



WOLLONGONG CITY COUNCIL

# SPORTSGROUND AND SPORTING FACILITIES STRATEGY 2017-2021

PROPERTY AND RECREATION DIVISION  
INTEGRATED PLANNING DOCUMENT  
SUPPORTING DOCUMENT  
ADOPTED 26 JUNE 2017

## Executive Summary

This strategy aligns to our community goal “We are a healthy community in a liveable city” and will help achieve the Wollongong 2022 Community Strategic Plan objective of increasing participation in recreational and lifestyle activities. The aim of this strategy is to assist Council to meet the existing and future needs of the community in a sustainable manner.

The strategy has drawn upon the Federal and State Governments own strategic approach to sport, the views and visions of our own sporting community, current trends in sport and Council’s own assessment of its sports infrastructure.

In March 2015, at the NSW Sports Leadership Forum, noted the significant impact of community sport:

- Individuals – improved physical wellbeing and self-esteem.
- Health – reduce health costs, noting its contribution to reducing obesity related illnesses, cardiovascular disease, diabetes, hypertension and mental illness.
- Civic – creates stronger community networks and social cohesiveness.
- Economy and Tourism – increases local economy by attracting regional, state and international sporting events. Visitors may then return to the City as tourists.

This Forum also noted that the participation landscape continues to evolve with:

- Growth in self-organised physical activity (eg cycling, skating, surfing, outdoor exercise).
- Competition is not always the key driver for sports participation. There is growing emphasis on fun, fitness, relaxation and the social aspects of sport through being with friends.

Key focus areas for Council include the following:

- Increased sportsground capacity.
- Renew and enhance existing sports facility infrastructure with a focus on gender equity, accessibility and storage.
- Secure ongoing funding for sports facility renewal and enhancement.
- Develop and implement policies that ensure compliance and safe participation.
- Pursue accountability in licensed and leased agreements.
- Explore joint venture partnerships.
- Invest in infrastructure to support and accommodate emerging sports and independent recreation pursuits.

The provision of quality sportsgrounds and sporting facilities is critical to the delivery of sport programs for the residents of Wollongong. Ensuring our community has access to appropriate sports infrastructure is a core function of Local Government. For Council this report proposes its focus on the provision of infrastructure to grow participation levels, hence the development of synthetic pitches, accessible and gender equitable change room facilities, provision of storage, lighting and drainage infrastructure will be areas that require our sports to seek Government support and partner with Council in their future development.

Currently the City has 67 designated sportsgrounds and these occupy 332.8 hectares, representing 13.2% of Council’s public open space. The availability and effective management of these Council assets is a fundamental requirement for sports participation throughout our City.

The 2017-2021 Sportsgrounds and Sporting Facilities Strategy seeks to clarify the current provision, distribution and identify service and infrastructure gaps in sportsgrounds and facility provision based on current and trending participation rates with the aim to determine the appropriate future needs, distribution, development and management of sportsgrounds and sporting facilities.



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# PART 1 – Strategic Context

## 1. Background and Rationale

In 2006, Wollongong City Council adopted the Planning-People-Places strategy for open space, recreation and community facilities. This strategic framework was developed to achieve a consistent and sound approach to planning for open spaces across Council Divisions for the next 20 years.

The Framework that Planning People Places adopted was  
One City  
Three Districts  
Ten Planning Areas

To further refine and implement the Planning-People-Places Strategy, Council in December 2007 adopted its initial Sportsgrounds and Sporting Facilities Strategy 2008 -2017, with the aim to guide the future provision of all sports grounds and facilities within the Wollongong Local Government Area.

Recognising that individual sport requirements and Council's own services have evolved since 2007, it was timely to revisit the strategy. Since the strategy was developed, a number of the key outcomes have been implemented including the provision of essential infrastructure at key locations including Sportsfield lighting and irrigation. Therefore it is timely to revisit the strategy in order to respond to emerging trends and identifying new opportunities to meet the needs of our changing community.

This strategy has drawn upon the Australian Sports Commission's participation game plan, **Play. Sport. Australia**, the current NSW State Government Sports Strategy, the views and visions of our own sporting community, current developments in sport and Council's own assessment of its sports infrastructure.

The aim of this strategy is to assist Council to meet the existing and future needs of the community in a sustainable manner. This strategy aligns to Council's community goal "We are a healthy community in a liveable city" and will contribute to achieving the Wollongong 2022 Community Strategic Plan objective of increasing participation in recreational and lifestyle activities.

With an Estimated Resident Population (ERP) of 210,943 in 2016, Wollongong is NSW's fourth largest city. Between 2006 and 2016 Wollongong's ERP increased by 20,034 persons or 10.4%. The population of Wollongong is forecast (ERP) to reach 224,052 in 2022 - with children and young people aged 0 to 14 making up 17.9% of the population. Between 2016 and 2022 this age group is expected to increase by 6%, meaning the planning of future sportsgrounds provision with the associated budget will be required to meet this anticipated growth.

For the purpose of this strategy we are excluding public swimming pools as they were addressed in Councils adopted "The Future of our Pools Strategy 2014-2024.



## 2. Strategic Setting

### 2.1 COUNCIL

Council ultimately has one Vision, one Program and one Plan, being the Community Strategic Plan, Delivery Program and Annual Plan. Supporting the Community Strategic Plan is a series of informing and supporting documents.

This Sportsground and Sports Facilities Strategy 2017-2021 forms one of Council's many supporting documents that include high level strategies or implementation plan proposals. These documents are considered as part of the development of Council's IPR Legislated Documents as part of the Annual Delivery Planning Process.

The Annual Delivery Planning Process involves a rigorous planning and prioritisation process and allocation of limited finances, people and assets in line with Council's Resource Strategy. Competing and limited resources mean that not all actions in Council's Supporting Documents are able to be implemented. Essentially, supporting documents may contain Unfunded Opportunities (UFO's) i.e. actions, deliverables, which are considered annually for inclusion in Council's IPR Legislated Documents as part of the Annual Delivery Planning Process.

This supporting document has been developed based on the information collated from peak sporting bodies during the consultation phase and contained within the informing document. This document aligns with the following goals and objectives identified in Council's Community Strategic Plan.

GOAL	OBJECTIVE
We have an innovative and sustainable economy	2.2 The profile of Wollongong as a regional city of the Illawarra is expanded and improved;
Wollongong is a creative, vibrant city	3.3 Community access to the areas and participation in the events and festivals is increased
We are a connected and engaged community	5.1 There is an increase in the physical fitness, mental health and emotional wellbeing of all our residents
We are a healthy community in a liveable city	5.3 The public domain is maintained to a high standard; 5.4 Community safety is improved

The Local Government (General Regulations) 1999 describes the type of community land which should be categorised as a sportsground:

"A sportsground is land used, or is proposed to be used primarily for active recreation involving organised sports or the playing of games. This includes sporting fields, courts, indoor sporting venues, swimming pools, skate parks and cycling facilities and the like".

Currently Council has 67 sportsgrounds consisting of 222 playing surfaces consuming 332.8 hectares which represents 13.2% of Council's open space. These are divided into a hierarchy system, namely Regional, District and Local sportsgrounds catering for 33,159 participants and generate income of approximately \$268k annual for casual hire. Given consideration that sport is played all year round the effective use, management and development of these sporting facilities is one of the key drivers for increased participation of players and sustainability of these facilities, particularly at junior level needs to be supported with adequate funding allocations.

## 2.2 STATE GOVERNMENT

From a strategy perspective the NSW Government openly acknowledges noted the significant impact of community sport.

At the Sport NSW Sports Leadership Forum in March 2015 the direct benefits of sport were highlighted,:

- Individuals – improved physical wellbeing and self-esteem;
- Health – reduce health costs, noting its contribution to reducing obesity related illnesses, cardiovascular disease, diabetes, hypertension and mental illness;
- Civic – creates stronger community networks and social cohesiveness;
- Economy and Tourism – increases local economy by attracting regional, state and international sporting events. Visitors may then return to the City as tourists.

It was also noted that the participation landscape continues to evolve with:

- Growth in self-organised physical activity (e.g. cycling, skating, surfing, walking);
- Competition is not always the key driver for sports participation. There is growing emphasis on fun, fitness, relaxation and the social aspects of sport through being with friends.

Given consideration that competition sport is played year round and the continued growth in self-organised sport such as skate boarding and mountain biking, the effective use, management and future capital investment development of these sports facilities will be critical to continue to harness the benefits of community sports participation. Two key concerns is the refinement of the State Government's sports funding models, with a greater emphasis on smaller electorate based contribution grants such as Community Building Partnership and Council's inability to access NSW Clubs Category 3 Club Grants.

It is also recognised that the NSW Government's 2021 Plan highlights the need to increase participation in sport in regional areas by 10%. Recent reports indicate that the participation rate in organised sport in regional NSW is in a slight decline. However, this decline is not yet evident in sporting registrations throughout the City.

## 2.3 FEDERAL GOVERNMENT

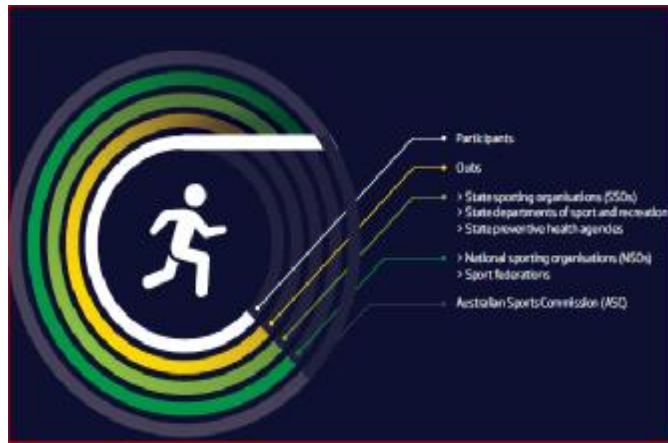
In March 2015 the Australian Government's key sports agency, the Australia Sports Commission (ASC), released their participation game plan, *Play. Sport. Australia*. The plan identify 2 significant issues

- **Keeping sport relevant and viable** – Sports are operating in a rapidly changing environment where Australian and increasingly time-poor, have limited budgets and inundated by new forms of entertainment. Preference towards other leisure activities is on the rise and eroding sports' traditional customer base.
- **Keeping Australians active and healthy**- Too many Australians, young and old are leading increasingly sedentary lives and are missing out in the multitude of benefits that come from participating in sport.

