

Mooroopna Community Infrastructure Needs Assessment

**Final Report V1
March 2023**

ASR Research Pty Ltd

EXECUTIVE SUMMARY

1. Objectives of community infrastructure needs assessment

- Identify the demand for community infrastructure generated by future residential development in the Mooroopna West Growth Corridor in the context of the broader development of Shepparton City.
- Identify the capacity of existing and planned infrastructure in Mooroopna and the remainder of Shepparton City to cater for this demand.
- Identify the gaps in infrastructure provision in Mooroopna and how these gaps could be addressed in Mooroopna and the remainder of Shepparton City.

2. Development context

- Mooroopna West Growth Corridor – existing development area, around 3,840 people at full development
- Existing Mooroopna – around 8527 people
- Mooroopna Township - at full development, around 12,367 people

Area	Population at full development
Mooroopna West Growth Corridor	3,840
Existing Mooroopna Township	8,527
Mooroopna Township at full development (growth corridor and existing township)	12,367
Shepparton City	83,247

3. Key findings of community infrastructure assessment

3.1 Early years facilities

- There are five operational kindergarten locations in Mooroopna. Echuca Rd is closed due to flood damage and is unlikely to be reopened. There is no location in Mooroopna West. The operational kindergartens offer 127 kindergarten places. At full development, Mooroopna Township will generate demand for 270 kindergarten places. The existing kindergarten programs in Mooroopna Township will not have the capacity to meet this demand – shortfall of 143 places. Consideration is being given to constructing an additional kindergarten room at Frank Pullar Children’s Centre and/or Mooroopna Park Primary School. This could provide an additional 30-60 places. A planning permit has been issued for a new childcare centre in Mooroopna. This could provide an extra 30 places. There still could remain a deficit of up to 80 places. Provision should be made for a 3 room kindergarten facility in Mooroopna. From an access perspective, this should be in the Mooroopna West Growth Corridor
- There are three M&CH centres in Mooroopna – Frank R Pullar (1 room), Morrell St (2 rooms) and Rumbalara (1 room). At full development, Mooroopna will generate demand for 14 sessions per week. The existing centres in Mooroopna have the capacity for 40 sessions and can meet this demand.
- Mooroopna Township at full development will generate demand for 260 childcare places. There are three existing and one proposed childcare centres in Mooroopna offering 289 places. They have the capacity to meet future demand.

3.2 Health/Community Support Services and Facilities

- Shepparton North's primary health and mental health care needs will continue to be met by the Goulburn Valley Regional Hospital, Shepparton Private Hospital, Goulburn Valley Health, Rumbalara Health Services, Primary Connect, Headspace, APMHA HealthCare Ltd and private allied health and community health practitioners.
- Several GP, dental and allied health clinics operate in Mooroopna. The further development of Mooroopna West will increase demand for these services - a rise in Mooroopna's population of 3,840 will generate demand for 2/-3 more general practitioners. These practitioners will join existing or new practices and will most likely operate from purpose-built premises. Specialist medical and allied health practitioners, such as physiotherapists, may also operate from these practices.
- 25 community support/care providers operate in Mooroopna and Shepparton City on a full or part-time basis. These services will expand as the populations of Mooroopna and Shepparton City grow. Other providers may also establish programs in Mooroopna and Shepparton City. Many of the providers will occupy their own or rented spaces. Some will seek access to publicly owned facilities.

3.3 Education Facilities

- The quantitative assessment indicates that, at full development, Mooroopna will generate 1,240 primary school enrolments. This includes 350 from the Growth Corridor. The existing schools in Mooroopna and Shepparton have spare capacity and will be able to meet most of this demand. However, an additional school location/s may be needed. The Mooroopna West Growth Corridor Structure Plan makes provision for a primary school site. DET has indicated that this facility will not be required.
- There are six secondary school locations in Shepparton City. At full development, Shepparton City will generate 6,560 secondary school enrolments. This includes 885 students from Mooroopna. The existing schools and the new Anglican College in Shepparton and Kyabram P-12 College will be able to meet most of this demand. However, an additional school location may be needed. From a geographic distribution perspective, the Kialla area would be the best location for this school.
- GO TAFE, Latrobe University and Melbourne University operate in Shepparton. All have expanded their facilities in recent years and are planning further expansions over the next decade. These institutions have regional and state-wide catchments. They will be able to meet future demand.

3.4 Cultural facilities/community centres/meeting spaces

- The recently opened Shepparton Art Museum has the capacity to meet future demand for art exhibition and museum displays from Mooroopna and Shepparton City. There are two performing arts venues in Shepparton City – the Eastbank Function Centre/Theatre facility in Shepparton and the Westside Theatre at the former Mooroopna Secondary School Site. The function activity at Eastbank is operating at capacity. It would not be able to fully satisfy future demand. The theatres at Eastbank and Westside have spare capacity and could provide for future demand. Council has undertaken some preliminary research into how to provide for future demand for function facilities. The research suggested a facility option where the Eastbank Centre was redeveloped as two distinct facilities – a theatre and function centre. This venue would have the capacity to satisfy future demand for function facilities.

- There are two static libraries in Shepparton City – the Shepparton and Mooroopna libraries. The Mooroopna Library is large enough to meet future demand. However, it needs updating and possibly reconfiguration to provide more activity areas. The Shepparton Library will not be able to meet future demand. Additional library capacity will be needed in the medium to long term. Provision should be made for a library site in Kialla. The facility would be similar to the Mooroopna Library (around 500m public space).
- There is a branch library in Mooroopna. It is considered to be large enough to meet future demand. However, it needs updating and possibly reconfiguration to provide more activity area.

3.5 Recreation facilities

- The redeveloped/expanded Aquamoves centre will be able to cater for Mooroopna’s aquatic needs at full development. The 16 existing and four planned multipurpose indoor courts in Shepparton City (including one in Mooroopna) will be sufficient to meet the demand from Mooroopna and Shepparton City at full development. The 17 tennis courts, two bowling greens and 2 netball courts at Mooroopna Recreation Reserve will have the capacity to satisfy future demand.
- Some additional capacity will be needed in Mooroopna to meet future outdoor sporting demand. The works recommended in the Mooroopna Recreation Reserve Masterplan to enhance the capacity of the existing facilities in the Reserve should be undertaken. School facilities in Mooroopna should be used for community sport, where feasible.
- Mooroopna residents have access to a wide range of municipal and regional level facilities in Shepparton City. These facilities include a velodrome, BMX track, hockey venue, all water athletics track, aquatic centre and equestrian centre. Enhancement works are being proposed for many of these facilities. They will have the capacity to cater for Shepparton City and Mooroopna at full development.

4. Summary of strategies for meeting future demand

	Demand		Strategy for meeting demand
	Mooroopna West Growth Corridor	Mooroopna Township AFD	
Population	3,840	12,367	
3 and 4yo kindergarten (place)	84	270	Optimal use of existing and planned kindergarten programs in Mooroopna A new integrated 3 kindergarten room children’s/community centre in Mooroopna West
M&CH (session)	4	14	Optimal use of existing M&CH centres in Mooroopna
Long day childcare (places)	81	260	Optimal use of existing and planned long day care centres
Multipurpose community centre	0.13	0.42	Optimal use of existing facilities - Mooroopna Mechanics Hall, O’Brien Hall, Mooroopna Education and Activity Centre, McLennan Sports Centre, Treacy Community Room, school and church halls, and guide and scout halls Activity spaces in the proposed children’s/community centre in Mooroopna West
Centre based library	0.13	0.42	Upgrade and reconfiguration of Mooroopna Library
Centre based library floor space (sqms)	175	562	
Cultural facilities	0.13	0.29	Optimal use of modernised Eastbank and Westside facilities Redevelopment of the Eastbank venue as two distinct facilities – theatre and function centre Optimal use of Shepparton Arts Museum

	Demand		Strategy for meeting demand
	Mooroopna West Growth Corridor	Mooroopna Township AFD	
Population	3,840	12,367	
Football	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Cricket	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Soccer field	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Fields for lower profile sports	0.29	1	Optimal use of fields and ancillary facilities at Shepparton Sports Precinct area
Tennis court	1	4	Optimal use of existing facilities in Mooroopna
Bowls green	0.4	1	Optimal use of existing facilities in Mooroopna
Aquatic facilities	0.04	0.12	Upgrade of Mooroopna Pool. Optimal use of a redeveloped and expanded Aquamoves Centre
Indoor courts	0.38	1.2	Optimal use of a redeveloped and expanded Shepparton Sports Stadium Optimal use of the stadium in Mooroopna
Primary school education	350	1244	Optimal use of existing primary schools in Mooroopna Possibly, a new primary school in Mooroopna West
Secondary school education	249	885	Optimal use of existing secondary schools in Shepparton City area Optimal use of proposed Anglican School Provision of new Government Secondary College, preferably in Kialla or Tatura

5. Modified or new facilities

- The following facilities should be considered for provision in the Mooroopna West Growth Corridor:

Infrastructure items	Catchment area served	Estimated land area required (ha)	Estimated construction cost (\$)	Proportion of demand attributable to Mooroopna West Growth Corridor
A new children's centre – 3 kindergarten rooms, consulting room, activity spaces	Mooroopna West	0.8-1.0ha	6,500,000	100%
Local passive open space and pathways	Mooroopna West	5ha	2,000,000	100%

- New or modified infrastructure will be required elsewhere in Mooroopna to provide for the Mooroopna West Growth Corridor.

Infrastructure items	Catchment area	Estimated land area required (ha)	Estimated construction costs (\$)	Proportion of demand attributable to Mooroopna West Growth Corridor
Upgrade and reconfiguration of Mooroopna Library	Mooroopna Township AFD	-	1,000,000	31%
Upgrade of Mooroopna Recreation Reserve	Mooroopna Township AFD	-	TBD	31%
Upgrade of Mooroopna Pool	Mooroopna Township AFD		TBD	31%

New or modified district, sub-municipal and municipal infrastructure will also be required elsewhere in Greater Shepparton City to provide the Mooroopna West community. This infrastructure includes the redeveloped Eastbank Centre, expanded Shepparton Stadium and redeveloped Aquamoves facility. The need to provide this infrastructure and the facilities listed in above tables should be considered when reviewing the contributions plan for the Mooroopna West Growth Corridor.

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SECTION ONE – INTRODUCTION

1.1 Purpose of study

The purpose of the Study is to identify:

- The demand for community infrastructure generated by future residential development in the Mooroopna West Growth Corridor in the context of the broader development of Shepparton City.
- The capacity of existing and planned infrastructure in Mooroopna and the remainder of Shepparton City to cater for this demand.
- The gaps in infrastructure provision in Mooroopna and how these gaps could be addressed in Mooroopna and the remainder of Shepparton City.

1.2 Definition of community infrastructure

Community infrastructure is defined as health, recreation, education, cultural and community support facilities provided by government agencies, community organisations, local government and private organisations.

1.3 Terminology

For this purpose of this report:

- Council refers to the Greater Shepparton City Council.
- Mooroopna West Growth Corridor refers to the residential development area in Mooroopna West.
- Existing Mooroopna Township refers to the established Mooroopna township area.
- Mooroopna Township at full development (AFD) refers to the area comprising the established Mooroopna Township and the Mooroopna West Growth Corridor.
- Shepparton City refers to the area which includes the existing and growth areas of Shepparton Urban Area, Shepparton Surrounds, Kialla and Mooroopna.
- Greater Shepparton City refers to the Greater Shepparton City municipal area.
- At full development refers to the time when a geographic area is fully built out.

