bob O'Neill Park	Barney St	ARANA HILLS	2806.7
Sylvia Gibbs Park	Old Northern Rd	EVERTON HILLS	67402.9
Barber Place	Barber Rd	FERNY HILLS	4549.7
Lionel Burton Park	Bennetts Rd	EVERTON HILLS	4853.1
Mimmoora Park	Basand St	EVERTON HILLS	819.5
Julie Jenkins Park	Teenan St	FERNY HILLS	1221.0
Murlac Park	Montague Crt	EVERTON HILLS	507.1
Bowman Park	Lily St	EVERTON HILLS	31661.8
Camden Park	Mitchell St	ARANA HILLS	10393.3
Mike McGill Park	Tarnook Dr	FERNY HILLS	5165.1
Brian Battersby Park	Yingally Dr	ARANA HILLS	11225.8
Jessie Barker Reserve	Olearia St West	EVERTON HILLS	5497.8
Boundary Park	Camelia Ave	EVERTON HILLS	12834.3
Narellan Park	Narellan St	ARANA HILLS	19659.5
William Scott Park	Leatherwood Dr	ARANA HILLS	61798.4
Melva Reserve	Caesar Rd	FERNY HILLS	4928.8
Miller Park	Cycas St	ARANA HILLS	8226.9
Thomsett Park	Olakuna Cres	FERNY HILLS	5589.1
Woodend Park	Ridgewood Crt	FERNY HILLS	27162.5
John Johnson Park	Carmont Crt	FERNY HILLS	2631.0
Hutton Reserve	Woodrow Crt	FERNY HILLS	1950.5
Crane Reserve	Gordon Rd	FERNY HILLS	15668.9
Bunya Timber Reserve	Barney St	ARANA HILLS	2227.9
Bimbi Reserve	Caswell Pl	ARANA HILLS	7653.8
Kenny Park	Queens Rd	EVERTON HILLS	2694.3
Bert Hall Park - Local Recreation	Linkwood Dr	FERNY HILLS	6928.0
Hall Reserve Local Recreation		FERNY HILLS	11485.6
Wightman Reserve	Yingally Dr	FERNY HILLS	11241.4
Cabbage Tree Creek Reserve	Garfield Trc	EVERTON HILLS	8859.2
Total			388,970.0m ²

Total Local recreation park area in the Hills catchment is 38.9 hectares.

30.4 The Hills district accessibility analysis

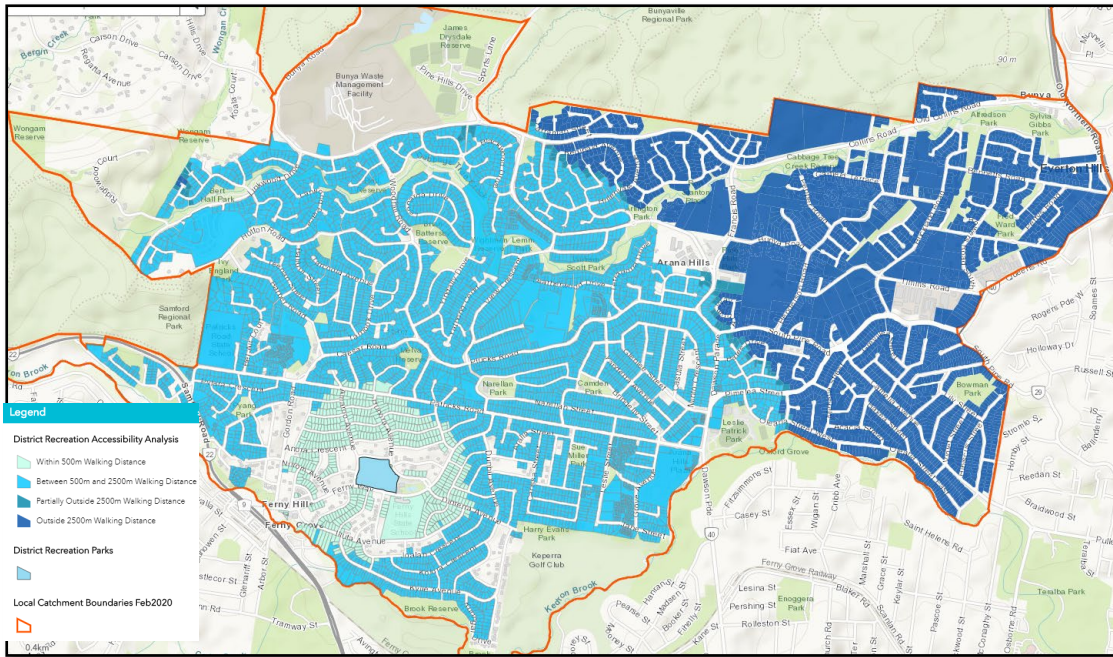
Map 84 highlights the accessibility to local recreation parks across the Hills area catchment. While there are some areas beyond the 600m walking distance each of these are serviced by other types of parks, either district parks like George Willmore Park and Leslie Patrick Park or linear parks like Cabbage Tree Creek Reserve.