The ASC partnered with the CSIRO to identify trends in sport that are likely to affect the sector during the next 30 years. The study confirmed that people are increasingly,

- Favouring more flexible, non-organised physical activity, such as running with headphones on.
- Pursuing new lifestyle and adventure sports.
- Developing new tastes as our population are more culturally diverse.

Similarly, the study revealed that commercial forces are placing sporting organisation under pressure to adopt more business-orientated structures, now the challenge is to see how sports respond to these changes without eroding what makes sport unique and appealing.



The ASC has pinpointed 3 key focus areas that need to be addressed for the participation levels to increase, they want to *better understand* what is happening in sport, help *drive demand* for lifelong participation in sport and *support the networks that supplies* sport- our sporting organisations.



With 6.5 million Australians participating in organised sport annually and 2.3million people volunteering time for sport, the largest volunteer group in the country, sport is a defining characteristic of our country. Play Sport Australia sets out the compelling reasons why sport is important, not only for the health and wellbeing of our nation but also the economy importance, generating more than 12.8 billion annually and how we are perceived in a global sense.





### 3. Aims and Objectives

#### 3.1 AIM

The aim of this strategy is to assist Council to meet the existing and future sports grounds and sporting facilities needs of the community in a sustainable manner.

This strategy aligns to Council's Community goal "We are a healthy community in a liveable city" and will contribute to achieving the Wollongong 2022 Community Strategic Plan objective of increasing participation in recreational and lifestyle activities.

#### 3.2 OBJECTIVE

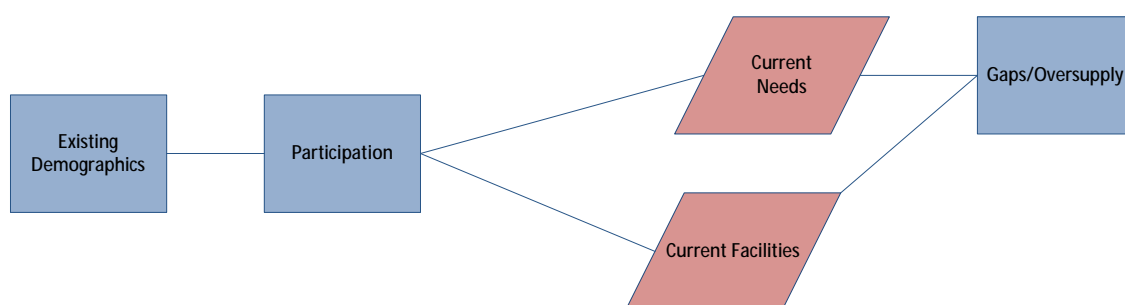
The Objective of this strategy is to:

Provide the strategic direction for Council to appropriately determine and allocate resource priorities based on current and long term needs for the optimum benefit of the sporting community over the next 20 years.

#### 3.3 METHODOLOGY

The methodology to be used to arrive at a strategic direction is

1. Identify the impact of shifting demographics and trends in sport participation to the long term provision of sporting facilities;
2. Assess the existing distribution and supply of sportsground facilities and determine the future facility needs of sporting organisations;
3. Identify opportunities to more effectively provide, develop and manage sports facilities in partnership with sporting associations and other parties;
4. Increase the effectiveness of facility provision by identifying the potential to share and multi-use facilities and amenities and develop partnerships with third parties; and
5. Create a set of standards and a decision model to prioritise development and establish protocols for reporting on facility provision and conditions.



The implementation of this Strategy will provide the catalyst to invest in infrastructure to accommodate the Federal and State Government's goal to increase the participation sport in regional areas by 10% within 5 years

## 4. Demographics and Participation Trends

Identify the impact of shifting demographics and trends in sport participation to the long term provision of sporting facilities

### 4.1 POPULATION TRENDS IN WOLLONGONG LGA

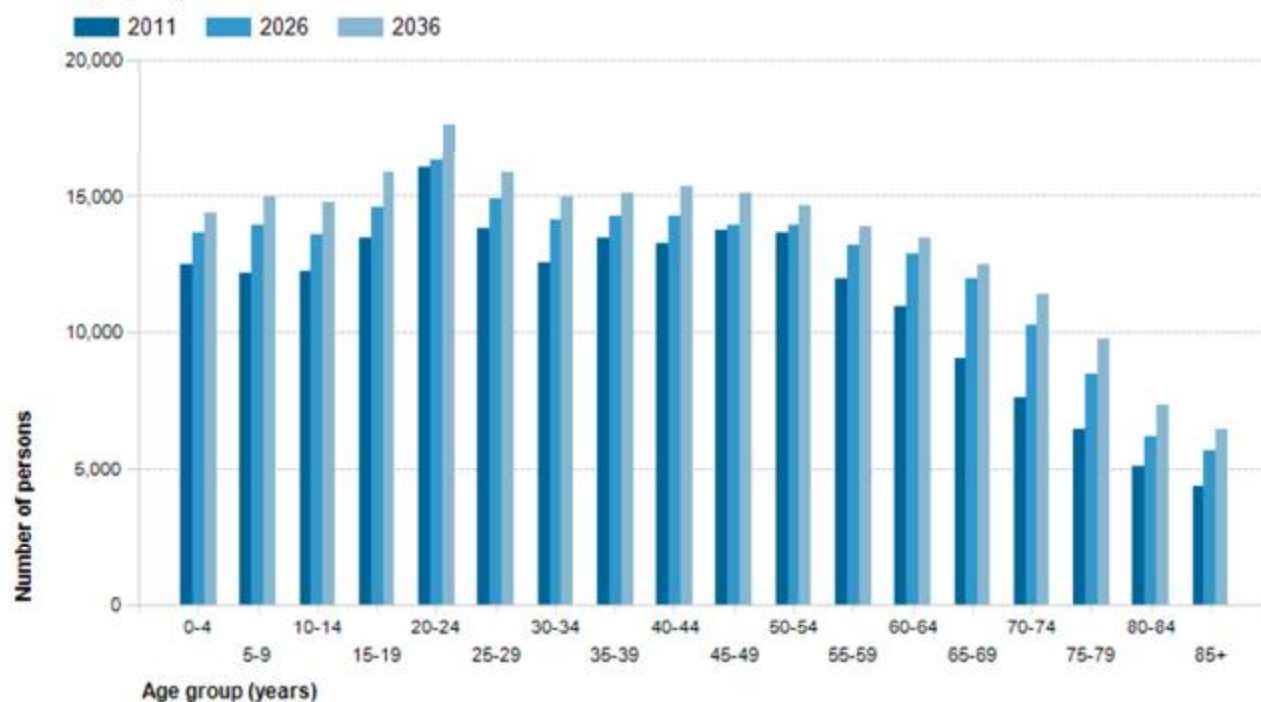
#### Forecast age structure - 5 year age groups

Wollongong City - Total persons							Change between 2011 and 2036
	2011		2026		2036		
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	12,467	6.2	13,603	6.0	14,407	5.9	+1,941
5 to 9	12,155	6.0	13,970	6.2	14,949	6.1	+2,794
10 to 14	12,224	6.1	13,563	6.0	14,780	6.1	+2,556
15 to 19	13,410	6.6	14,582	6.5	15,870	6.5	+2,460
20 to 24	16,014	7.9	16,273	7.2	17,574	7.2	+1,560
25 to 29	13,828	6.8	14,920	6.6	15,838	6.5	+2,009
30 to 34	12,536	6.2	14,138	6.3	14,973	6.2	+2,437
35 to 39	13,457	6.7	14,239	6.3	15,085	6.2	+1,628
40 to 44	13,220	6.5	14,260	6.3	15,314	6.3	+2,094
45 to 49	13,746	6.8	13,919	6.2	15,061	6.2	+1,315
50 to 54	13,626	6.7	13,913	6.2	14,667	6.0	+1,041
55 to 59	11,949	5.9	13,153	5.8	13,875	5.7	+1,926
60 to 64	10,928	5.4	12,869	5.7	13,421	5.5	+2,493
65 to 69	9,031	4.5	12,001	5.3	12,487	5.1	+3,456
70 to 74	7,595	3.8	10,247	4.5	11,376	4.7	+3,780
75 to 79	6,437	3.2	8,474	3.7	9,718	4.0	+3,281
80 to 84	5,097	2.5	6,185	2.7	7,347	3.0	+2,250
85 and over	4,322	2.1	5,666	2.5	6,415	2.6	+2,093
<b>Total persons</b>	<b>202,041</b>	<b>100.0</b>	<b>225,975</b>	<b>100.0</b>	<b>243,156</b>	<b>100.0</b>	<b>+41,115</b>

Population and household forecasts, 2011 to 2036, prepared by id. the population experts, September 2014.

## Forecast age structure - 5 year age groups

Wollongong City - Total persons



Population and household forecasts, 2011 to 2036, prepared by .id the population experts, September 2014.