1.4 Study Methodology

The study methodology involved the following steps:

- A review of planning and policy documents developed by the Greater Shepparton City Council and other organisations which have relevance to community infrastructure provision in Mooroopna.
- Identification of existing and planned community infrastructure that caters for or will cater for the Mooroopna.
- An assessment of the capacity of existing and planned infrastructure in Mooroopna and the remainder of Shepparton City to provide for increased demand generated by residential development and population growth in Mooroopna.

- A quantitative analysis of the future demand for community infrastructure generated by the Mooroopna Township AFD.
- Discussion with officers from Council and other relevant organisations involved in the provision of community infrastructure about existing and future community infrastructure provision in Mooroopna.
- A qualitative assessment of community infrastructure needs in Mooroopna based on the findings of the literature review, infrastructure audit, quantitative assessment and consultation process.
- Confirmation of future community infrastructure needs in Mooroopna and how these needs could be addressed.
- Production of draft and final reports.

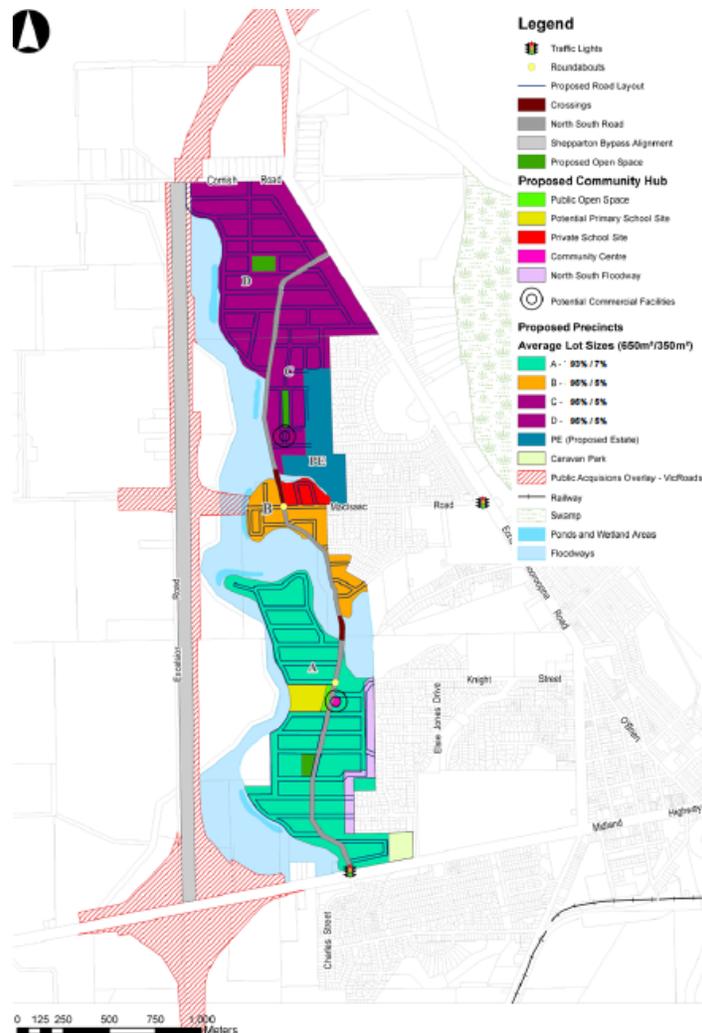
SECTION TWO – MOOROOPNA DEVELOPMENT CONTEXT

2.1 Mooroopna West Growth Corridor

The Mooroopna West Growth Corridor is 260ha in size and bounded by the established township area to the east, Cornish Road to the north, the Goulburn Valley Highway (Shepparton Bypass) reservation to the west and Midland Highway to the south. The Corridor is broken into five precincts. It is anticipated that, at full development, the precincts will yield 1,600 lots and generate a population size of 3,840. (Note: the lot and population may be less as the northern section of Precinct C and the majority of Precinct D may not be developed due to flooding constraints).

A Structure Plan has been produced for the Corridor. The plan provides for neighbourhood parks, a government school site, private school site, community hub, walking/cycling paths, waterway/drainage reserves and linear park. DET has indicated that the government primary school site is not required and the private school site is being developed for affordable housing.

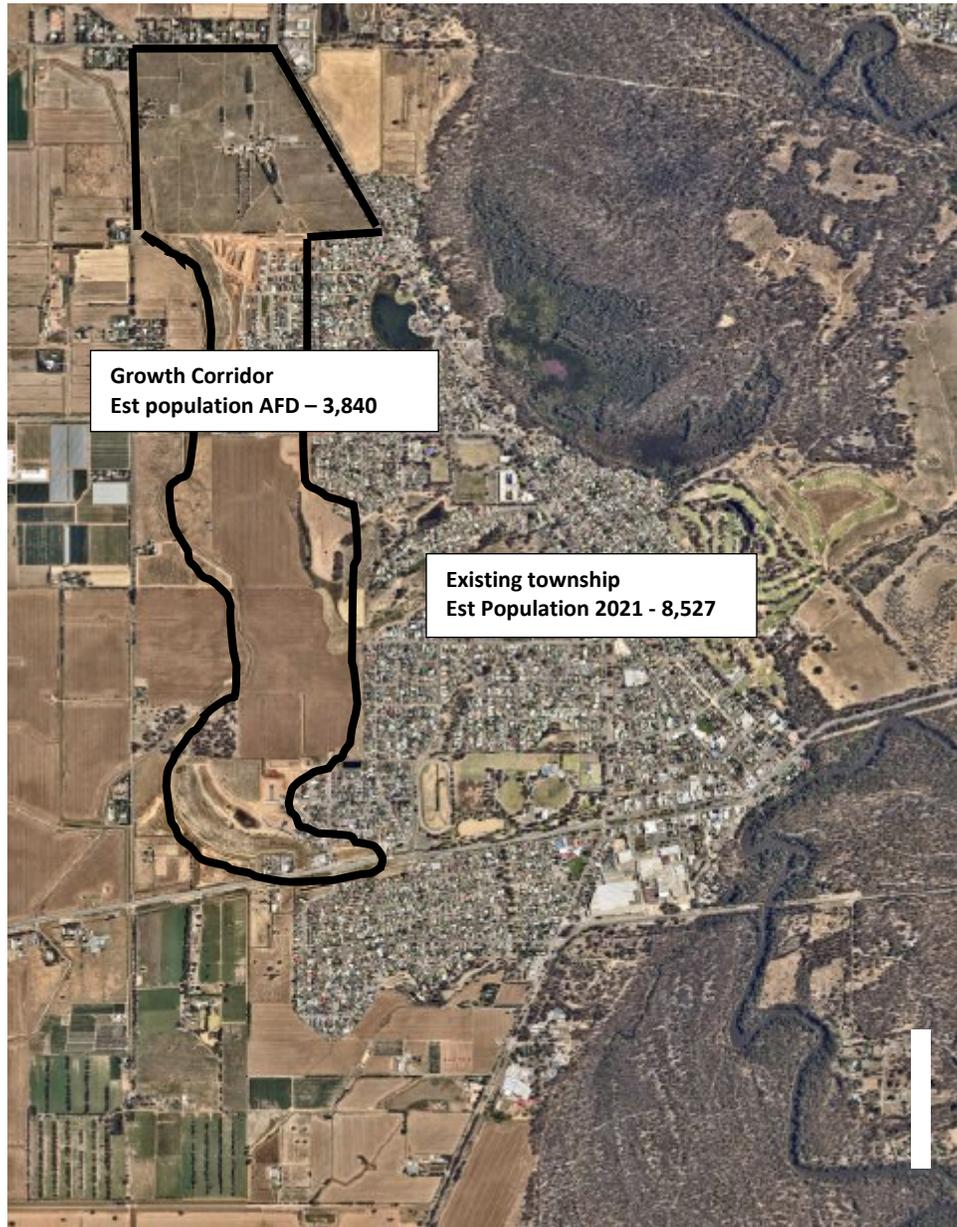
Figure 1 – Mooroopna West Growth Corridor Structure Plan



2.2 Mooroopna township

The Mooroopna Township AFD is located 6 kms from the Shepparton CBD. It comprises the Growth Corridor and the established Mooroopna Township. The established area has a population of 8,527 (source: id. Population Forecasts). The Township's population is expected to grow to 12,367 when the Growth Corridor is fully developed.

Figure 2 – Mooroopna Township



2.3 Development areas

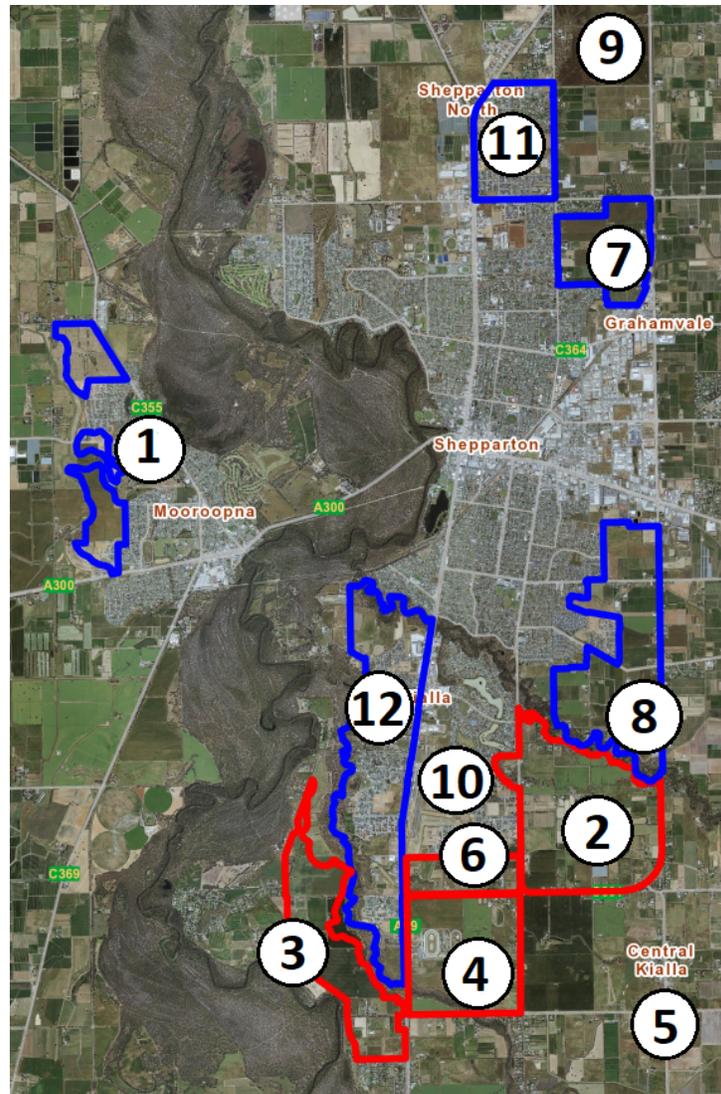
The Mooroopna West Growth Area is one of ten certain/potential development areas in Shepparton City (note: Shepparton City includes Mooroopna). At full development, the development areas could yield an additional 10,575 lots and accommodate an extra 25,380 people.