MAP 85 - THE HILLS DISTRICT LOCAL RECREATION PARK ACCESSIBILITY

The gap in accessibility shown in the local recreation park mapping is improved when considering the proximity of alternative park types which have been embellished in a similar way to local recreation parks.

Accessibility to district recreation parks in the Hills area highlights a deficit in the eastern portion of the catchment. The development of a district level recreation park in this area would be desirable.



MAP 86 - DISTRICT RECREATION ACCESSIBILITY MAPPING

30.5 The Hills District Catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 135, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in Table 133 - Hill District Populations Assumptions Local Catchment.

TABLE 135 - LAND PROVISION ANALYSIS THE HILLS DISTRICT

HILLS DISTRICT	2016	2021	2026	2031	2036	Ultimate
Population	22,356	22,845	23,898	24,317	24,898	26,825
Supply needed to meet DSS (Ha)	22.36	22.85	23.90	24.32	24.90	26.82
Current supply (Ha)	38.9	38.9	38.9	38.9	38.9	38.9
Excess or shortfall analysis (Ha)	16.54	16.05	15.00	14.58	14.00	12.08

30.6 The Hills District recommendations for public park solutions

While no additional land is required to meet the provision rate of local recreation parks, accessibility gaps have been identified in the network. These are addressed with the following recommendations which maintain the existing LGIP items not yet delivered. One item is shifted from the eastern side of Francis Road to the west (OS-2224), there is scope to increase size of the park at this location to meet the deficit in the district park network. District Recreation Park - land and embellishment.

The existing LGIP item OS-19 is still required to upgrade James Drysdale Reserve to meet the desired standard of service for district sports park.

TABLE 136 - PUBLIC PARKS SOLUTIONS

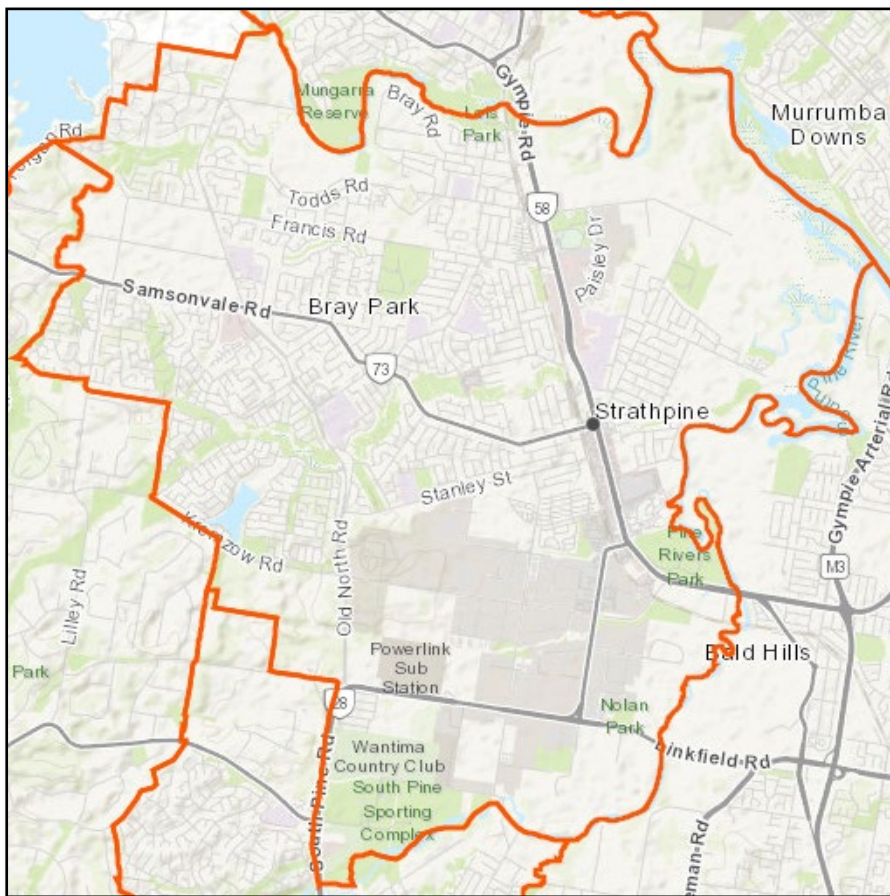
ID	Park	Hierarchy	Type	Suburb
OS-19	James Drysdale Reserve Sporting Complex	District Sporting Facility	Upgrade Embellishments	Ferny Hills
OS-2224	Francis Road District Recreation park	District recreation park	Land and Embellishment	Arana Hills