### 4.2 PARTICIPATION TRENDS

Participation Rate in Sports NSW - all genders								
	2003	2004	2005	2006	2007	2008	2009	2010
Athletics	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.7
AFL	1.0	0.8	0.6	0.6	0.3	0.6	1.0	1.7
Baseball	n/a	0.4	0.4	0.4	0.1	0.3	0.3	0.3
Basketball					2.7	2.4	3.8	2.6
Cricket	2.6	3.2	2.2	3.0	2.7	3.2	2.8	3.4
Football	5.3	6.2	5.7	5.9	5.9	7.0	7.0	6.5
Hockey	0.8	1.2	0.6	0.7	0.5	1.4	0.4	1.1
Rugby League	1.6	1.6	2.1	1.9	1.8	1.6	2.4	2.1
Rugby Union	1.0	1.5	1.6	1.1	1.0	1.6	1.0	1.2
Netball	2.8	2.9	3.2	3.1	2.4	2.3	3.4	3.0
Softball	n/a	0.6	0.5	0.2	0.4	0.7	0.6	n/a
Tennis	9.8	9.8	9.1	7.4	6.7	7.5	6.6	6.8
Touch Football	3.6	3.5	3.2	4.0	3.6	5.0	3.6	4.4

Source – Participation in Exercise, Recreation and Sport Survey – Australian Sports Commission – data beyond 2010 is not available at this time

The above table has a footnote that the results have a high relative standard error range and should be used with caution. However they do indicate that Tennis and Football [Soccer] have strong and consistent participation rates.

## 5. Facility Distribution

Assess the existing distribution and supply of sportsground facilities and determine the future facility needs of sporting organisations

In line with the framework adopted in Planning People Place, Council provided sportsgrounds are categorised into three different categories:

- Regional North Dalton/Thomas Dalton – Cricket, AFL Touch, Beaton Park- Tennis, Basketball, Athletics, Finch- Baseball, Netball. Lindsay Mayne- Hockey.
- District- Rex Jackson, Thomas Gibson Park, Hollymount Park, Ziems Park, Guest Park, Figtree Oval, Darcy Wentworth/Noel Mulligan, Reed Park.
- Local /Community- Jim Allan Oval, St James Park, Clowes Park, Bulli Park, Cawley Park, Elizabeth Park 2, Bott Drive Reserve, Corrimal Memorial Park 2, Towradgi Park, Judy Masters Park, Keira Village Park, Wiseman’s Park, Beaton Park, JJ Kelly Park, Cram Park, Roy Johansen Park, Harry Graham Park, Unanderra Park, Lindsay Mayne, Berkeley Park, King George V Oval, Mt Kembla oval , Barina Park, Webb Park, Lakelands Oval, Hector Harvey Park, Boronia Park.

### Licensed Sites

AFL & Cricket- North Dalton Park

Football- Balls Paddock, Elizabeth Park, Corrimal Memorial Park, Tarrawanna Park, Ray Robinson Park, Judy Masters Park, Ocean park, JJ Kelly, Wetherall Park, Unanderra Park, John Crehan Park, Ian McLennan Park, Kooloobong Oval, Harry Graham Park

Ruby Union- Ocean Park, Vikings- JJ Kelly Pk

Tennis- Rex Jackson, Norm O’Brien, Otford Park, Stanwell Park Reserve, St James Park, Pine Court Reserve, Station Street Reserve, Thomas Gibson Park, Slacky Flats, Terrainia St, Wilga Street, Memorial Park, Fernhill, Pop Errington Park, Guest Park, Beaton Park, Wisemans Park, Gilmore Park, Figtree Park, Harry Graham, Ryan Park, Farmborough Heights Coachwood, Waples Rd, Unanderra Park, Webb Park, Reed Park, Primbee, Ray Crump Park, Windang.

### 5.1 BREAKDOWN ON PARTICIPATION AND HIERARCHY OF VENUES

SPORT	Participation	Sites	Regional	District	Local	Private /Non Council
Athletics	600	3	1	1	-	1 Local (Dapto Showground)
AFL	1497	7	1	5	-	1 District (Kully Bay)
Baseball	850	4	1	3	-	-
Basketball	1575	4	1	1		1 National (WEC), 1 District (UOW)
Cricket	1633	27	1	9	17	1 District (UOW)
Football	11300	43	1	11	27	1 National (WIN), 1 District (Albert Memorial Park), 2 Local (Dandaloo) & (PCYC)
Hockey	2280	2	1	-	-	1 District (UOW)
Netball	3339	5	1	2	2	-
Rugby League	3651	21				1 National (WIN), 1 Regional (Collies Figtree),
Rugby Union	2000	6	-	2	-	1 National (WIN), 2 District (UOW) & (TAFE), 1 Local (Dandaloo)
Softball	60	1	1	-	-	-
Tennis	4642	37	1	3	31	1 District (ACES), 1 local (UOW)
Touch Football	1307	3	1	-	2	-

## 6. Standards

Create a set of standards and a decision model to prioritise development and establish protocols for reporting on facility provision and conditions.

Competition is conducted at a number of different levels from juniors, seniors, masters to national and international levels. Each level has a facility standard that is set by state, national and international sporting organisations. A key strategy of Destination Wollongong is centred on "Sports Tourism". Providing regional level facilities allows the City to not only provide for its own sports needs but also to bid for State, National and International events. This not only exposes local sportspeople to a higher level of competition but delivers substantial economic benefit to the City.

The following table outlines the standard of facilities required for each level of competition and forms the basis of benchmarking future development of each council owned venue.

Competition Level	Facility Standard
National	<ul style="list-style-type: none"> <li>Conforms to National technical standards</li> <li>Enclosed to control access and generate revenue</li> <li>Provides facilities and amenities for competitors and officials for gender equity &amp; multiple teams or local events competitions</li> <li>Provides lighting for high level competition ,training and broadcasting</li> <li>Provides covered spectator seating and amenities</li> <li>Irrigation capacity to maintain turf</li> <li>Grounds are fully maintained and functional with no deterioration</li> <li>Designated off parking for participants and spectators</li> </ul>
State	<ul style="list-style-type: none"> <li>Conforms to State technical standards</li> <li>Enclosed to control access and generate revenue</li> <li>Provides facilities and amenities for competitors and officials for multiple teams or local events competitions</li> <li>Provides lighting for competition and training</li> <li>Provides limited spectator seating and amenities</li> <li>Irrigation capacity to maintain turf</li> <li>Grounds are fully maintained and functional with no deterioration</li> <li>Off street parking for participants and spectators</li> </ul>
Regional	<ul style="list-style-type: none"> <li>Conforms to State technical standards</li> <li>Enclosed to control access and generate revenue</li> <li>Provides facilities and amenities for competitors and officials for multiple teams or local events competitions</li> <li>Provides lighting for competition and training</li> <li>Provides limited spectator seating and amenities</li> <li>Irrigation capacity to maintain turf</li> <li>Grounds are fully maintained and functional with no deterioration</li> <li>Off street parking for participants and spectators</li> </ul>
District	<ul style="list-style-type: none"> <li>Conforms to codes general technical specifications for snr and jnr competition</li> <li>Is a multi-sport venue with shared amenities</li> <li>Provides lighting for some competition and training purposes</li> <li>Maximises land use and design</li> <li>Irrigation capacity to maintain surfaces</li> <li>Off street parking available</li> </ul>
Local/Community	<ul style="list-style-type: none"> <li>Provides senior and modified grounds to encourage maximum participation</li> <li>Is a multi-sport facility</li> <li>Maintained to provide safe playing conditions</li> <li>Provides basic amenities</li> <li>Council determines land use and allocates to provide maximum efficiency</li> </ul>



## 7. Decision Model

*Identify opportunities to more effectively provide, develop and manage sports facilities in partnership with sporting associations and other parties*

Council has a community reference framework that it uses to allocate funds from the Sports Facilities Reserve through its sports planning process. That framework is centred on the notion of "One Sport, One Voice".

The Sports & Facilities Reference Group (SFRG) operates under a charter "Attachment 1" with one representative from each peak sports body and three Councillors, with a Councillor as chair of the Group.

The importance of the retention of the "One Sport, One Voice" framework through the peak associations and their representation on SFRG is seen as critical to maintain the strategic focus on citywide sports development.

Sports represented include:

- Athletics
- Australian Rules
- Baseball
- Basketball
- Cricket
- Football [Soccer]
- Hockey
- Netball
- Rugby League
- Rugby Union
- Tennis
- Touch Football

Representatives from

- Communities NSW Sports
- Illawarra Academy of Sport
- Destination Wollongong

The Sports Planning Process sees applications for funding being received from individual clubs through the peak body of the sport and that body in turn prioritises and submits to the SFRG for assessment under a predetermined set of criteria. Projects are objectively evaluated and provided a ranking, which in turn may inform future capital funding through Council's Sports Reserve Fund.

It should be noted that the SFRG representatives has in the past been from traditional sports. It is acknowledged that emerging sports such as skateboarding and mountain biking are gaining momentum in participation and acceptance as mainstream sports. It is seen as an opportunity to review the SFRG charter to be more inclusive of the needs of these sports going forward.

## 8. Engagement and Communications

Engagement Activity	Purpose	Timeframe
Consult with sports peak bodies (Sports & Facilities Reference Group)	To gain an understanding of the sports participation rates, emerging needs and governing bodies requirements	2015-2016
Councillor briefing	Council publically exhibit the strategy and amend where necessary	2016 November
Presentation of final draft to Sports and Facilities Reference Group	Ensure information collected and collated is accurate	2016 December
Adoption or report	Council formally endorse the recommendation within the report	2017 June

## 9. Existing and Future Direction

To assist in achieving the objective of *Provide the strategic direction for Council to appropriately determine and allocate resource priorities based on current and long term needs for the optimum benefit of the sporting community over the next 20 years*, Council will need to overcome the barriers and limitations of the age, condition and limited functionality of its existing sports infrastructure. Opportunities for growth in participation lie in investing in provision of facilities for women, individuals with a disability and over 35 sports.

Key focus areas for Council include the following:

- Increased sportsground capacity
- Renew and enhance existing sports facility infrastructure with a focus on gender equity, accessibility and storage.
- Secure ongoing funding for sports facility renewal and enhancement.
- Develop and implement policies that ensure compliance and safe participation.
- Pursue accountability in Licensed and leased agreements.
- Explore joint venture partnerships.
- Invest in infrastructure to support and accommodate emerging sports and independent recreation pursuits.