Table 1 – Development areas: Shepparton City

	Development areas	Timeframe	Est dwelling yield	Est population yield
1	Mooroopna West Growth Area	Existing	1600	3840
2	Kialla Nth Growth Area	Short (1-5 years)	1500	3600
3	Kialla West Growth Area	Medium (6-10 years)	800	1920
4	Kialla Sth Growth Area	Medium (6-10 years)	350	840
5	Kialla Central	Long term (10+ years)	To be confirmed	To be confirmed
6	Waterbird Creek	Short (1-5 years)	170	408
7	Shepparton North-East PSP Area	Existing	1500	3600
8	Shepparton South-East PSP Area	Short (1-5 years)	2500	6000
9	Former Radio Australia Site	Long term (10+ years)	1725	4140
10	Shepparton Airport Site	Unknown	430	1032
	Total		10575	25380
11	Shepparton North Growth Corridor	Existing	1042	2750
12	Shepparton South Growth Corridor	Existing	1582	4115

Sources: VPA, GSCC and Shepparton and Mooroopna Regional Growth Plan (2021)

Figure 3 – Development areas



Notes:

- 1 – Blue outlines existing growth corridors and red outlines future growth corridors
- 2 – Boundaries for long term growth corridors have not been included

2.4 Greater Shepparton City

The Greater Shepparton City municipal area is projected to experience significant population growth over the next 2-3 decades as a result of infill development and the new residential development areas described in Section 2.5 of this report. The population is estimated to grow from 69,860 in 2021 to in excess of 106,000 at full development. This population growth will substantially increase demand for local and district level community infrastructure (e.g., early years facilities, community meeting spaces, playing fields, parkland) and sub-municipal, municipal and regional level community facilities (e.g., hospitals, performing arts centres, museums, aquatic facilities).

Table 2 – Population estimates: Greater Shepparton City

Area	Existing	New residential	Total ¹
SHEPPARTON CITY			
Shepparton Central	2626	-	2893

Area	Existing	New residential	Total ¹
Shepparton North-Central	5742	-	6092
Shepparton South	6903	1032 ²	8093
Shepparton South-East	7536	6000	13536
Shepparton North-East	5628	7740 ³	13369
Shepparton North-West	7083	0	7278
Shepparton Surrounds East	3229	200	3820
Shepparton Surrounds South	1735	0	1936
Kialla	7095	6768	13863
Mooroopna	8527	3840	12367
Subtotal	56,104	25,580	83,247
RURAL AREAS			
Tatura	5107	8683	13790
Rural East	1132	-	1198
Rural North	1741	-	1849
Rural North-West	2925	-	3045
Rural South	2846	-	3049
Subtotal	13,751	8,683	22,931
Total	69,855	34,263	106,178

Source: Greater Shepparton City Council Forecast and 2050 Growth Plan

Notes:

1. Table 2 includes population estimate from existing residential areas, new development areas, infill and long term sites (e.g., the Shepparton Airport Site and Former Radio Australia Site)
2. Includes the Shepparton Airport Site
3. Includes former Radio Australia Site (although not formally in the SNE local area)
4. Population estimates for Kialla do not include the Kialla Central Growth Area. Estimates are not yet available for this growth area

Figure 4 – Rural local areas, population growth

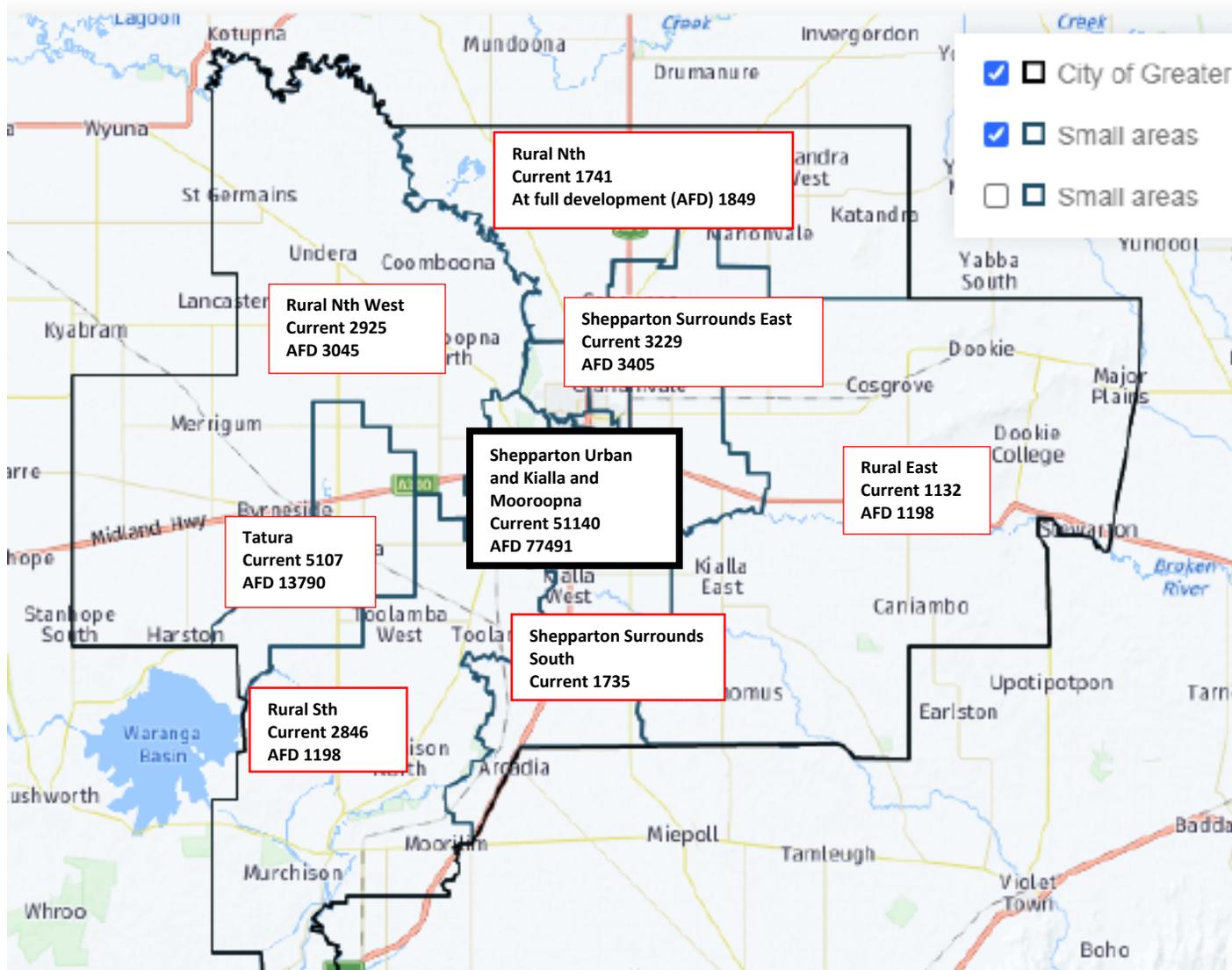
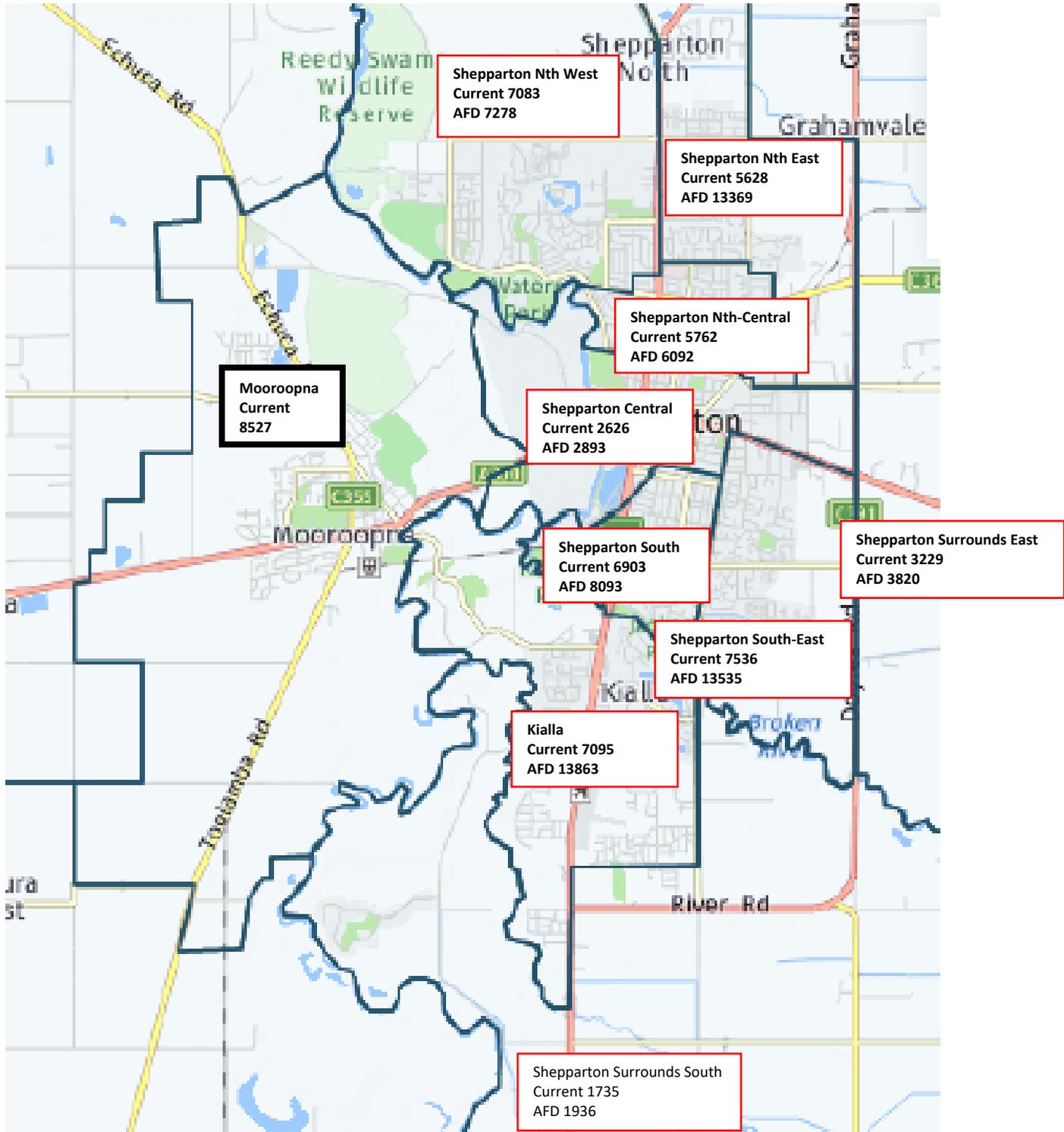


Figure 5 - Shepparton City local areas



SECTION THREE – LITERATURE REVIEW

3.1 Shepparton and Mooroopna 2050 Regional Growth Plan 2021

The Shepparton and Mooroopna 2050 Regional Growth Plan provides a vision and framework for the future development of the Shepparton, Mooroopna and Kialla Growth Areas through to 2050. The Plan indicates that the population of the area is projected to grow from 66,000 in 2021 to around 78,000 in 2031. The Plan identifies:

- Three existing residential growth areas, the being the:
 - Mooroopna West Growth Corridor (accommodating approximately 1,600 lots)
 - Shepparton North East Precinct Structure Plan (accommodating approximately 1,500 lots)
 - Shepparton South East Precinct Structure Plan (accommodating approximately 2,500 lots).
- Six future residential growth areas, the being the:
 - Kialla North Growth Corridor (short-term growth corridor, accommodating approximately 2150 lots, now revised down to 1,500 lots)
 - Kialla West (medium-term growth corridor, accommodating approximately 800 lots)
 - Kialla South (medium-term growth corridor, accommodating approximately 350 lots)
 - Kialla Central (long-term growth corridor, with lot numbers to be confirmed as part of a structure planning process)
 - former Radio Australia Site (long-term growth corridor, with lot numbers to be confirmed as part of a structure planning process)
 - Shepparton Airport (long-term growth corridor, with lot numbers to be confirmed as part of a structure planning process).