31 Local Catchment - Strathpine North - Local Recreation Analysis

31.1 Strathpine North local catchment profile summary

The Strathpine North local area includes the suburbs of Lawton, Bray Park, Strathpine, Warner Lakes and Brendale. The local area is mostly urban and consists of a mix of established uses and dwelling types. This includes older housing stock located in proximity of the North Coast railway line and the Strathpine commercial centre. It also contains the industrial precinct of Brendale. The local area is bordered by North Pine River in the north, the South Pine River in the south and east and South Pine Road, Warner Road and Old North Road in the west.

The area contains established low-density residential suburbs with limited number of greenfield sites located in Warner and Lawnton. Some of the major features in the local area include the Strathpine major commercial centre, Brendale industrial estate, city train stations of Strathpine, Bray Park and Lawnton, Pine Rivers Park, South Pine Sports Complex, South & North Pine River and the Four Mile Creek (see Map 87).



MAP 87 - STRATHPINE NORTH LOCAL CATCHMENT

31.2 Strathpine North population growth assumptions

The population assumptions for the Strathpine North local catchment are shown in Table 137 .

TABLE 137 - STRATHPINE NORTH LOCAL CATCHMENT POPULATION ASSUMPTIONS

STRATHPINE NORTH	2016	2021	2026	2031	2036	Ultimate
Population	43,618	46,259	49,122	51,493	56,822	71,319
Population growth over 5-years	4,916	2,641	2,863	2,371	5,329	27,701*
Population growth over 5-years %	12.7%	6.1%	6.2%	4.8%	10.3%	63.5%*

*Population growth from 2016 to ultimate

31.3 Strathpine North current supply of Local Recreation parks

The existing supply of local recreation parks within this Strathpine North local catchment are shown in Table 138.

TABLE 138 - CURRENT SUPPLY OF LOCAL RECREATION PARKS- STRATHPINE NORTH

Park - Address	Classification	Suburb	Area m ²
Samsonvale Road	Local Civic Park	Warner	2,038m ²
Gympie Road	Local Civic Park	Strathpine	1,285 m ²
Solomon Parade	Local Recreation	Warner	12,112 m ²
Will Court	Local Recreation	Lawton	10,235 m ²
Bishop Court	Local Recreation	Lawton	886 m ²
Bishop Court	Local Recreation	Lawton	916 m ²
Nichol Way	Local Recreation	Brendale	6,269 m ²
Gordons Crossing Road East	Local Recreation	Joyner	2,879 m ²
Learmonth Street	Local Recreation	Strathpine	15,632 m ²
Brendale Street	Local Recreation	Brendale	8,432 m ²
Todds Road	Local Recreation	Lawton	5,619 m ²
Dundee Street	Local Recreation	Bray Park	6,496 m ²
Allsop Street	Local Recreation	Lawton	1,178 m ²
Nightingale Drive	Local Recreation	Lawton	4,941 m ²
Casuarina Drive South	Local Recreation	Bray Park	10,007 m ²
Gum Street	Local Recreation	Warner	4,855 m ²
Sonata Drive	Local Recreation	Warner	2,305 m ²
Everest Street	Local Recreation	Warner	3,838 m ²
Everest Street	Local Recreation	Warner	16,085 m ²
Gordons Crossing Road West	Local Recreation	Gordons Crossing	25,100 m ²
Lockyer Drive	Local Recreation	Bray Park	22,418 m ²
Devon Street	Local Recreation	Bray Park	7,169 m ²