## PART 2

### KEY FOCUS AREAS

## PART 2 – Key Focus Areas

### 1. Increase Sportsgrounds Capacity

Council has 67 sportsgrounds consisting of 222 playing surfaces; these are divided into a hierarchy system, namely regional, district and local sportsgrounds, catering for a number of sports. Currently there are 45 parcels of land designated as sportsgrounds and these occupy 332.8 hectares, representing 13.2% of Council open space, facilitating the 33,159 local organised sports participants.

The effective use and management of these assets is important to Council, the sporting organisations and the broader community; however the ability to provide access to new green field sites is limited to opportunities identified for West Dapto. To address ongoing demand for growing sports such as football (soccer) Council's approach should be targeted to the following areas.



## 1.1 GROUND ALLOCATIONS

Sportsground allocation is generally based on historic use of the site. Sports such as rugby league, rugby union and football (winter based sports) require similar sized grounds, unfortunately they are played during the same season, therefore limiting the ability for the codes to share or inhabit the same facility.

To optimise the utilisation of sportsgrounds throughout the year, Council co-locate synthetic cricket pitches between these fields wherever possible, increasing the utilisation of these venues and providing value for the community. Conveniently, cricket (turf wickets) and AFL require similar sized fields and are played in opposite seasons, allowing for shared use of the venue.

Encouragingly, junior baseball and senior softball have been working together to develop shared facilities which will again increase the viability/sustainability of operating and maintain these facilities.

Where capacity is increased through the provision of lighting or irrigation it will be paramount for the peak associations to work collaboratively with Council for the scheduling of training and competition, these groups should also focus on ensuring accessibility and gender equity to all facilities.

An underlying threat to sport in the City is the potential reduction in the private provision of sporting facilities, namely Venues NSW, Collegians, Lake Authority (State), University of Wollongong, TAFE, Dapto Showground, Dandaloo Hotel, BlueScope and land aligned to the Illawarra Local Aboriginal Land Council. If one or more of these location sand facilities was withdrawn from the current provision of sportsground, this would place further burden on Council to supply training and competition venues.

Council should continue to liaise with private providers and jointly encourage opportunities for the continuation of sporting activities at these venues.

### GOAL.1.1 The community has access to a diverse range of quality playing surfaces

Strategy:1.1 – Ensure equitable allocation of grounds while encouraging the development of multipurpose facilities

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
1.1.1 Council to continue to work with the Sports & Facilities Reference Group in future ground provisions throughout the City and in particular the new release areas in West Dapto	Meet on a bi- monthly basis with S&FRG	Conduct (5) meetings a year	2017-2021	operational	Sportsfields	High
	Council to initiate land acquisitions as identified in the West Dapto Section 94 Plan and other opportunities that present themselves throughout the City	Number of identified acquisitions completed annually	2017-2021	operational	Sportsfields	med
1.1.2 Consolidate facilities to allow greater flexibility and use of sites by other sports, (Fred Finch & Thomas Dalton Park)	Consult with sports to identify sites and explore potential opportunities	Number of meetings conducted and opportunities identified	2017-2021	operational	Sportsfields	
	Council continue to work with sports to encourage shared use of sites, in particular exploring options for training opportunities	Number of meeting held annually, sites identified and opportunities realised.	2017-2021	operational	Sportsfields	



## 1.2 GRASSED PLAYING SURFACES

Annually Council allocates approximately \$100,000 to topdressing fields, with the average football field requiring approximately 100 tonne (\$7,000) and a cricket oval requiring 180 tonne (\$13,000) of top dressing material. Given the 222 playing surfaces the current budget allocation does not enable sufficient grounds to be adequately maintained.

The playing surfaces on our sportsgrounds are further compromised with uneven surfaces, high compaction rates, poor drainage and little or no irrigation at most sites. Significant investment is required to carry out these remediation works on key high usage locations. Unfortunately the remediation or improvements required to provide a safe playing surface relies on the limited operational budget and volunteer labour of clubs. To maintain a minimum standard of presentation it is apparent that a capital investment in drainage infrastructure is a priority. Typical remediation costs, incorporating rotary hoe, levelling and returfing costs approximately \$55,000 per grassed playing field. In addition, rectification of drainage issues cost is a similar; failure to address drainage issues significantly compromises training and competition at a broad range of venues.

The sport of Cricket is serviced well within the city with 9 turf cricket wickets; these assets are now playing a key role in the regular attraction of State and National level events. The costs of servicing these sites each year require further investment in major renovation on a regular basis (approximately every 10 years) at an average cost \$50,000 per wicket.

At this time there is currently insufficient operational and capital funding to support grass playing surface renewal. The capital investment required to provide sports field drainage must be taken into consideration when budgeting for the Capital Plans.

### GOAL1.2. To ensure that adequate funding is allocated to provide quality grassed playing surfaces

Strategy 1.2: Provide quality public spaces and opportunities for sport on well-maintained assets that meets the needs of current and future communities

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
1.2.1 Council to allocate sufficient budget to allow for sportsgrounds, turf wickets and golf tees and greens refurbishment as well as improving playing surface and drainage at key sportsgrounds	Develop a future rolling works program for drainage, irrigation and surface refurbishment nominating priorities and financial implications	Develop rolling works program for identified issues	2017-2021	operational	Sportsfields	High

## 1.3 HARD COURT PLAYING SURFACES

Council has a number of aging hard court playing surfaces that have long term sustainability problems, as a result of historical construction techniques, in particular the Regional Netball Courts located at Fred Finch Park Berkeley. In addition many of the City's tennis courts (that are currently under licence) face similar structural issues.

In 2015 Illawarra District Netball Association partnered with Council (via the sports planning process) and invested in excess of \$500k into resurfacing the Regional Fred Finch Netball courts, however this investment provides has only provided a medium term solution (5-10 years) with the courts requiring ongoing maintenance. In addition the recently revised Netball Australia National Facilities Policy (March 2016) sees facility layout requirements that may result in the future expansion of the playing surface, to accommodate run off areas, if they wish to continue to host the Regional and State Championships.

Wollongong Tennis Courts Administration (WTCA) have been extremely proactive in managing the numerous court complexes across the City under their existing licence agreements, in particular converting old concrete courts into a durable synthetic surface, however some tennis courts will require significant remediation work to replace failing concrete slabs. This work is currently unfunded, again the capital required to undertake such works places a significant burden on the Licensee and potentially Council.

The sport of Tennis has regularly sought State Government funding to renew its assets, this approach will be critical to the retention and strategic consolidation of courts across the city. WTCA have indicated that if renewal works are not funded these failing assets will be decommissioned from their register resulting in a reduction in the provision of sport at some locations.

**GOAL.1.3. To ensure that adequate funding is allocated to provide quality hard court playing surfaces**

Strategy 1.3: Provide quality public spaces and opportunities for sport on well-maintained assets that meets the needs of the current and future communities

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
1.3.1 In partnership with the relevant sporting associations, review current provision of hard court playing surfaces and identify priority locations that will be required to be retained.	Work with sporting associations to develop a future rolling works program for surface refurbishment nominating priorities, external funding sources and financial implications	Priority Rolling works Program Developed	2017-2021	operational	Sportsfields	High
1.3.2 Work with the relevant local and state sports associations to explore funding options	Explore state sports association and NSW Government funding	Number of opportunities identified	2017-2021	operational	Sportsfields	High

**1.4 SYNTHETIC SURFACE SPORTS GROUNDS**

The provision of synthetic surfaces has been a popular trend in sport in New South Wales and Victoria. Locally, Illawarra Hockey Inc, manages the Lindsay Mayne Unanderra Hockey facility under a lease agreement with Council and is responsible for generating revenues and State Government grants to assist in the program of synthetic turf replacement every 8-10 years and is a fine example for other sporting associations. The Hockey Association has continued to develop the facility in order to attract indoor and field state, national and international events with Masters Competitions are a key group to continue to attract to the City.

In recent years the trend to have Local Government contribute in the provision of multi-purpose sports synthetic surfaces to accommodate both training and competition needs for the sporting community continues to prove successful in both regional and metropolitan areas and is now see as viable alternative to facilitate the increasing sports demand.

Noting limited new green field locations and the ongoing unmet demand for training and competition venues, sports such as football (soccer) will need to take a strategic approach to synthetic fields at key locations throughout the LGA. The Infrastructure levy applied to players by associations such as Football South Coast to co- fund key all-weather multi-purpose synthetic sports fields will remain a focus of future provision.

Whilst the current cost of construction of a new synthetic football pitch exceeds \$1.8m, it is important that the business model and licence agreements for such infrastructure are rigidly pursued and sustainable to enable future surface replacement to be funded by the sports.

#### GOAL 1.4. Provide a diverse range of sporting surfaces

Strategy 1.4: Support partnering initiatives that provide for synthetic sports surfaces at key locations

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
1.4.1 Work with the Sports Association and State Government to explore funding options for the provision of synthetic surfaces at key locations	Work with the sporting community on identifying funding sources to support the design and construction of a synthetic pitch	Number of opportunities identified and successful applications	2017-2021	operational	Sportsfields	High

### 1.5 TRAINING FACILITIES

With the increased participation in junior sports throughout the City and noting the continued increase in females participation in sports, the current capacity of sportsgrounds for training purposes is severely compromised due to the time and day allocations already assigned to existing user groups.

While lighting grounds will improve capacity it will need to be combined with improved irrigation practices, drainage, topdressing and aeration to assist in managing the playing surface to deal with the increased utilisation. In addition, further consideration must be given to exploring the viability of providing a number of all-weather synthetic facilities to accommodate training requirements.

Peak sporting bodies of AFL and cricket are actively seeking opportunities to build an indoor training venue, potentially at a region complex or a site that was of significant size and location to allow for ease of access across the City.

Associations should encourage clubs which have licenced sports fields to continue to share facilities with other clubs and juniors to maximise utilisation of sports grounds.

Potential occasional use of passive parks may accommodate some of the pressing capacity issues however this access must be carefully balanced to not compromise the passive recreational experience.