The 2050 Growth Plan makes the following references to community infrastructure provision In Shepparton City:

- Munarra Centre for Regional Excellence Masterplan
- Latrobe University expansion
- Greater Shepparton Education Plan implementation
- Shepparton Railway Precinct Masterplan
- GOTAFE Masterplan
- Goulburn Murray Trade Skills Centre development
- RiverConnect Paths Masterplan
- Aquamoves Redevelopment Masterplan
- Shepparton Sports and Events Centre redevelopment
- Shepparton Railway Precinct Masterplan
- Business case for Youth Hub
- Expansion of tertiary courses and facilities in the Shepparton CBD.
- Partnerships or co-location of services between the City library and the STEP Library to provide additional community resources
- Creation of an arts precinct near the STEP site
- Mooroopna Hospital renewal
- Old Mooroopna High School Site redevelopment

3.2 Mooroopna West Growth Corridor Structure Plan (2009, Revised 2013)

This document provides a long term development plan for the Growth Corridor. The document contains the following comments about community infrastructure:

- Existing facilities servicing the Mooroopna population are either at capacity or very close to being fully utilised by the existing population base.
- The development of the Mooroopna Hub (co-location and upgrade the community house, preschool, occasional childcare, maternal and child health, senior citizens facilities and an expanded community library) is an example of a response to the need to upgrade and extend existing facilities to meet current needs and expectations.
- The future population and household growth expected within the Mooroopna West Growth Corridor will create a need to extend existing and create new community infrastructure to satisfy local needs and expectations for community services.
- The Demographic and Community Centre Analysis indicates that it is appropriate for there to be an additional hub within the Mooroopna West Growth Corridor. The Structure Plan sets aside an area of land for this future hub.

The concept plan for the Growth Corridor makes provision for a centrally located community hub. It also provides for neighbourhood parks, government school site, private school site, walking/cycling paths, waterway/drainage reserves and linear park. The Mooroopna West GC DCP makes provision for land and construction of a community centre, the construction of a 3.5km walking track and the installation of playgrounds at three parks.

3.3 Mooroopna Recreation Reserve Masterplan (2022)

The Mooroopna Recreation Reserve Draft Masterplan 2022 plan provides Council with a vision for supporting the future use, development, management and maintenance of the Reserve. The Plan lists 18 development priorities at the reserve, including:

- Provision of changerooms for football and netball use on the northern side of the main oval.
- Provision of a multi-purpose change, toilet and kiosk building.
- Upgrade of the sports stadium.
- Provision of access to raw water – investigate improvements to raw water through new access points and possible increase of capacity of the dam to ensure there is sufficient water for future developments and to service the bowls and lawn tennis facilities.
- Upgrade of Max Connors Pavilion toilet.
- Upgrade of Sir Ian McLennan Centre to incorporate toilets and enhanced social facilities for the tennis club.
- Provision of off-leash dog area within the harness track.

3.4 Mooroopna Community Plan (2022- 2026)

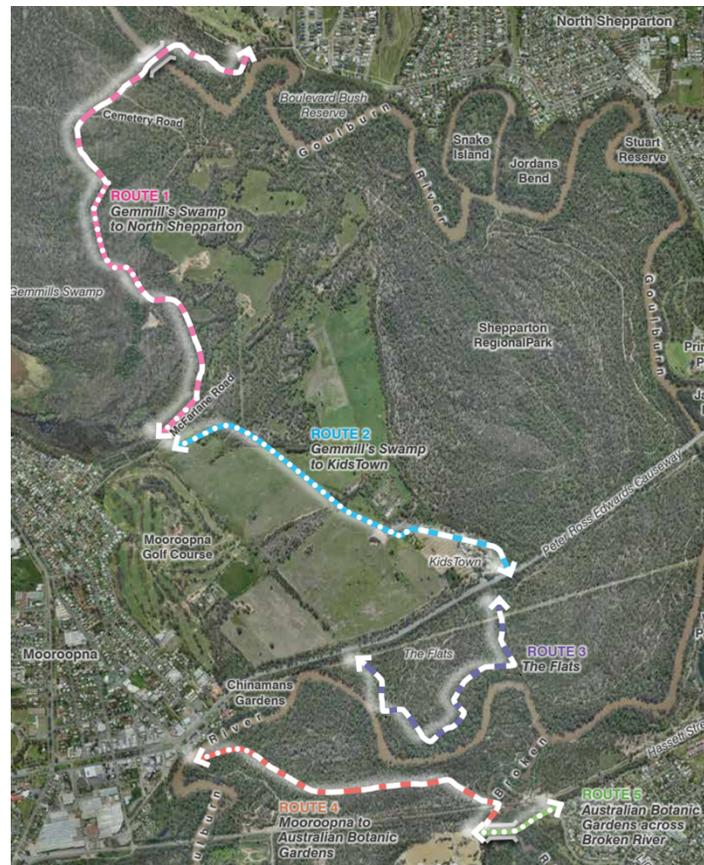
This plan identified the key priorities of the Mooroopna Community with respect to the future development of the Mooroopna township. The community infrastructure related priorities were as follows:

- Support the development of a walking track between Gemmill Swamp and Kidstown.
- Advocate for the continuation of the Elsie Jones Drive footpath and improved lighting.
- Advocate to DET around continued access and ongoing safety of Stadiums and Community Halls.
- Participate in consultation and provide feedback to Council around the reuse of significant buildings or redevelopment of the old Mooroopna Hospital site.
- Advocate for, and support the implementation of, the Greater Shepparton Playspace Strategy.
- Advocate for additional shade at Charles St playground.
- Advocate for improved safety at Craigmuir Lake Park and explore fencing and additional shade options.
- Stevens Crescent Park – Paint bollards and progress Stage 2 of development and activation.
- Explore opportunities for a Water / Splash Park.
- Explore improvements to Kaieltheban Park in collaboration with local Aboriginal Community.
- Advocate and support all community groups, public halls, recreation reserves and open spaces and support their priorities.
- Advocate for the GV Trails project.

3.5 RiverConnect Paths Masterplan (2015)

This document contains a plan for the development of walking and bike paths in the Mooroopna and Shepparton area. With respect to Mooroopna, the plan proposes that a path be constructed between Mooroopna and the Australian Botanical Gardens in Shepparton.

Figure 6 – Riverconnect Paths Masterplan (2015)



3.6 Other documents

Other documents relating to community infrastructure provision were reviewed (see Appendix A). They included the following:

- Shepparton North-East Precinct Structure Plan (2019)
- Shepparton South-East Precinct Structure Plan (PSP) Draft Plan (2021)
- Shepparton Education Plan (Stages One, Two and Three) (2016-2021)
- Shepparton Health and Tertiary Education Action Plan (Action Plan) 2020
- Shepparton Sport 2050 Report (draft 2021)
- Central Park Reserve and Masterplan (2019)
- Deakin Reserve Future Directions Plan (2017)
- Princess Park Future Directions Plan (2019)
- Vibert Reserve Masterplan (2004)
- Vibert Reserve Pavilion Redevelopment Plan (2020)
- Shepparton Sports Precinct Masterplan Report (2007)
- Shepparton Sports City Masterplan Report (2022)
- Shepparton Sports Stadium Future Directions Plan (2019)
- Congupna Recreation Reserve Masterplan (2020)
- Kialla Park Masterplan (2015)
- Aquamoves Masterplan (2020)
- Greater Shepparton Playspace Strategy (2021)
- Greta Shepparton Cycling Strategy (2013-2017)
- Whole of Sport Plans: Cricket and Tennis (2017)

These documents provide the following information:

- A development framework for the Shepparton North-East PSP area.
- The State Government's Plans with respect to the provision of education facilities across Shepparton.
- A vision and set of guiding principles for the expansion of higher education facilities in Shepparton.
- A plan to grow Shepparton as a health and tertiary education destination.
- A set of principles/standards relating to the provision of sport facilities in Greater Shepparton City.
- Directions to support the future use, development, management and maintenance of Central Park, Deakin Reserve, Princess Park, Vibert Reserve/Pavilion, Congupna Recreation Reserve and Kialla Park.
- Redevelopment plan for the Shepparton Sports Precinct, Sports Stadium and Aquamoves Aquatic Centre.
- Directions for supporting participation in tennis and cricket in Greater Shepparton City.

The principles, standards, findings and recommendations contained in the documents should be considered when assessing the demand for community infrastructure provision in Mooroopna, investigating gaps or deficiencies in provision and identifying future facility options.

SECTION FOUR – QUANTITATIVE ASSESSMENT OF COMMUNITY INFRASTRUCTURE DEMAND

4.1 Methodology

The quantitative assessment of demand involved the application of infrastructure provision ratios/standards to the projected lot yields and population sizes of new development and established areas in Mooroopna and Shepparton City.

Table 3 – Geographic areas, quantitative analysis

Area	Population at full development
Mooroopna West Growth Corridor	3,840
Existing Mooroopna Township	8,527
Mooroopna Township at full development (growth corridor and existing township)	12,367
Shepparton City	83,247

The ratios have been derived from several sources including the VPA Precinct Structure Planning Guidelines (2021). They are consistent with ratios used in infrastructure assessments conducted for growth areas in other regional cities, such as Ballarat, Geelong, Bendigo and Wodonga. The quantitative assessment has been confined to infrastructure items that are normally provided by Council (e.g., early years facilities, playing fields, community centres etc) and Government and private facilities that could be central components of community hubs (e.g., primary and secondary colleges etc). Some ratios apply to specific age cohorts and others to the entire population. The age breakdown projected in the ID population forecast for the Mooroopna local area in 2036 was used when specific age cohort sizes were required.

It should be noted that there are multiple provision ratios for some infrastructure items. For example, there are two distance ratios for active recreation reserves - the VPA standard of 1 reserve within 800m of all households and the Greater Shepparton City Council standard of 1 reserve within 2kms of all households. Both standards have been applied in the quantitative assessment but the Council standard has been used in the qualitative assessment as it considers local circumstances, e.g., housing density and ease of travel.

4.2 Outcomes

The outcomes of the quantitative assessment are provided in table 4. The table contains the following information:

1. Provision ratios/standards for each infrastructure type.
2. The service/facility demand generated by Mooroopna West Growth Corridor and Mooroopna Township AFD.
3. The overall facility demand generated by Shepparton City at full development.

The assessment confirms that:

- The Mooroopna West Growth Corridor will generate significant demand for local level infrastructure, e.g., 56 kindergarten places, 81 childcare places, 350 primary school students.
- Population growth across Mooroopna and the rest of Shepparton City will generate considerable demand for sub-municipal and municipal level infrastructure, e.g., 4 indoor courts, 1,500m² of library floor space.