Gerard Street	Local Recreation	Bray Park	15,426 m ²
Francis Road	Local Recreation	Lawton	13,232 m ²
Paramount Drive	Local Recreation	Warner	16,109 m ²
Irula Street	Local Recreation	Bray Park	31,996 m ²
Todds Road	Local Recreation	Lawton	9,6934 m ²
Bells Pocket Road	Local Recreation	Strath	12,797 m ²
Gray Road	Local Recreation	Bray Park	17,978
Colonial Drive	Local Recreation	Lawton	15,604 m ²
Baker Street	Local Recreation	Bray Park	14,785 m ²
Harvey Street	Local Recreation	Strathpine	29,213 m ²
Nicol Way	Local Recreation	Brendale	14,256 m ²
Mondial Drive	Local Recreation	Warner	4,983 m ²
Michigan Circuit	Local Recreation	Warner	34,199 m ²
Morene Crescent	Local Recreation	Warner	4,521 m ²
Maree Street	Local Recreation	Strathpine	7,984 m ²
Hayward Avenue	Local Recreation	Cashmere	18,561 m ²
Russet Burbank Parade	Local Recreation	Warner	5,202 m ²
Stanley Street	Local Recreation	Strathpine	621 m ²
Rolland Parade	Local Recreation	Warner	3,940 m ²
Davis Lane	Local Recreation	Brendale	72,786 m ²
Gympie Road	Local Recreation	Lawton	11,934 m ²
Bayberry Crescent	Local Recreation	Warner	1,998 m ²
Leitchs Road	Local Recreation	Brendale	4,564 m ²
Garret Street	Local Recreation	Brendale	3,698 m ²
Old North Road	Local Recreation	Warner	3,248 m ²
Lavarack Road	Local Recreation	Bray Park	5,725 m ²
Francis Road	Local Recreation	Lawton	11,922 m ²
Todds Road	Local Recreation	Lawton	29,745 m ²
Terrence Road	Local Recreation	Brendale	6,064 m ²
Samsonvale Road	Local Recreation	Strathpine	1,201 m ²
Barlee Court	Local Recreation	Warner	4,997 m ²
Samsonvale Road	Local Recreation	Bray Park	19,602 m ²
Pallas Parade	Local Recreation	Warner	39,155 m ²
Samsonvale Road	Local Sports Park	Strathpine	17,273 m ²
Samsonvale Road	Local Sports Park	Strathpine	37,178 m ²
Walsham Street	To Be Completed	Bray Park	86,209 m ²