#### GOAL 1.5. To increase the availability of sports grounds and public open space for training

Strategy 1.5: Improve capacity of sports grounds by providing supporting infrastructure and policies that promote shared use

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
1.5.1 Explore funding options to support development of a future works program to enhance sports field lighting at targeted training venues	Investigate lighting at key sites to increase training capacity.	Develop rolling works program to meet Australian Standards	2017-2021	operational	Sportsfields	High
1.5.2 Identify parcels of land for potential junior sports training only through reviewing the generic Plans of Management (PoM's) to	Work with Strategic and Land Use Planning Officers in amending generic PoM	Number of sites identified	2017-2021	operational	Sportsfields	High

accommodate use.						
1.5.3 Council to review policies and licencing arrangement to ensure optimal sharing of Council assets	Ensure all licence agreements have clauses related to sharing and sub licencing.	Number of licence produced annually with reference to policy	2017-2021	operational	Sportsfields	High

## 2. Renew and enhance existing sports facility infrastructure with a focus on gender equity, improved accessibility and storage

Council has approximately 169 buildings across its 67 sportsgrounds that are varying in function, design, age and condition. Since their initial construction, the needs and requirements of sports have changed significantly. Due to increased female participation, disability access requirements, referees amenities, safety apparel and training aids, the majority of existing facilities no longer meet the current needs of the end users. To further exacerbate the problem is the provision of quality training space with limited sites that have adequate lights, irrigation and drainage, again another significant investment that isn't considered an asset and needs to be captured in the Capital Plan.

It should be noted that the outcome of the Infrastructure Strategy and Planning (ISP) Division's Building Condition and Functionality Program will assist and provide further direction in relation to building renewals and functional service gaps. In addition, Library and Community Services Division are working closely with a consultancy to produce a Social Infrastructure Planning Framework, combined the two strategic reviews will complement this strategy and guide the future investment of key facilities throughout the Local Government Area.

### 2.1 AMENITIES

The majority of sports amenities (toilets, change rooms, canteens) were constructed pre 1980's and are generally in average condition, but with many not meeting the communities' expectations on contemporary facilities nor the Building Code of Australia standards for accessibility which applies to new facilities.

The increased participation rate of females into sports, such as rugby league, rugby union, football and AFL as well as their role as coaches and referees, has further emphasised the need for contemporary facilities.

In addition most sports, even at community level, now require independent facilities for the referee unfortunately at most venues this cannot be achieved.

### GOAL2.1. Provision of quality amenities that cater for male and female participation in sport

Strategy 2.1: Provide a variety of public amenities for sport that meets contemporary standards and the needs of the current and future participants

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.1.1 Council to continue to work with sporting groups to identify the gaps, collating a response and developing a rolling works program for implementation of suitable amenities to cater for all levels of sport.	Review the ISP Condition and functional audit of all sites to inform priorities	Condition and Functional Audit reviewed	2017-2021	operational	Sportsfields	High
	Develop rolling works program that is based on Hierarchy and Functional needs	Number of projects identified that become funded	2017-2021	Unfunded Capital	Sportsfields	Medium

2.1.2 Ensure gender equitable and accessible facilities are incorporated into all planning components for future renewal of facilities	Ensure that the design of amenities meets current standards with an emphasis on female participation at regional and district level facilities	Number of amenities modified	2017-2021	operational	Sportsfields	High
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## 2.2 STORAGE

Storage has now become a pressing issue that affects the majority of sports and sportsgrounds. The evolution of participant safety apparel and training aids has placed a significant burden on the storage space available at most sportsgrounds. Some sporting groups have addressed the immediate shortcomings with the installation of shipping containers at the some locations, however short term solution is not optimal and not desirable from an aesthetics perspective.

Council has imposes a strict condition on storage containers requiring development consents, with the Property and Recreation Division recommending a 2 year restriction for the use of these storage containers. Additional consideration must be given to destruction of the visual amenity of the sportsgrounds, as there may be up to three containers at selected grounds.

A standard approach to renewal design that accommodates storage shortfalls for sporting equipment is required.

### GOAL 2.2. Provide adequate storage facilities to accommodate sporting needs and maintenance requirements

Strategy 2.2: Review the storage requirements of sports, considering their current and future requirements

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.2.1 Council to work with sporting groups to identify the gaps and develop a rolling works program to alleviate the noncompliance issues and precinct approach to storage at multi shared facilities	Review the ISP Condition and functional audit of all sites to inform priorities	Condition and Functional Audit reviewed	2017-2021	operational	Sportsfields	High
	Design a range of facilities according to the hierarchy and safety of the site	Designs completed	2017-2021	Unfunded Capital	Sportsfields	Medium
	Develop rolling works program that is based on Hierarchy and Functional needs	Number of sites modified	2017-2021	Unfunded Capital	Sportsfields	Medium

## 2.3 SPORTS FIELD LIGHTING

Throughout the City there are varying standards of lighting provision at sportsgrounds. In a number of cases lighting poles and fittings have been installed by the existing users of the site, generally with little input or approval from Council. During 2013/2014 asset condition audits were undertaken on light poles throughout the City and any assets that posed any public risk have been removed.

The majority of the licenced / leased sites have sportsfield lighting to an appropriate standard for training and Council should encourage the licensee to pursue grant funds for any renewal works. However the standard of lighting provision on Council controlled community grounds where the majority of junior sports train is considered to be poor.

Unfortunately there is an inconsistent approach to the provision of lighting at these grounds, which compromises the club's ability to train, particularly in winter, therefore restricting the clubs to train in limited



areas of light and hence compromises the ability for clubs to effectively service the needs of participant's sports and skill development requirements.

Council currently has four sites; Wisemans Park Gwynneville, Guest Park Fairy Meadow, Thomas Dalton Park Fairy Meadow and King George V Oval Port Kembla where Council own and operate sportsground lights. However it is noted that only the lights at Thomas Dalton Park comply with relevant Australian Standards for Sports Field Lighting (50 & 100 lux).

There remains an unmet demand for winter training opportunities, particularly for football (soccer) and growth sports such as OZ Tag and investment in the renewal and enhancement of lighting at Council controlled venues remains an unfunded priority.

Initial investigation for Wisemans Park have indicated that the capital invested required to enhance training opportunities would be in the vicinity of \$180,000, and recent project pricing suggest that Guest Park and King George V Oval upgrades would be approximately \$250,000 to \$350,000.

The provision of lighting towers at community grounds will in turn need to ensure a user pays model where Council directly provides and maintains lighting infrastructure and is obtaining a return to meet operational costs of usage. Research and the trialled investment in LED and new technology lighting infrastructure will be a key feature of Council's ongoing approach to lighting to reduce the likely impact of increases to electricity costs.

### GOAL 2.3. Provision of compliant sportsground lighting to accommodate training

Strategy 2.3: Ensure that the safety of the sports participants are addressed and provide suitable sports ground lighting for training purposes

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.3.1 Council work with sporting associations to develop a sustainable capital renewal and upgrade approach to see existing lights at key sites be in compliance with all relevant Australian Standards (AS 2560 & AS 4282).	Council to undertake an audit on the existing lights at regional and district facilities determining the condition and compliance to relevant AS.	Number of sites inspected annually, report on compliance	2017-2019	operational	Sportsfields	High
	Council develop a 3 year rolling works program to upgrade the sportsground lighting for Guest Park, Wisemans Park and King George the V to comply with Australian Standards	Program established	2017-2021	Unfunded capital	Sportsfields	High
	Source Funding to trial LED / New technologies in sportsfield lighting	Successful Funding Applications	2017-2021	operational	Sportsfields	High

## 2.4 IRRIGATION / DRAINAGE

Council has a funded rolling works program to install irrigation at key sportsgrounds to enhance capacity. This capital investment over the past decade has been an extremely successful initiative which has enhanced training and competition opportunities. Irrigation hardware has been installed at Reed Park Dapto, Thomas Dalton Park and North Dalton Park Fairy Meadow, Hollymount Park Woonona, Thomas Gibson Park Thirroul and Rex Jackson Oval Helensburgh.

A recent review of water and sewage rates have highlighted significant concerns in “dry seasons” with regards to the costs of water usage on Council’s limited operational budget. To enhance the sustainability of irrigation system, storm water re-use and storage initiatives are being pursued.

Moving forward, the rationale for future works will concentrate in continuing to deliver a sustainable model, through storage and investigating alternative water collection techniques at target high utilisation locations.

To date Council has provided limited resources to enhance drainage at its facilities, this is acknowledge as a short coming in our approach and drainage interventions must be pursued at key locations, namely Fred Finch Park that has been plagued with ongoing drainage issues that significantly impact on the local sport as well as the State and National events attracted to this Regional facility

The provision of irrigation at community grounds will in turn need to ensure a user pays model where Council directly provides and maintains the infrastructure and is meeting operational costs of usage.

#### GOAL 2.4. Provide a quality sporting surfaces that see increased utilisation

Strategy 2.4: Ensure that irrigation and drainage infrastructure is provided at targeted regional and district level sportsgrounds to enhance sports field training capacity and competition performance

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.4.1 Support the ongoing allocation of funding and rationale for a rolling works program to supply irrigation and enhanced drainage at high utilisation locations.	Council to continue to explore and incorporate non-potable water options for irrigation.	Number of sites identified that are suitable	2017-2021	Funded	Sportsfields	Medium
	Investigate alternative storm water collection and potentially partnership opportunities with government agencies.	Number of opportunities identified and success rate	2017-2021	unfunded	Sportsfields	Medium
	Develop a rolling works program for sports field drainage	Rolling works program developed	2017-2021	unfunded	Sportsfields	Medium

## 2.5 FENCES/PERIMETER CONTROL

Perimeter control at the majority of sportsgrounds continues to be an area of operational focus with sports fields being at risk of damage from stolen vehicles, motorbikes and unauthorised vehicles gaining access to the playing surfaces and providing risk to participants.

The installation of bollards, post and rail or cable are an effective means of removing risk of damage. Council officers have reviewed the existing sportsgrounds and historical events and developed a priority list to address these issue, however there is limited capital resources to pursue new fencing or perimeter control installations.