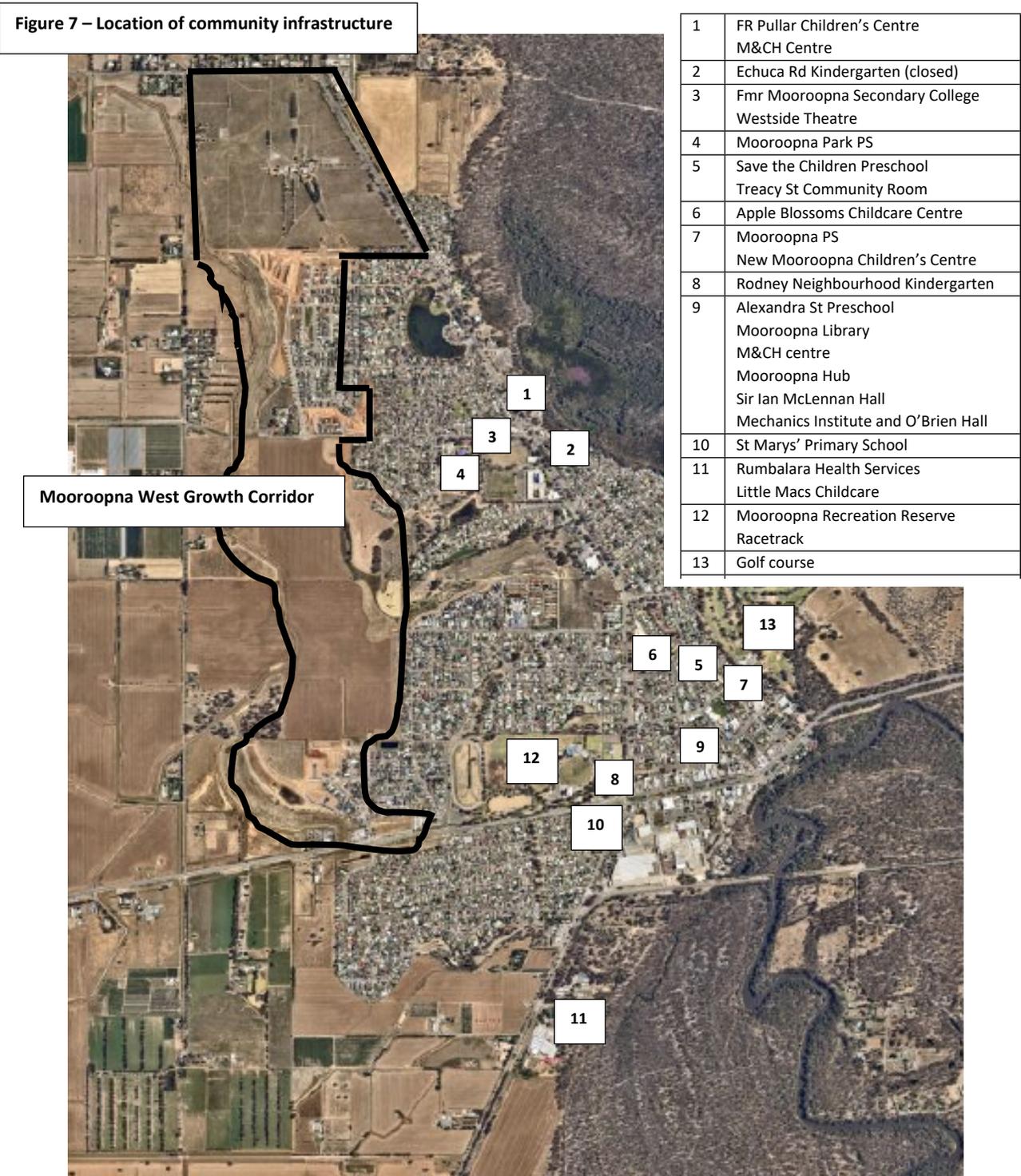
Table 4 – Quantitative Analysis Community Infrastructure Demand

Infrastructure item	Provision ratio	Demand generated at full development			
		Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	Population	3,840	8,527	12,367	83,247
Family/children services					
Kindergarten children 3yo	3yo children 100% participation	56	124	180	1205
Kindergarten children 4yo	4yo children 100% participation	56	124	180	1205
Kindergarten (place):3yo	1 place: 2 children aged 3yo	28	62	90	602
Kindergarten (place):4yo	1 place: 1 child aged 4yo	56	124	180	1205
Total kindergarten places	3 and 4yo 100% participation	84	186	270	1807
Maternal and Child Health (session)	1 session: 14 infants (0 year olds)	4	9	14	83
Long day childcare (place)	1 place: 4.8 children aged 0-6	81	179	260	1747
Occasional care	1 place: 28 children aged 0-6	14	31	45	297
Community facilities					
Neighbourhood house centre	1 centre: 16,000 residents	0.24	0.53	0.77	5.20
Multipurpose community centre	1 centre: 30,000 residents	0.13	0.29	0.42	8.40
Community meeting room/hall	1 room: 6,000 residents	0.64	1.42	2.06	13.88
Youth space/facility	1 venue: 1: 30,000 residents	0.13	0.29	0.42	2.77
Cultural facilities					
Centre based library	1 static library: 30,000 residents	0.13	0.29	0.42	2.80
	45 sqms per 1000 residents	175	388	562	3746
Community arts venue	1 venue: municipality (100,000 residents)	0.04	0.08	0.12	0.85
Museum	1 venue: municipality	0.04	0.08	0.12	0.85
Art Gallery	1 venue: municipality	0.04	0.08	0.12	0.85
Performing arts venue	1 venue: municipality	0.04	0.08	0.12	0.85
Civic/cultural space	1 venue: municipality	0.04	0.08	0.12	0.85
Open space	venue: municipality				
Open space – overall (ha)	10% of NDA	18	-	-	-
Local parks (ha)	3-5% of NDA	5-9	-	-	-

Infrastructure item	Provision ratio	Demand generated at full development			
		Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	Population	3,840	8,527	12,367	83,247
Local park	Within 400m of all dwellings (VPA)	2	4	6	-
Sports space (spaces)	1 space with 2km of all households (GSRC)	Northern section of corridor outside the 2km radius	-	-	-
Sports reserve (>1ha)	Within 800m of all dwellings (VPA)	All of corridor outside the 800m radius	-	-	-
Sports space (ha)	1ha – 1000 residents	3.8	8.5	12.3	85
Sports fields (ha)	5-7% of NDA	9-12	-	-	-
Football field	1 field: 5,000 residents	0.80	1.77	2.57	17
Cricket field	1 field: 4,000 residents	0.95	2.09	3.04	21
Soccer field	1 field: 5,000 residents	0.80	1.77	2.57	17
Field for lower profile sports	1 field: 15,000 residents	0.29	0.64	0.93	6
Tennis court	1 court: 3,000 residents	1.31	2.90	4.21	28
Lawn bowls green	1 green: 10,000 residents	0.38	0.85	1.23	8.5
Indoor multipurpose court	1 court: 10,000 residents	0.38	0.85	1.23	8.5
Indoor aquatic/leisure centre	1 venue: municipality	0.04	0.08	0.12	0.9
Education facilities					
Government primary students	53% of children aged 5-11	195	478	693	5918
Government secondary students	64% of children aged 12-17	159	390	565	3946
Catholic primary students	44% of children aged 5-11	146	358	519	1794
Catholic secondary students	28% of children aged 12-17	70	172	249	1769
Other non-government primary	3% of children aged 12-17	9	22	32	485
Other non-government secondary	8% of children aged 12-17	20	49	71	847

SECTION FIVE – COMMUNITY INFRASTRUCTURE IN MOOROOPNA

Figure 7 below shows the locations of community infrastructure in Mooroopna. The figure indicates that there is an extensive range of infrastructure which is largely concentrated in 3 locations – around the former secondary school site, the Library and the Mooroopna Recreation Reserve.



SECTION SIX – QUALITATIVE ASSESSMENT

6.1 Introduction

This section contains a qualitative assessment of community infrastructure needs in Mooroopna and Shepparton City. The qualitative assessment has been undertaken by service/facility type, i.e., early years, health, education, cultural, community services and recreation facilities.

The following information has been considered in conducting the assessment (where relevant):

- The recommendations contained in relevant Council and external documents.
- The findings of the quantitative assessment with respect to the number of facilities by infrastructure type required to cater for the Mooroopna AFD and Shepparton City.
- The comments of Council staff and other relevant providers and facility managers about current and future infrastructure needs and options for satisfying these needs.

6.2 Assessment

6.2.1 Early Years Education and Care Services/Facilities

3 and 4yo kindergarten

There are five operational kindergarten locations in Mooroopna. Echuca Rd is closed due to flood damage and is unlikely to be reopened. There is no location in Mooroopna West. The operational kindergartens offer 127 kindergarten places.

Table 5 – Kindergarten programs

Name	Address	Licensed places (equivalent)
SESSIONAL		
Save the Children	506 Central Avenue	35
Rodney Neighbourhood	5 Echuca Rd	29
INTEGRATED		
Mooroopna Children’s Centre	18 O’Brien St	25
Frank R Pullar Children’s Centre	Echuca Rd	20
Apple Blossom ELC	21 Anne St	18
		127
Echuca Rd	160 Echuca Rd	29

The quantitative assessment of demand indicated that, at full development, Mooroopna will generate demand for 270 kindergarten places (see Table 6). *Note: the State Government has announced its intention to fund 4yo kindergarten for 30 hours per week (up from 15 hours). This funding is proposed to be introduced from 2028 and fully implemented by 2032. The demand figures in Table 6 make provision for the 30 hour, 4yo program.*

The existing kindergartens in Mooroopna do not have the capacity to meet this demand – shortfall of 143 places. Consideration is being given to providing an additional kindergarten room at Frank Pullar Children’s Centre and/or Mooroopna Park Primary School. This could provide an additional 30-60 places. A planning permit has been issued for a new childcare centre in Mooroopna. This could provide an extra 30 places. There still could remain a deficit of up to 80 places. Provision should be made for a 3 room kindergarten facility in Mooroopna. From an access perspective, this should be in the Mooroopna West Growth Corridor

Table 6 – Estimated kindergarten demand

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Kindergarten (place)	84	186	270	1807

M&CH

There are three M&CH centres in Mooroopna – Frank R Pullar (1 room), Morrell St (2 rooms) and Rumbalara (1 room). At full development, Mooroopna will generate demand for 14 sessions per week. The existing centres in Mooroopna have the capacity for 40 sessions and can meet this demand.

Table 7 – M&CH centres

Name	Address	No of rooms
Mooroopna MCH Service	15 Morrell Street Mooroopna	2
Rumbalara MCH Service	Rumbalara Road Mooroopna	1
Frank R Pullar	Echuca Rd	1
Total		40

Childcare

There are 3 centres in Mooroopna – FR Pullar, Mooroopna Children’s Centre and Apple Blossom. Combined they offer 179 places.