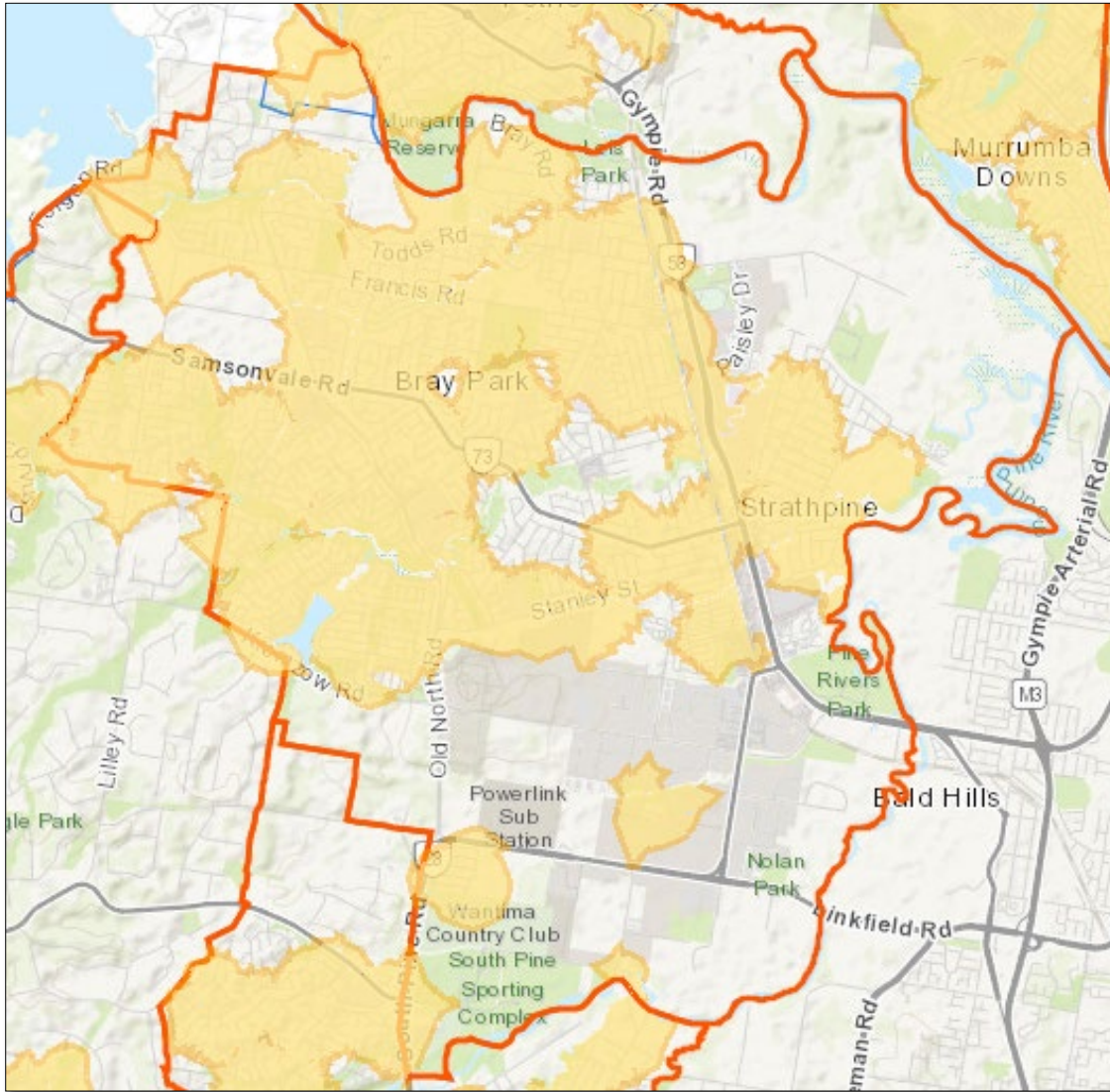
TABLE 139- SUMMARY OF TOTAL PARK AREAS FOR STRATHPINE NORTH CATCHMENT

Summary of totals by hierarchy	Area m ²
Total all local parks	799,095 m ²
Total all Local recreation parks	655,111 m ²
Local civic parks	3,323 m ²

31.4 Strathpine North accessibility analysis

The following map illustrates the accessibility analysis with mapping of true walkability at 500 and 600m. There is a noted gap in the Samsonvale Road area which should be filled with the development of the new Local recreation park on Samsonvale Road which was an LGIP item in 2017 delivered as a park in 2020. John Bray Park - a district recreation park also supports the local recreation needs of this community.

A new park at Akers Road will also further support the access to local recreation parks in the catchment.



MAP 88 - ACCESSIBILITY ANALYSIS STRATHPINE NORTH

31.5 Strathpine North catchment analysis

The desired standards of service outline a target of 1 hectare of land for local recreation parks for each group of 1,000 persons of population. The analysis of the land required to meet this target is shown in Table 140, as well as the calculation of whether the target is exceeded or is in deficit, both now and into the future based on the planning assumptions shown in the Table 137.

TABLE 140 - STRATHPINE NORTH LAND PROVISION ANALYSIS

STRATHPINE NORTH	2016	2021	2026	2031	2036	Ultimate
Population	43,618	46,259	49,122	51,493	56,822	71,319
Supply needed to meet DSS (ha)	43.6	46.3	49.1	51.5	56.8	71.3
Current supply (ha)		65.5	65.5	65.5	65.5	65.5
Excess or shortfall analysis (ha)		19.2	16.4	14.0	8.7	-5.8
additional number of 5000m2 parks required	0.0	0.0	0.0	0.0	0.0	11.6

31.6 Strathpine North recommendations for public park solutions

The following items are recommended to meet the ongoing needs of the Strathpine North catchment - and are in Strathpine North local catchment. All are at a district level. No additional local recreation parks are proposed.

TABLE 141- RECOMMENDATIONS FOR STRATHPINE NORTH LOCAL CATCHMENT AREA

Reference	Name of Park	Hierarchy Type	Solution	Suburb
OS-10	Bray Park District Recreation	District Park	Embellishments Only	Bray Park
OS-37	Pine Rivers Park	Regional Park	Upgrade Embellishments	Strathpine
OS-54	Rob Akers Reserve	District Sporting Facility	Upgrade Embellishments	Lawnton
OS-62	Warner District Civic	District Civic	Investigation/Indicative	Warner
OS-2211	Lawnton Pocket Road Sports Park	District Sporting Facility	New Land	Lawnton