#### GOAL 2.5. Provide sports grounds that are at minimum risk of damage from vandalism

Strategy 2.5: Ensure that perimeter control interventions are installed a key locations to protect sports fields.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.5.1 Support the ongoing allocation of funding for new infrastructure such as perimeter control fencing through a rolling works	Council to audit the existing fences, and develop a rolling works program	Number of inspections conducted	2017-2021	operational	Sportsfields	High

program to protect our sportsgrounds.		annually. Rolling works program developed				
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## 2.6 GRANDSTANDS/COVERED SEATING

Grandstands and covered seating infrastructure is provided at a number of regional sports grounds including North Dalton Park Fairy Meadow, Kerryn McCann Athletics Track Beaton Park, Lindsay Mayne Oval Unanderra (hockey) and district facilities at Figtree Park, Rex Jackson Park Helensburgh, Thomas Gibson Park Thirroul, Ian McClelland Oval Kembla Grange.

Football South Coast has expressed a desire to have a second tier facility with covered seating that has the capacity to accommodate 2-3000 spectators to accommodate the Wollongong Wolves and Stingrays competing in their respective state level competitions.

The provision of covered seating should be a key consideration in any staged development of a synthetic football pitch.

### GOAL 2.6. Provide spectator shade/seating at Regional sports facilities

Strategy 2.6: Identify external funding opportunities for shade/seating and support association with grant applications

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
2.6.1 Work with the Sports Associations and State Government to explore funding options for the provision of covered seating to compliment synthetic surfaced sportsgrounds	Work with football community on identifying funding sources to support the design and construction of a covered seating to accompany synthetic pitch	Number of opportunities identified. Number of applications submitted	2019-2021	operational	Sportsfields	High

## 3. Securing Ongoing Funding For Sports Facility Renewal and Enhancement

Council's Sports Facility Planning Process was established in 1998 to assist in the development and support of sport and sporting organisations within the Local Government Area. The adoption of this process has contributed to the implementation of a strategic priority based approach for Council to contribute to the City's sport and sports facility development. Projects submitted through the Sports Planning Process are ranked by the Sports Facilities Reference Group. These rankings assist Council in determining priorities for funding of sports infrastructure projects.

In July 2003 Council adopted to establish a Sports Reserve Fund (\$150,000 per annum) to support the Sports Planning process and requested the reserve be allocated. The purpose of this reserve was to provide local sporting clubs/associations with a level of financial support in funding facility improvements projects that have been assessed ranked and prioritised through Council's Sports Planning Process.

The Sports Reserve Fund was not intended to fund all worthy sports facilities projects. It was accepted that larger projects required significant lead time for proper planning and design and such projects would be considered for funding where appropriate via the annual capital planning process.

On 19 February 2007 Council resolved to allocate the income derived from entering into a deed for the installation of a telecommunication facilities throughout the LGA to be distributed to the Sports Reserve Fund, taking the annual allocation into the Reserve to approximately \$250,000 (\$150,000 Council Capital and \$100k telecommunication income [indexed at 4%]).

Whilst at a NSW State Government Level grant funding opportunities continue to be limited to one or two sources with Local State Members of Parliament continuing to be supportive of grass roots sports and their challenges.

**GOAL 3.1. Council's sports reserve is retained and enables sports planning priority projects to be constructed**

Strategy 3.1: Ensure that the financial contributions from the Sports Reserve continue to match the CPI and remain relevant to develop facilities.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
3.1.1 Council to ensure that the current allocation to the sports reserve is not diminished by declining allocations or income investment from the telecommunications reserve and is indexed with the CPI to keep funding relevant to today's economy	Ensure that the sports planning process is continued on an annual basis	Number of applications received annually.  Number of projects completed annually	2017-2021	operational	Sportsfields	High

**4. Develop and Implement Policies that Ensure Compliance and Safe Participation**

There are two policies that directly impact on Sportsgrounds and Sports Facilities, the Smoke Free Recreation Areas Policy and the Shared Sportsground Policy. Whilst these policies are self-regulating it is critical to ensure that sporting bodies continue to comply with requirements and that Policies remain relevant and change to legislative requirements.

**GOAL 4.1. Ensure compliance to all relevant Policies**

Strategy4.1: Embed all policies within licence agreements and remain compliant to all relevant legislation.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
4.1.1 Review and amend policies ensure compliance to relevant legislation requirements, Council governance and operational requirements	Review policies as required in accordance with Council's Policy register	Complete reviews in accordance to the register	2017-2021	operational	Sportsfields	High
	Embed Policy Requirements into all licences	Number of licences with policy embedded			Sportsfields	
	Continue to work with Sports and assist Associations to educate Clubs on Policy	Number of requests received and support			Sportsfields	

	requirements	provided				
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## 5. Pursue Accountability in Licence Agreements / Lease Agreements

Council's licence and lease arrangements have recently been reviewed and are now accompanied with Building Condition assessment reports which informs both Council and the licensee/lessee of their maintenance obligations and an agreed timeframe to complete any works required. Embedded in all new agreements will also be policies that directly relate to sportsgrounds. Review of these agreements has provided greater clarity of roles and responsibilities of each party and ensures consistency across all lease arrangements.

**GOAL 5.1: Council's licence and lease agreements provide clear direction on maintenance responsibilities and Council's Policy requirements**

Strategy 5.1: Ensure all new licences and leases have clearly defined maintenance responsibilities.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
5.1.1 Establish leases and licenses that have a defined and consistent approach for asset maintenance responsibilities.	Ensure all lease and licence renewals are accompanied by condition assessments.	Number of licences reviewed annually	2017-2021	operational	Sportsfields	High

## 6. Explore Joint Venture Partnerships

It should be noted that throughout Victoria a number of ventures and in particular, with Local Council, AFL and other providers have evolved to develop unique facilities for both the sporting and broader communities.

Partnership opportunities should be explored beyond the historic arrangements between sporting associations and Council, these should include both Government and private sector funding opportunities and be in strict compliance with all legislative and governance requirements.

**GOAL 6.1: External Partners contribute to Sports Facility Development**

Strategy 6.1: Ensure any opportunities for potential partnerships in funding Sports infrastructure improvements are fully explored in line with Legislative requirements

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
6.1.1 Review and consider private public partnership ventures to assist in the development of sporting infrastructure in accordance relevant legislation requirements.	Assist clubs in providing guidance on Local Government Legislative and Governance requirements of any joint venture proposals	Provide relevant information as and when required	2017-2021	operational	Sportsfields	High

## 7. Invest in infrastructure to support and accommodate emerging sports and independent recreation pursuits

Whilst a number of the traditional sports are static in their participation rates, there is now increasing pressure on Council to accommodate other, self-organised sports activities such as Mountain Biking, Skate Boarding, Bump / BMX that are experiencing varying stages of growth. Below are some of the key areas that will remain a key focus of support from Council.

### 7.1 MOUNTAIN BIKE RIDING

Throughout the review and as part of the community consultation with the bike plan there was an underlying theme that there is a need to create a Mountain Bike Park with the LGA. Council Officers have been working with the local Mountain Bike Club to identify sites and determine the suitability of the areas for the nominated activities.

Mount Keira Summit Mountain Bike track remains an opportunity to meet needs of local enthusiasts but also hold some potential for attracting major events and associated tourists. The need to ensure that key stakeholders such as National Parks and Wildlife are aligned to the concept of controlled conservation management in sensitive areas will remain a focus.

**GOAL 7.1: Mount Keira Summit is supported by all tiers of Government as the City's future regional Mountain Biking venue:**

Strategy 7.1: Council collaborate with Destination Wollongong and National Parks and Wildlife to pursue partnerships and approvals to enable Mountain Biking accessing escarpment areas.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
7.1.1 Collaborate with Key stakeholders to secure approvals for Mountain Bike activities at Mt Keira.	Collaborate with Destination Wollongong and Mountain Bike Association in pursuing Government approvals.	Provide support and contribute to any delegation to land owners encouraging Mountain Biking activities	2017-2021	operational	Sportsfields	High

### 7.2 SKATE BOARD / BMX / SCOOTER FACILITIES

Council has provided a district/ precinct based approach to skate facility provision. In 2004 Council adopted the priority program for the future provision of skate parks throughout the City. The precinct priorities at that time were as follows (1) Helensburgh, (2) Southern Suburbs, (3) Wollongong and (4) Northern Suburbs. This precinct approach saw Council install new Skate Facilities at Helensburgh in 2008 and Berkeley in 2015 and a major refurbishment of Fairy Meadow and Unanderra facilities in 2016. The future renewal of the Dapto Skate Park currently located at Diamond Brothers Reserve will need to be prioritised in subsequent Capital renewal plans.

In July 2015 a subsequent strategic review of methodology used for the remaining two new facility priorities, Wollongong and the Northern Suburbs was undertaken utilising the latest ABS data to confirm the potential number of skate park users within a 2.5, 10 and 20km radius of the existing skate parks as well as the potential future locations of Wollongong and Thirroul.

The report (see attachment 2) clearly indicated that in the categories of children and adults, a skate park constructed in the Wollongong area would have significantly more potential users than a facility constructed in Thirroul (Northern Suburbs), whilst it is acknowledged that the skating community of the northern suburbs remain dependent on informal skate boarding opportunities, Wollongong should remain strategically as the next key facility to be developed.

It is envisaged that a skate park in the Wollongong area would be of a regional standard and, as such, would in today's estimates require approximately \$1.5m. Future planning also needs to be programmed for a skate park in the northern suburbs, which would be of a district level facility, attracting similar budget allocations as Berkeley, approximately \$900,000.

Whilst it is acknowledged skate parks have been provided at a District/ Precinct level it is noted that each of the facilities have been designed with input from skaters to incorporate different elements and skill requirements to reflect opportunities and challenges for all levels of skating.

The continuation of these new facilities is critical to provide alternatives for the non-traditional sports community that are engaging in skating and its unique physical and recreational demands and hence these new facilities need to be priorities for development over the life of the strategy.