Table 8 – Childcare centres, Shepparton City

Name	Address	Places
Frank R Pullar Children’s Centre	Echuca Rd Mooroopna	78
Apple Blossom	21 Ann Street Mooroopna	69
Mooroopna Children’s and Families Centre	16-18 O'Brien Street Mooroopna	32
Arthur Dickmann Children’s Centre	104 Maude Street	100
Wyndham Early Learning	617 Wyndham Street	128
Florina Preschool and Childcare	Crn Hawdon and Knight Street	82
Balaclava Road Children’s Centre	205 Balaclava Road	64
Good Start Early Learning	49-51 Bourchier Street	106
Good Start Early Learning	132-314 Archer Street	90
Guthrie St Childcare	52-54 Guthrie Street	80
Kiddie Care Child Care	122 Graham Street	114

Name	Address	Places
Knight Street Children's Centre	164 Knight Street	60
Inspira Kids Shop	21C Riverside Plaza Kialla	122
Kialla Children's Centre	Reserve Street Kialla	36
Proposed centres – Kialla, Shepparton NE and South		300

The demand assessment indicates that the Mooroopna Township at full development will generate demand for 260 places. Currently, there are 179 places in Mooroopna, leaving a shortfall of 81 places. This demand could be met by centres in Shepparton, existing providers in Mooroopna expanding their facilities and/or a new private centre being built. *Note: A planning permit has been issued for a 110 place childcare centre at the Mooroopna Hospital.*

Table 9 – Estimated childcare demand

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Long day childcare (place)	81	179	260	1747

6.2.2 Health/Community Support Services and Facilities

Primary care and community/mental health facilities

Mooroopna's primary health care needs are met by the Goulburn Valley Regional Hospital, Shepparton Private Hospital and various day clinics. The growing population across Greater Shepparton (including Mooroopna) will substantially increase the demand for services at these facilities. The hospitals/clinics will meet this demand by:

- Providing new and redeveloping existing facilities to increase productivity and throughput and respond to changes in medical and surgical treatment processes - the Goulburn Valley Hospital is currently being expanded to provide additional capacity. The redevelopment/expansion will double the size of the emergency department and dialysis unit and provide additional inpatient and intensive care beds, theatre rooms and a new maternity unit.
- Constantly updating processes and equipment to improve productivity.
- Using waiting lists to manage demand, where required.

Mooroopna's community/mental health care needs are currently being met by programs provided by Goulburn Valley Health, Rumbalara Health Services, Primary Connect, Headspace, APMHA HealthCare Ltd and private allied health and community health practitioners. These needs will continue to be met by these services and facilities as the population of Mooroopna and Shepparton City grows.

GP services/Dental/Allied Health Services

A larger number of public and private health, dental and allied health clinics operate in Mooroopna and the rest of Shepparton City. The further development of Mooroopna will increase demand for these services - a rise in Mooroopna's population of 3,500 will generate demand for 2-3 more general practitioners. These practitioners will join existing or new practices and will most likely operate from purpose-built premises. Specialist medical and allied

health practitioners, such as physiotherapists, may also operate from these practices. Consideration should be given to nominating a location for health facilities in the Mooroopna West Growth Corridor.

Community Support Services

Around 25 community support/care providers operate in Mooroopna and Shepparton on a full or part-time basis. These services will expand as the population of Mooroopna and Shepparton City grows. Other providers may also establish programs in Mooroopna and Shepparton. Many of the providers will occupy their own or rented spaces. Some will seek access to publicly owned facilities.

6.2.3 Education Facilities

Primary Schools

21 primary schools are located in Shepparton City – 13 government and 7 independent. In 2021, the schools had 5,477 enrolments. Three schools are located in the Mooroopna Township – Mooroopna, Mooroopna Park and St Mary's. One, Mooroopna North, is located in the rural district north of Mooroopna.

Table 10 – Primary schools, Shepparton City

Schools	Enrolments
Government	
Mooroopna Nth	35
Mooroopna Park	146
Mooroopna	231
Wilmot Rd PS	294
Bourchier St	644
Cowrie St	237
Guthrie St	490
Shepparton East	268
St George's Rd	494
Kialla Central	82
Kialla West	220
Orrvale PS	373
Congupna	78
	3592
Independent	
St Mary's	311
St Brendan's	408
St Mel's	282
St Luke's	269
Goulburn Valley GS (P-Y6)	369
Shepparton Christian School (P-Y6)	126
St Anne's (P-6)	120
	1885
Anglican independent school P-12 opening in 2024	Est. capacity, 700 students

The quantitative assessment indicates that, at full development, Mooroopna will generate 1,240 primary school enrolments. This includes 350 from the Growth Corridor. The existing schools in Mooroopna and Shepparton have

spare capacity and will be able to meet most of this demand. However, an additional school location/s may be needed. The Mooroopna West Growth Corridor Structure Plan makes provision for a primary school site. DET has indicated that this facility will not be required.

Table 11 – Estimated demand for primary school education

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Government primary students	195	478	693	5917
Catholic primary students	146	358	519	1794
Other non-government primary	9	22	32	485

Secondary Colleges

There is one government secondary college and 5 independent schools in Shepparton. In 2021, the schools had 3,456 enrolments. An additional school is being planned in Shepparton City – an independent P-12 school which will commence operation 2024. There is no secondary school in Mooroopna.

Table 12 – Secondary schools, Shepparton City

Secondary schools	Enrolments
Government	
Greater Shepparton College	2260
Independent	
Notre Dame College	1625
Shepparton ACE Secondary College	86
Goulburn Valley GS (Y7-Y12)	317
Shepparton Christian College (Y7-Y12)	108
St Anne's College currently (Y7-8)	60
Total	3456
Anglican independent school P-12 opening in 2024	Est. 600 students

The quantitative assessment indicates that, at full development, Shepparton City will generate 6,560 secondary school enrolments. This includes 885 students from Mooroopna Township AFD. The existing schools in Shepparton City, the Kyabram P-12 college and the new Anglican College in Shepparton will be able to meet most of this demand. However, an additional school location may be needed. It is unlikely that Mooroopna would be considered as a potential location as the secondary school in Mooroopna was recently merged. Kialla or Tatura would be more likely options.

Table 13 – Estimated demand for secondary school education, Shepparton City

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Government secondary students	159	390	565	3946
Catholic secondary students	70	172	249	1769
Other non-government secondary students	20	49	71	847

University/TAFE

GO TAFE, Latrobe University and Melbourne University operate in Shepparton. All have expanded their facilities in recent years and are planning further expansions over the next decade. These institutions have regional and state-wide catchments. They will be able to meet future demand.

6.2.4 Cultural facilities

The recently opened Shepparton Art Museum has the capacity to meet future demand for art exhibition and museum displays. There are two performing arts venues in Shepparton City – the Eastbank Function Centre/Theatre in Shepparton and the Westside Theatre at the former Mooroopna Secondary School Site. The function activity at Eastbank is operating at capacity. It would not be able to fully satisfy future demand. The theatres at Eastbank and Westside have spare capacity and could provide for future demand. Council has undertaken some preliminary research into how to provide for future demand. The research suggested a facility option where the Eastbank Centre was redeveloped as two distinct facilities – a theatre and function centre. This venue combined with Westside would have the capacity to satisfy future demand.

There is a static library in Mooroopna. It is considered to be large enough to meet future demand. However, it needs updating and possibly reconfiguration to provide more activity area.

Table 14 – Estimated demand for cultural facilities

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Community arts venue	0.04	0.08	0.12	0.85
Museum	0.04	0.08	0.12	0.85
Art Gallery	0.04	0.08	0.12	0.85
Performing arts venue	0.04	0.08	0.12	0.85
Centre based library	0.13	0.29	0.42	2.80
Library Floor area	175	388	562	3746

6.2.5 Community centres/meeting spaces

Mooroopna's community centre/meeting spaces needs are currently met by the Mooroopna Mechanics Hall, O'Brien Hall, Mooroopna Education and Activity Centre, McLennan Sports Centre, Treacy Community Room, school and church halls, and guide and scout halls. Community facilities in Shepparton can also provide for Mooroopna residents. These facilities have the capacity to cater for future demand from the Mooroopna community. The Mooroopna West GC Structure Plan makes provision for a community/children's centre. This report also recommends that this centre be developed. The new centre and existing should have the capacity to cater for future meeting space demand from the Mooroopna community.

Table 15 – Estimated demand for community facilities

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	82,839
Neighbourhood house centre	0.24	0.53	0.77	5.20
Multipurpose community centre	0.13	0.29	0.42	8.40
Community meeting room/hall	0.64	1.42	2.06	13.88
Youth space/facility	0.13	0.29	0.42	2.77

6.2.6 Recreation facilities

Indoor recreation facilities

There are two aquatic facilities in Shepparton City – Aquamoves and the Mooroopna Outdoor War Memorial Pool. Aquamoves is a regional level indoor/outdoor facility which provides for Greater Shepparton Rural City and beyond. Council is beginning the implementation of a 10-part redevelopment masterplan for the centre. The works include the refurbishment of the kitchen, offices and changerooms and provision of new facilities including a warm water pool, wellness area, expanded gym and water slide facilities. Council is about to undertake an aquatic facilities plan which will identify whether any works are required to update the Mooroopna pool. The redeveloped/expanded centre and the redeveloped Mooroopna Pool will be able to cater for Mooroopna at full development.

There are currently 6 indoor sports facilities in Shepparton City. 4 are located at former school sites, one at a private school and one at the Shepparton Sports Precinct. 2 additional courts will soon be provided at the new Greater Shepparton Secondary College. Council recently completed a future directions plan for the Shepparton Sports Stadium. The plan recommends that 2 additional courts be provided at the Stadium. Combined, the schools and sport stadium could provide 16 courts.

Table 16 – Indoor sport facilities, Shepparton City

Location	No of courts
Existing	
Shepparton Sports Stadium	4
Visy Stadium	2
Former Mooroopna Secondary School	1
Former McGuire College	1

Location	No of courts
Greater Shepparton Secondary College	2
Notre Dame College	2
Planned/potential additional	
Greater Shepparton Secondary College	2
Shepparton Sports Stadium	2
Total	16

The quantitative analysis of demand indicated that, at full development, one court is needed to cater for Mooroopna and 8 courts for Shepparton City. There are sufficient existing and planned courts in Mooroopna and Shepparton City (16) to more than meet this demand.

Table 17 – Estimated demand for indoor courts

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Indoor multipurpose court	0.4	0.9	1	8

Playing fields

There are 13 active recreation reserves in Shepparton City. These reserves accommodate a range of playing fields, e.g., soccer, cricket, hockey and equestrian. The largest reserve is the multi-faceted Shepparton Sports Precinct. It contains 11 playing fields including regional soccer and hockey venues. In addition to the 13 active reserves, there are 5 schools in Shepparton City that have playing fields which are suitable for junior sport and, at some venues, senior sport.

Mooroopna has one active reserve. It contains 4 football/cricket fields, rectangular space that can be used for 2 soccer fields, 17 tennis courts, 2 netball courts and 5 bowling greens. Council has recently produced a masterplan for the reserve which makes recommendations about improving the condition and capacity of the playing fields, courts and pavilions at the reserve.

The quantitative assessment for outdoor active recreation spaces contains distribution standards and field/area to population ratios. The distribution standards specify the maximum distances that all households can be from a sporting reserve – Council standard 2kms, VPA 800ms. The application of these standards to Mooroopna Township AFD indicates that:

- The northern portion of the Mooroopna West Growth Corridor is outside the 2km standard.
- All of the Growth Corridor is outside the 800m radius standard.

The field/area to population standards specify the amount (area) of space and number of fields that are needed. The application of these standards to Mooroopna indicates the following:

- 12ha of active recreation space is required across Mooroopna AFD.
- 4ha is required to cater for the Mooroopna West Growth Corridor.

- 3 football, 3 cricket and 3 soccer fields are needed to cater for Mooroopna AFD. There are currently 5 cricket/football fields and 2 soccer fields.

Council's Sports 2050 Plan identifies that there is sufficient supply of fields across Mooroopna/Shepparton City to meet current and future soccer and cricket demand. The Plan indicates that more capacity may be required for football. The Plan recommends that the capacity of existing playing fields be optimised through surface improvements, lights etc. It also recommends that greater public use be made of school facilities. The Mooroopna Recreation Reserve Masterplan makes similar recommendations about enhancing capacity.