**GOAL 7.2 : To have a diverse range of skate facilities throughout the City.**

Strategy 7.2: Ensure that the planning of skating facilities incorporates best practice principles in determining priorities and sites.

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
7.2.1 Refine a draft rolling works program for skate facility provision throughout the LGA.	Identify funding sources for the development of skate parks at Wollongong 2018/19 and northern suburbs 2020/21.	Funding sources identified	2017-2021	Capital	Sportsfields	High

**7.3 OUTDOOR EXERCISE EQUIPMENT**

In recent years Council has installed outdoor fitness equipment at various locations throughout the LGA and these installations have been well received by residents in enhancing their health and well-being.

Further provision of outdoor fitness equipment at district level parks will provide opportunities for the broader community to actively pursue healthy lifestyles and physical activity as supported by the Federal Governments, Play, Sport, Australia and the NSW Government, Healthy Eating and Active Living Strategy.

**GOAL 7.3: To have a diverse range of precinct based Outdoor Fitness Equipment stations throughout the city.**

Strategy 7.3: Ensure the community has the ability to participate in affordable exercise opportunities

4 Year Action	Action	Performance Measure/s	Timeframe	Resourcing	Delivery Stream	Strategic Priority
7.3.1 Refine a draft rolling works program for Outdoor Fitness facility provision throughout the LGA.	Identify funding sources for the provision of two (2) outdoor fitness equipment installations annually for the next 5 years.	Number of installations achieved annually	2017-2021	Unfunded	Sportsfields	High



## 8. Risk Analysis

STEP 1	STEP 2	STEP 3			STEP 4	STEP 5	STEP 6			STEP 7	STEP 8
NATURE OF RISK People Property Environment Reputation	IDENTIFIED RISKS What can go wrong?	EVALUATED RISKS			PRIORITY of Risks	TREATMENT Who/ What/ When/ Where/ How	EVALUATED RISKS – RESIDUAL			TREATMENTS TO BE IMPLEMENTED  (Yes or No)	TREATMENT COMPLETED?  (ü)
		S	L	Level of Risk			S	L	Level of Risk		
Reputation/People	Plan is not implemented and engaged community stakeholders lose trust in Council	3	C	M9	H	Increase accountability and transparency through annual monitoring – to be made available to the public	3	C	M9	Yes	
Reputation/People/ Environment/Property	Actions are implemented but not linked with strategic intent of Plan	3	C	M9	H	Establish Plan Coordination Group to coordinate delivery of actions aligned with strategic intent	3	C	M9	Yes	
Property/ Reputation	Costs to implement Plan make it unfeasible	4	D	M8	H	All actions to include capital cost estimates - see Implementation Plan Table	3	D	M6	Yes	
Environment/ People/Property/ Reputation	Actions cause harm to the environment, property or people	4	C	H12	H	Completion of actions to follow all relevant legislative and approval processes and risk assessments	4	D	M8	Yes	

## PART 3 – Additional Information

### 9. Reporting

This Strategy and its key focus areas, goals and strategies will be reported on an annual basis in consultation with the Sports and Facilities Reference Group.

The 4 year actions outlined in the report are to be prioritised and will inform Council's Delivery program and its annual deliverables and future capital planning priorities.

### 10. Review Frequency and Document End Date

This Strategy and its key focus areas, goals and strategies will be reviewed on an annual basis in consultation with the Sports and Facilities Reference Group.

The Sportsground and Sporting Facilities Strategy will be reviewed in consultation with sports during 2020/2021, prior to its nominated expiry date of June 2021.

### 11. Contact Information

For further information on the Sportsground and Sporting Facilities Strategy 2017-2021 please contact

Steve Maidment, Recreation & Open Space Project Officer on (02) 4227 7220

Mark Bond, Recreation Services Manager on (02) 4227 7230

### 12. Other Supporting/Additional Information including attachments

- People Planning Places
- Sportsground & Sporting Facilities Strategy 2007-2017
- PLAY. SPORT. AUSTRALIA
- Game Plan 2012
- Wollongong 2022
- Review and development Skate park across the LGA methodology Z15/266023
- Sportsground and Sporting Facilities Implementation Plan ( currently under development)

2008-2017 SPORTS GROUNDS AND SPORTING FACILITIES STRATEGY RECOMMENDATIONS		
AREA	RECOMMENDATION	PROGRESS
Land allocation and Use	A masterplan for Dalton Park, Fred Finch Park, Rex Jackson, Guest Park, Reed Park, Thomas Gibson Park, Figtree Oval, Wentworth/Mulligan Park	
	All future developments and grant approvals are to be consistent with the master plans	
	Consideration should be given to re-categorise and/or reclassify Clowes Parks in the short term and St James Park in the longer term, once other northern venues have been fully developed	Not being progressed due to increased utilisation
State of Amenities	An audit of existing amenities [toilets, change rooms, canteens] should be conducted by council to assess their standard and to develop a priority list for capital work program of renewal	IS&P Condition and Functionality report
	An amenity units design is commissioned and gradually installed at sites where amenities are of unacceptable standards. One design should be for community level facilities [toilet and some undercover shade area] and one for District level facilities [toilets, change rooms, canteen, storage and shade area]	Progressed to be considered in all project briefs
Sports Organisations	Council to adopt a policy that requires one organisation/association for each sport to represent all of the parties involved in that sport across the City	Implemented
	All grant applications to be endorsed and prioritised by that one organisation	Through SFRG
	Council to seek assistance from NSW department of Sport and Recreation to assist and work with each sport to achieve improved governance and greater unity between all parties. This may involve amalgamations of the establishment of peak bodies to represent all existing parties	Participating in SFRG
Lighting	Council to develop a lighting policy that identifies consistent co-contributions by council and sport to install lighting on a priority basis at Regional, District, community and Leased sites	

2008-2017 SPORTS GROUNDS AND SPORTING FACILITIES STRATEGY RECOMMENDATIONS		
AREA	RECOMMENDATION	PROGRESS
Turf/Track Management	Council to consider its policy position on funding contributions to turf/track instalment and replacements so sports can plan and budget with some certainty to maintain a standard of facilities	Renewal Program established on Council and Licenced facilities
	Sports to prepare business cases, including their capacity to contribute, for funding applications to Council or NSW DSR	Ongoing
	Council to establish and set aside a reserve for asset replacements to support co-funded applications	Infrastructure Renewal Programs and Asset Plans established
	Asset life cycle costs to be incorporated into lease agreements	Implemented
Turf Management	Council to consider its current level of servicing and staffing to identify a preferred option for turf management and commence discussions and negotiations with Illawarra Cricket Association	Turf wicket Review completed 2012
	On the basis of any agreed changes, a transition period and timeframe is to be negotiated with current Council staff and the Illawarra Cricket Association over the life of this plan	Completed
	Council to consider a transfer of existing turf management equipment if greater responsibility is to be transferred to Illawarra Cricket Association	Completed
	Any identified savings to be funnelled in full or part to sports grounds improvements	Considered and not adopted
Lease Arrangements	Council review all lease arrangements to ensure greater consistency and clarity of roles for Council and lease holder. This may result in negotiating or dissolving some existing leases	Completed
	Council to monitor and review lease arrangements annually and to clarify the roles of Property and Environment and Recreation in administering and managing the leases.	Recreation ow part of Property and Recreation Division
	Any improvements or upgrades to lease agreements should be submitted to and approved by council	Considered under delegated authorities
	Council's Shared Policy is amended for leased football facilities to encourage greater use [possibly on a financial basis] by other football users	Completed

2008-2017 SPORTS GROUNDS AND SPORTING FACILITIES STRATEGY RECOMMENDATIONS		
AREA	RECOMMENDATION	PROGRESS
Irrigation	Irrigation infrastructure to be implemented at all Regional and District level facilities over the next ten years	Program established
	Council to continue to explore and incorporate non-potable water options for irrigation as part of the sport precinct master planning stage	Implemented at key sites
Council Funding	Council to develop a funding policy to encourage greater contributions to facility projects by sports. A dollar for dollar option would be the recommended approach	To be developed
	Council to investigate and negotiate with the licensed club sector, the potential for partnerships at selected sports precincts	Ongoing
	Council to increase its hire and leasing charges substantially and then indexed at CPI for all future years	Increases linked to CPI
	Increased revenues from hire and leasing should be used to fund sportsground improvements	Not pursued
	Council to determine its funding priorities in line with the sports implementation plan	Implemented

# CHARTER

## SPORTS AND FACILITIES REFERENCE GROUP



CHARTER adopted by Council on 10 September 2012

### 1 INTRODUCTION

The Sports and Facilities Reference Group has been established to provide advice to Council on policies and strategies which relate to the implementation of the Sportsground and Sporting Facilities Strategy. The focus of the Reference Group is to assist Council in working towards the identification of priorities for sport and sporting infrastructure. The Reference Group comprises people interested in furthering these aims.

### 2 AUTHORITY

The Sports and Facilities Reference Group will provide advice, feedback and support to Council in developing, implementing and monitoring policies and strategies which relate to the implementation of the Sportsground and Sporting Facilities Strategy.

The Reference Group does not have decision making authority, the power to bind the Council, nor the power to incur expenditure.

### 3 RESPONSIBILITIES AND FUNCTIONS

The responsibilities and functions of the Sports and Facilities Reference Group are to -

- à Review and monitor Council's Sportsground and Sporting Facilities Strategy;
- à Develop, review and monitor the Sportsground and Sporting Facilities Strategy which assists Council in the identification of priorities for sport and sporting infrastructure;
- à Consider the cumulative effects of Council's decisions on identification of priorities for sport and sporting infrastructure; and
- à Provide advice to Council on strategic projects and Council policies related to, or that may impact on the implementation of the Sportsground and Sporting Facilities Strategy.