Table 18 – Estimated demand for sports fields

Infrastructure item	Demand generated at full development			
	Mooroopna West Growth Corridor	Existing Mooroopna Township	Mooroopna Township AFD	Total Shepparton City
	3,840	8,527	12,367	83,247
Sports space (spaces)	Northern section of corridor outside the 2km radius	-	-	-
Sports reserve (>1ha)	All of corridor outside the 800m radius	-	-	-
Sports space (ha)	3.8	8.5	12.3	85
Sports fields (ha)	9-12	-	-	-
Football field	0.80	1.77	2.57	17
Cricket field	0.95	2.09	3.04	21
Soccer field	0.80	1.77	2.57	17
Field for lower profile sports	0.29	0.64	0.93	6

Courts and greens

There are 17 tennis courts, 5 bowling greens and 2 netball courts in Mooroopna. This is more than a sufficient number to satisfy demand from Mooroopna at full development.

Regional and municipal recreation venues

Mooroopna residents have access to a wide range of municipal and regional level facilities in nearby Tatura and Shepparton. These facilities include a velodrome, BMX track, hockey venue, all water athletics track, aquatic centre and equestrian centre. These facilities have the capacity to cater for Shepparton City and Mooroopna.

6.2.7 Passive areas

The Mooroopna community has access to the full hierarchy of passive open space – major/regional, district and local/neighbourhood parks. The Shepparton Regional Park is located within a 5-minute drive of Mooroopna. Other major/regional parks located in or near Shepparton include Victoria Park, Goulburn River Linear Park, Shepparton Botanical Gardens, Gemmills Swamp Water Conservation Reserve and Kidstown Adventure Playground. Mooroopna has around 15 neighbourhood and local parks, including Norton Preserve, Rodney Park and Smyth Reserve. The Mooroopna West Structure Plan provides for 3 new local parks and wetland area in the Structure Plan area. These new and existing parks will meet the passive recreation needs of the future Mooroopna West community.

SECTION SEVEN – SUMMARY OF INFRASTRUCTURE REQUIREMENTS

7.1 Summary of strategies for meeting future demand

Table 19 provides strategies for satisfying the additional demand generated by population growth in Mooroopna.

Table 19– Strategies for satisfying additional demand

	Demand		Strategy for meeting demand
	Mooroopna West Growth Corridor	Mooroopna Township AFD	
Population	3,840	12,367	
3 and 4yo kindergarten (place)	84	270	Optimal use of existing and planned kindergarten programs in Mooroopna A new integrated 3 kindergarten room children’s/community centre in Mooroopna West
M&CH (session)	4	14	Optimal use of existing M&CH centres in Mooroopna
Long day childcare (places)	81	260	Optimal use of existing and planned long day care centres
Multipurpose community centre	0.13	0.42	Optimal use of existing facilities - Mooroopna Mechanics Hall, O’Brien Hall, Mooroopna Education and Activity Centre, McLennan Sports Centre, Treacy Community Room, school and church halls, and guide and scout halls Activity spaces in the proposed children’s/community centre in Mooroopna West
Centre based library	0.13	0.42	Upgrade and reconfiguration of Mooroopna Library
Centre based library floor space (sqms)	175	562	
Cultural facilities	0.13	0.29	Optimal use of modernised Eastbank and Westside facilities Redevelopment of the Eastbank venue as two distinct facilities – theatre and function centre Optimal use of Shepparton Arts Museum
Football	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Cricket	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Soccer field	1	3	Upgrade of Mooroopna Recreation Reserve as per the Reserve Masterplan
Fields for lower profile sports	0.29	1	Optimal use of fields and ancillary facilities at Shepparton Sports Precinct area
Tennis court	1	4	Optimal use of existing facilities in Mooroopna
Bowls green	0.4	1	Optimal use of existing facilities in Mooroopna
Aquatic facilities	0.04	0.12	Upgrade of Mooroopna Pool Optimal use of a redeveloped and expanded Aquamoves Centre
Indoor courts	0.38	1.2	Optimal use of a redeveloped and expanded Shepparton Sports Stadium

	Demand		Strategy for meeting demand
	Mooroopna West Growth Corridor	Mooroopna Township AFD	
Population	3,840	12,367	
			Optimal use of the stadium in Mooroopna
Primary school education	350	1244	Optimal use of existing primary schools in Mooroopna Possibly, a new primary school in Mooroopna West
Secondary school education	249	885	Optimal use of existing secondary schools in Shepparton City area Optimal use of proposed Anglican School Provision of new Government Secondary College, preferably in Kialla or Tatura

7.2 Details of required new or modified facilities

Table 20 lists the facilities that should be considered for location in the Mooroopna West Growth Corridor and identifies the catchment area served by the facility. There are five catchment areas:

- Mooroopna West Growth Corridor – 3,840 people
- Mooroopna Township AFD – 12,367 people
- Shepparton City – 82,840 people
- Greater Shepparton City – 105,770 people

The table provides detail on the land areas required for the facilities and construction costs. Note that these figures are 'ESTIMATES' and will need to be firmed up through detailed planning processes. The table also provides figures on the proportion of demand that can be attributed to the Mooroopna West Growth Corridor. The proportions are determined by dividing the population of the Mooroopna West Growth Corridor into the catchment population for the facility.

Table 20 – Proposed facilities in the Mooroopna West Growth Corridor

Infrastructure items	Catchment area served	Estimated land area required (ha)	Estimated construction cost (\$)	Proportion of demand attributable to Mooroopna West Growth Corridor
A new children's centre – 3 kindergarten rooms, consulting room, activity spaces	Mooroopna West	0.8-1.0ha	6,500,000	100%
Local passive open space and pathways	Mooroopna West	5ha	2,000,000	100%

New or modified infrastructure will be required elsewhere in Mooroopna to provide for the Mooroopna West Growth Corridor. This infrastructure is outlined in Table 21.

Table 21 – Potential facilities elsewhere in Mooroopna and Shepparton City

Infrastructure items	Catchment area	Estimated land area required (ha)	Estimated construction costs (\$)	Proportion of demand attributable to Mooroopna West Growth Corridor
Upgrade and reconfiguration of Mooroopna Library	Mooroopna Township AFD	-	1,000,000	31%
Upgrade of Mooroopna Recreation Reserve	Mooroopna Township AFD	-	TBD	31%
Upgrade of Mooroopna Pool	Mooroopna Township AFD		TBD	31%

New or modified district, sub-municipal and municipal infrastructure will also be required elsewhere in Greater Shepparton City to provide the Mooroopna West community. This infrastructure includes the redeveloped Eastbank Centre, expanded Shepparton Stadium and redeveloped Aquamoves facility. The need to provide this infrastructure and the facilities listed in Tables 21 and 22 should be considered when reviewing the contributions plan for the Mooroopna West Growth Corridor.

APPENDICES

Appendix A – Literature Review

Name	Description	Implications for assessment
Shepparton North-East Precinct Structure Plan	<p>This Plan provides a development framework for the Shepparton North-East PSP area. The Area is projected to yield around 1,500 homes and accommodate a population of around 4,000. The PSP provides for:</p> <ul style="list-style-type: none"> - Land and construction of a district park and 3 local parks - Bike and shared paths - Land for a private school and government school - Land and construction of a community facility 	The provision made in Shepparton North-East PSP for a government and non-government school should be considered when assessing the need for school facilities in Mooroopna.
Shepparton Education Plan (Stage One)	<p>This document outlines the State Government’s Plan with respect to the provision of education facilities across Shepparton. Stage One covered secondary education. It recommended that the four secondary schools in Shepparton - McGuire College, Mooroopna Secondary College, Shepparton High School and Wanganui Park Secondary College - merge to form one new single-campus secondary school. The key characteristics of the Plan were:</p> <ul style="list-style-type: none"> - Merging all four secondary schools to form a new secondary school on one site, capacity 3000 students - A school within a school or ‘House model’ of around 300 students from all year levels to ensure effective engagement, wellbeing and catering for individual students - The provision of new buildings including specialist and technical facilities - A secondary students’ support Hub that will provide integrated support services. 	The capacity of the merged secondary school to cater for Shepparton City should be investigated in the community needs assessment.
Shepparton Education Plan (Stage Two)	The Stage Two covered early years education. It made 17 recommendations, one specifically related to infrastructure - the provision of an integrated early years service in Mooroopna.	The recommendations contained in the plan should be noted when undertaking the Mooroopna Assessment.
Shepparton Education Plan (Stage Three)	<p>The Stage Three covers primary education. It does not contain any specific recommendations relating to infrastructure. Instead, it outlines the following framework for the future provision of primary education in Shepparton:</p> <ul style="list-style-type: none"> - Create a positive climate for learning and development where services demonstrate the highest levels of respect and inclusion and, as a result, Koorie children and learners of all ages feel strong in their identity within all services - Build community engagement in learning and development so that, through partnership and collaboration, services work together with Koorie people to find innovative ways to improve outcomes in local communities - Build a culture of professional leadership where success for Koorie Victorians is core business for all educational leaders - Achieve excellence in teaching, learning and development at all education stages. 	The principles/framework contained in the plan should be noted when undertaking the Mooroopna Assessment.

Name	Description	Implications for assessment
Shepparton Health and Tertiary Education Precinct 2020 (Action Plan)	<p>This Document contains a vision and set of guiding principles for the expansion of higher education facilities in Shepparton. Infrastructure related recommendations/suggestions were as follows:</p> <ul style="list-style-type: none"> - Using the Precinct as a catalyst for urban revitalisation and projects that improve amenity and function both within the Precinct and throughout the CBD - Updating the facilities in the Precinct to lift the image and attractiveness of the precinct - Making sure that any future design and redevelopment for the Precinct is based around creating an urban style campus that feels open and provides spaces, places and connections that improve and form part of the City - Opening-up buildings for different uses for the local community and hosting events - Providing training facilities and opportunities that can be used by the local community and become part of the city fabric and daily life 	The information contained in the Plan should be noted when considering the higher education needs of the Mooroopna community.
Shepparton Health and Tertiary Education Action Plan (Action Plan) 2020	<p>This Plan aims to grow Shepparton as a health and tertiary education destination. The Plan indicates that there are currently two health and education hubs in Shepparton. Hub One is the Shepparton CBD Health and Tertiary Education Hub which comprises La Trobe University, Goulburn Ovens Institute of TAFE (GOTAFE), Goulburn Valley Health (GV Health) Community, Youth Foyer and Genesis Care Radiation Therapy Centre. Hub Two is the Graham Street Precinct which comprises GV Health's major acute referral hospital, The University of Melbourne Shepparton Rural Clinical School and, potentially, the proposed GV Health and La Trobe University Clinical Health School.</p> <p>The Plan contains the following recommendations:</p> <ul style="list-style-type: none"> - Establish the Shepparton Health and Tertiary Education Steering Committee - Prepare an business case to attract investment in the health and tertiary education sector - Invest in infrastructure to enhance connectivity to and between health and tertiary education facilities. - Deliver urban realm improvements in the Shepparton CBD to enhance the location as one to study, work, live and invest - Advocate for funding for the GV Health and La Trobe University Clinical Health School at Graham Street. 	The information contained in the Plan should be noted when considering the higher education needs of the Mooroopna community.

Name	Description	Implications for assessment
Shepparton Sport 2050 Report	<p>This document contains a number of principles/standards which relate to the provision of sports facilities. These are:</p> <ul style="list-style-type: none"> - Preferably, sports facilities will have multiple playing fields/elements - In smaller towns, sports facilities should be located in hubs - 1ha of sports space should be provided for every 1000 people - Every household in an urban setting should have a sports space within 2kms - Sport facilities should be categorised as follows – 1) Premier/Regional, 2) District, 3) High demand local, 4) Low Demand local - All sports facilities should be optimally used - New spaces/facilities should only be provided if existing fields are being used to their optimum and cannot cater for additional demand - Investment aimed at increasing capacity and existing facilities should be made before new facilities are built - School sporting facilities should be used for community sport where feasible. <p>The document contains an assessment of the provision of sport spaces in each township with respect to the 2km radius provision standards. The assessment found as follows:</p> <ul style="list-style-type: none"> - Shepparton: there is a lack of sport soaces in the eastern areas of Shepparton. This may be exacerbated further in the coming years with the release of the growth corridors and in-fill areas - Radio Australia site, the Shepparton North East in-fill site and the Shepparton South East Growth Corridor - Kialla: a large portion of the Kialla North Growth Corridor and a portion of the Kialla West Growth Corridor will fall outside of the 2km buffer zone of the current sport facilities. - Mooroopna: a large area of northern Mooroopna and the infill areas of Mooroopna West are not within a 2km zone. The planned in-fill development noted as Mooroopna West will further increase the area not serviced by existing sports facilities - Tatura: a small portion of the north of Tatura is not within the 2km buffer zone (excludes the Hill Top Golf & Country Club). 	<p>The provision standards outlined in the report should be applied in quantitative assessment of demand. The findings from applying the standards should be considered in the qualitative assessment of community infrastructure provision.</p>
Shepparton Sports City Masterplan 2022	<p>This masterplan makes recommendations about the broad range of district, municipal and regional level sporting infrastructure that is provided at the reserve. The major works listed in the action plan that relate to providing more capacity and higher quality recreation facilities are as follows:</p> <ul style="list-style-type: none"> - Upgrade and enhancement of the capacity of Wanganui Oval – lighting, resurfacing, irrigation, pavilion replacement. - Development of the Munarra Centre - Retirement of the existing Shepparton Sports Stadium and construction of a new 6 court stadium. - Retention of Visy Stadium. - Development of a shared circuit trail. - Redevelopment of the netball centre to provide 8 compliant floodlit courts with shelters and seating and an expanded pavilion. - Replacement of the existing indoor courts with a new 6 court indoor stadium. 	<p>The recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision.</p>

Name	Description	Implications for assessment
	<ul style="list-style-type: none"> - Redevelopment of the athletics centre to provide and expanded pavilion and facilities for field events. - Upgrade of the tennis pavilion and courts. - Upgrade of the floodlighting and extension of the pavilion at the hockey centre. - Expansion of the soccer pavilion. - Lengthening of the main soccer field to make it suitable for other sports. - Provision of a new cycling pavilion. - Increasing the number of powered sites at the Equestrian facility. 	
Shepparton Sports Stadium Future Directions Plan 2019	The document contains a redevelopment/expansion plan for the Shepparton Sports Stadium. The plan provides for the refurbishment of the existing centre, two additional courts, retractable seating for 1500m new multipurpose room, six squash courts and a new sports house/hub on the mezzanine floor (est cost \$18.5m).	The recommendations in the plan should be considered in the qualitative assessment of sports facility provision.
Aquamoves Masterplan 2020	The Aquamoves Centre is being developed in two stages. Stage One is complete. Stage Two is still outstanding. The masterplan reviewed the merits of continuing with Stage Two in the context of existing and future aquatic needs of the Shepparton community. The masterplan proposes a 10 part redevelopment of the facility. The works will include the refurbishment of many areas within the centre – kitchen, offices, changerooms etc – and the provision of major new facilities including a warm water pool, wellness area, expanded gym and water slide facilities. The cost of the expansion/redevelopment is estimated to be \$32m.	The recommendations in the plan should be considered in the qualitative assessment of aquatic facility provision.
Whole of Sports Plan Cricket	<p>This Plan provides Council with a vision for supporting cricket at a local and regional level and to guide the development of improved facilities that will meet current and future community need. The plan states that participation in cricket in Greater Shepparton has been in decline over the last 10 years. The Plan found that:</p> <ul style="list-style-type: none"> - There were 31 cricket locations in Shepparton - The locations were well distributed - There were sufficient facilities to meet existing and future demand - The quality of the facilities varied. 	The finding that cricket participation is declining and there is sufficient capacity to cater for future demand should be noted in the qualitative assessment of sports field provision
Whole of Sport Plan Tennis	This Plan provides Council with a vision for supporting tennis at a local and regional level and to guide the development of improved facilities that will meet current and future community need. The plan states that broadly at a local level there have been significant declines in participation by adults and in competitive tennis. It finds that there are sufficient courts to meet current and future demand. The Plan commits Council to supporting tennis participation and working with Clubs and Tennis Victoria to include club facilities.	The finding that cricket participation is declining and there is sufficient capacity to cater for future demand should be noted in the qualitative assessment of tennis court provision
Central Park Reserve and Masterplan 2019	This masterplan provides Council and user groups with a direction to support the future use, development, management and maintenance of Central Park. The Reserve is located in Shepparton East, 2.2kms east of the edge of the Shepparton South East PSP area. The facilities at the reserve include a multi-purpose sports oval, tennis and netball courts, a community centre, scout hall, several other smaller buildings used as change-rooms, meeting rooms and for social purposes, caretaker residence and playground. Its user groups are the	The findings and recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision, especially the reserve's capacity to cater for the Mooroopna

Name	Description	Implications for assessment
	<p>Shepparton East Football Netball Club, Central Park St Brendans Cricket Club, Central Park Tennis Club and Country Women's Association.</p> <p>The key recommendations of the masterplan were as follows:</p> <ul style="list-style-type: none"> - Upgrade existing netball courts - Redesign recreation reserve entry - Construct new multipurpose change rooms - Resurface or replace the tennis courts - Investigate issues with cricket pitch - Replace the scoreboard - Upgrade toilet facilities 	
Deakin Reserve Future Directions Plan 2017	<p>This Plan provides strategic direction for the future management and development of the Reserve. Deakin Reserve is Greater Shepparton's premier sportsground facility and is home to the Shepparton Bears Football Netball Club, Shepparton United Football Netball Club and Central Park/St Brendan's Cricket Club. The reserve also hosts regional, state and national events and sporting activities. The facilities at the reserve include a senior size oval, 2 netball courts, 3 sets of clubrooms, grandstand, support infrastructure including, shelters, public accessible toilets, car parking including disabled parking bays, access roads, guide hall and playground.</p> <p>The key recommendations of the masterplan are as follows:</p> <ul style="list-style-type: none"> - Investigate alternative training locations for the clubs using Deaking Reserve - Construct a 2nd netball court - Upgrade the oval surface to enhance capacity - Provide more seating around the reserve - Increase storage facilities. 	The findings and recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision.
Princess Park Future Directions Plan 2019	<p>The Plan provides Council with a vision for supporting the future use, development, management, and maintenance of Princess Park. The reserve comprises two playing fields, pavilion, changerooms, netball court, support infrastructure including, shelters, public accessible toilets, car parking including disabled parking bays, access roads, fencing, some storage, Shepparton Italian Social Club facility including bocce courts, enclosed grandstand providing sheltered spectator seating, public toilet facilities and scoreboard. The main users are the Shepparton Swans Football Netball Club, Shepparton Runners Club, Shepparton and Youth Club United Cricket Club Shepparton Junior Cricket Association and Shepparton Italian Social Club:</p> <p>The key recommendations of the masterplan are as follows:</p> <ul style="list-style-type: none"> - Investigate feasibility of developing a multipurpose pavilion for football, netball, soccer - Provide female friendly changerooms - Upgrade public toilets, improve spectator amenities – seating and shelter - Relocate netball court - Provide picnic facilities - Formalise carpark. 	The findings and recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision.

Name	Description	Implications for assessment
Vibert Reserve Master Plan (2004)	<p>This Plan provides a framework for redeveloping the sporting infrastructure and providing new social facilities for the community at the Reserve. The facilities proposed include:</p> <ul style="list-style-type: none"> - A Community Hub including a library, offices, meeting rooms and community house - A kindergarten and childcare centre - A building for the Wilmot Primary School after school care program adjacent to the existing multi-purpose hall - One new Australian Rules football oval adjacent to the College junior football - Four new cricket grounds (2 turf and 2 synthetic wickets) - Two soccer pitches (one with training lights) - Six new tennis courts with competition standard lighting (two courts to include dual line marking for basketball) - A new sports pavilion of the cricket and soccer clubs - A new indoor basketball stadium adjacent to the existing stadium at McGuire College - A down ball court adjacent to the tennis courts - A new road network and parking for approximately 100 vehicles 	-
Vibert Reserve Pavilion Redevelopment Plan (2020)	<p>Stage 1 of the Vibert Reserve Pavilion was constructed in 2009. The facility included a small function space, kitchenette, two multi-use change rooms and club storage area. The pavilion was expanded in 2013. The expansion included the construction of two more multi-use change rooms, umpires wing and an external accessible toilet for sports use. Stage 3 of the pavilion development is about to be undertaken. This Stage will involve the relocation of the South Shepparton Community Centre to the site. Works include:</p> <ul style="list-style-type: none"> - Demolition of car park and part playground - Relocation of Irrigation water tanks and irrigation system - Construction of new car park, car park lighting and landscaped areas and entrance - Construction of pavilion extension (neighbourhood house & sporting clubs area) including increasing social room space, store rooms, meeting rooms, office space, kitchen, bar and bathroom facilities, laundry and foyer areas. 	The works proposed in the redevelopment plan and the relocation of the South Shepparton community centre to the Vibert Site should be noted when considering the community facility needs of the Mooroopna community.
Congupna Recreation Reserve Masterplan (2019)	<p>The Plan provides Council with a vision for supporting the future use, development, management and maintenance of Congupna Recreation Reserve. The reserve comprises an oval, football changerooms, netball changerooms, old tennis pavilion, netball courts (X2), tennis courts (X4), toilet block and changerooms. It is used by Congupna Football Netball Club, Shepparton United Juniors Football Club, Congupna Primary School (Cluster days), private bookings, Congupna CWA and Feyes Line Dancing. The key recommendations of the masterplan are as follows:</p> <ul style="list-style-type: none"> - Upgrade the community centres: heating and cooling, toilets and compliance - Upgrade the football change rooms - Erect an electronic scoreboard - New community changerooms - Improve oval lighting - Provide netball shelters 	The findings and recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision.

Name	Description	Implications for assessment
	<ul style="list-style-type: none"> - Improve netball court drainage - Improve oval drainage - Upgrade wakking track Upgrade and relocate cricket nets 	
Kialla Park Recreation Masterplan (2015)	<p>The Kialla Park Recreation Reserve Masterplan aims to provide strategic guidance for the future planning, management and operations of the reserve over the next 10 years. Kialla Park comprises facilities for lawn bowls, cricket, football and tennis as well as a child care centre, a playground and community centre.</p> <p>The plan outlines a number recommendations including;</p> <ul style="list-style-type: none"> - Establishing an informal Reserve Committee made up of user groups. - Continuing discussions with AFL to determine future strategic directions in the region. - Undertaking a feasibility study for the development of an artificial turf oval - Upgrading the main oval surface including expansion, surface improvements and lighting to the main oval. - Sealing roadways, improve traffic calming measures and signage. - Bowls Club to work towards replacement of carpet on undercover bowls green and develop a future capital replacement program. 	The findings and recommendations of the masterplan should be considered in the qualitative assessment of sports facility provision.

Appendix B – Sports fields, 2km radius, Mooroopna