### 4 PRIORITIES

The immediate priority of the Sports and Facilities Reference Group is to:

- à Provide advice to Council on priority facilities' needs;
- à Contribute to the master planning process of Regional and District level facilities;
- à Assist prioritise individual sports needs for funding purposes;
- à Provide advice and assist prioritise funding applications;
- à Assist in the implementation of the Sportsgrounds and Sporting Facilities Strategy 2008-2017; and
- à Identify opportunities for the City to attract and secure major sporting events.

Other priorities will be determined by the Reference Group from time to time.

### 5 COMPOSITION OF THE REFERENCE GROUP

The Sports and Facilities Reference Group is to be made up of:

- à Three (3) Councillors
- à The Cluster Coordinator from Communities NSW or nominated local representative;
- à One (1) representative of Illawarra Academy of Sport;

à Maximum of twelve (12) members targeting major sporting associations that utilise Council sporting facilities and grounds from each of the following sporting associations:

- Ø AFL;
- Ø Athletics;
- Ø Baseball;
- Ø Basketball;
- Ø Cricket;
- Ø Football;
- Ø Hockey;
- Ø Netball;
- Ø Rugby League;
- Ø Rugby;
- Ø Tennis; and
- Ø Touch.

Non-Voting Members to include:

- à Manager Property and Recreation;
- à Recreation Services Manager;
- à Recreation and Open Space Project Officer; and
- à Sportsground Coordinator.

The Chairperson will be appointed by Council from the Councillor representatives.

Vacancies that occur on the Reference Group will be filled by public advertisement and selection by Council.

Council's Manager Property and Recreation will attend Reference Group meetings as an ex-officio member and will provide professional advice to the Reference Group. Other Council staff, Government officers, advisors or individuals may be invited to attend meetings from time to time to provide expert advice, information or presentations in relation to the Reference Group's business. These individuals will act as ex-officio members.

Representation to the Reference Group will be sought through direct correspondence being forwarded to sporting Associations.

## 6 TERM OF APPOINTMENT

Term of appointment is to be for the term of the 2011-2016 Council.

## 7 OBLIGATIONS OF MEMBERS

Members of the Reference Group, in performing their duties, shall:

- à Act honestly and in good faith;
- à Participate in the work of the Reference Group;
- à Perform their duties in a manner that ensures public trust in the integrity, objectivity, and impartiality of the Reference Group;
- à Exercise the care, diligence and skill that would be expected of a reasonable person;
- à Comply with the Reference Group's Charter; and
- à Comply with Council's Code of Conduct.



### 8 MEETINGS

Meetings will be held bi-monthly, except where no business has been identified.

A quorum will consist of ten (10) Reference Group members.

Meetings will be chaired by the Council appointed chairperson. If the chairperson is absent from a meeting, the first business of every such meeting is to elect a chairperson from the members present to preside over such meeting.

The Reference Group has an advisory role to Council and will make recommendations by consensus. In the absence of consensus, advice from the Reference Group may be presented with supporting and dissenting views of Reference Group members.

Meeting agendas will be distributed at least one week prior to the meeting.

### 9 REPORTING

The minutes of meetings will be provided to Councillors and Council's Executive Management for information. Minutes will also be distributed to all members.

Advice and decisions of the Reference Group relating to specific Council projects will be reported to Council as part of the project reporting process.

Any matters arising that require a separate decision of Council may be reported to Council at the discretion of the Manager Property and Recreation.

### 10 EVALUATION AND REVIEW

A review of the Reference Group will be undertaken every 12 months to ensure the purpose, membership and operation of the Reference Group is effective and to make appropriate changes.

# REVIEW AND DEVELOP SKATE PARK METHODOLOGY USED TO RANK SKATEPARK DEVELOPMENT ACROSS THE LGA

## CONTENTS

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- 1.0 Introduction
- 2.0 Review of Council's General Business item 14 *Skate Facility Strategic Review and Proposal* (22 November 2004)
  - 2.1 Findings of Review
- 3.0 Proposed New Skate Park Ranking Methodology
- 4.0 Skate Parks Assessed Against Populations and Public Transport Access
  - 4.1 Skate Parks Assessed Against Potential Children and Adult Users
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- 5.0 Conclusions of Review

Attachment 1.0 – Existing and Proposed Park Location Details

Attachment 2.0 – Aerial View Maps Showing 2.5km, 10km for District Parks and 20km Radial Study Areas for Regional Parks

July 2015

## Terms of Review:

- Review ranking of skate park proposals outlined in Council's General Business item 14 *Skate Facility Strategic Review and Proposal* (22 November 2004);
- Propose and apply a new methodology to rank Council's 5 existing skate parks and two future parks considered in the Wollongong CBD or/and Thirroul, based on the number of potential users residing within a 2.5, 10 and 20 km radius of the park for the years 2015, 2020 and 2025.
- Score and rate the provision of public transport to each skate park location.
- Provide an overview of the above findings.

## 1.0 Introduction

This report provides an analysis of the number of potential children and adult skate park users residing around Council's 5 existing skate parks and two considered locations. The location and status of existing and proposed skate parks are identified in Attachment 1.0.

The analysis firstly reviews Council past approach to assessing and prioritising skate park development. Secondly the review presents an improved evidence based methodology, using the most recent ABS data to estimate the potential number of children and adult skate park users residing within a 2.5, 10km radius of district parks, and 20km radius area of regional skate parks.

The assessment calculates user numbers in 2015 using Council's .id forecast demographic tool - *Population and Household forecasts 2011 to 2036*. This tool is also applied to calculating projected potential user numbers at the considered sites in Thirroul and Wollongong CBD for the years 2020 and 2025.

Public transport provision to skate park sites is also assessed, scored and rated, which is based on distance a bus stop or train station is located to each skate park.

Finally several general observations are presented summarising the main findings of this work.

## 2.0 Review of Council's General Business item 14 *Skate Facility Strategic Review and Proposal* (22 November 2004)

### 2.1 Findings of Review

In 2002 Council completed user surveys at the Fairy Meadow, Unanderra and West Dapto skate parks sourcing data to support future prioritising of skate parks considered at the following three precincts:

- Port Kembla / Warrawong / Berkeley;
- Thirroul / Bulli / Woonona; and
- Wollongong

Results from the user survey showed:

- 96% of skaters were males
- 80% of skaters used some form of public transport to access the facility such as bus, train or cycleway.

Based on ABS census data (2001), it was calculated potentially 5000 male skateboarders aged 0 to 24 resided within a 2.5km radius of each precinct. The 2.5km radius centre point was taken at the centre of each precinct. This assessment approach ranked the three precincts as follows:

Ranking	Precinct	Potential Total Male Skateboard Population
1	Port Kembla / Warrawong / Berkeley	9034
2	Thirroul / Bulli / Woonona	8147
3	Wollongong	14646

In summary the above approach used to rank the precincts was primarily based on:

1. the number of potential male skateboarders aged 0 to 24 within a 2.5km radius; and
2. the lack of *access to existing skate facilities via public transport*.

Reviewing information in Council's General Business item 14 (Nov 2004), insufficient information in the paper makes understanding how the precincts were ranked incomplete or potentially flawed:

- It is unclear how/why the male population of 5000 aged 0-24 years became the benchmark figure within a 2.5km radius. ABS Census data (2013) for NSW shows 47% of females aged 5 to 14 also skateboard, scooter or rollerblade. The benchmark figure is considered incomplete and should include the female participation.
- The 5000 benchmark figure includes males aged 0 to 24. Males aged 0 to 4 would most likely not skateboard, scoot or rollerblade undermining the veracity of this benchmark figure.
- The survey found 80% of those surveyed used some form of public transport to access the park, including the use of a cycleway. Accessing skate parks via cycleways is not considered as using public transport. Inclusion of a cycleway as public transport undermines the validity of this figure.
- It is unclear why the Wollongong precinct, with the highest number of potential users of 14646 is ranked as 3. In this regards, the Wollongong precinct should be ranked 1. above the other two precincts with lower potential user numbers.
- The Port Kembla / Warrawong / Berkeley precinct was given the highest ranking because of 'lack of access to existing skate facilities via public transport'. 'Lack of access' would achieve a lower score and ranking – the opposite to support this ranking.
- The three precincts have been prioritised based on *group suburbs of close proximity*. It is unclear how this calculation was applied to the ranking of precincts.

### 3.0 Proposed New Skate Park Ranking Methodology

A new methodology is proposed using the latest ABS data available to calculate the potential number of skate park users (male and female) within a 2.5, 10 and 20 km radius areas of the 5 existing skate parks and parks considered at Thirroul and the Wollongong CBD. The potential user numbers have been calculated using the following parameters:

- The number of children aged 5 to 14 and adults aged 15 to 85 in the year 2015, 2020 and 2025 residing within the radial study areas of 2.5, 10 or 20km will be sourced from Council's .id forecast demographic tool - *Population and Household forecasts 2011 to 2036*. Population living in the 'Rural Balance' area has been excluded because identifying the location of these residents cannot be accurately verified.
- ABS Census data 2013 category 4901 *Children's Participation in Cultural and Leisure Activities, Australia, 2012 – New South Wales* shows the percent of children (male 57.3 and female 47) aged 5 to 14 who skateboard, rollerblade or ride a scooter in NSW. The male and female children percentages have been combined and averaged to make 52%. This percent is applied to the total number of children found to be living within each study area.
- The total male and female population aged 15 and over who skateboard, roller blade or play inline hockey (roller hockey) in Australia is approximately .3% (ABS Census 2015 data category 4177 *Participation in Sport and Physical Recreation, Australia, 2013-14*). This percent is applied to the total number of adult persons living within each study area.
- If a radius area transects a suburb, a percentage figure of children and adults within the radius has been estimated.
- Applying the above parameters, an assessment compares the potential number of children and adult users residing within the radius study areas of the 5 existing parks and considered park locations.
- Public transport access to each skate park (existing and considered) are assessed, scored and ranked based on the distance skate parks are from the nearest bus stop or train station.

## 4.0 Skate Parks Assessed Against Populations and Public Transport Access

### 4.1 Skate Parks Assessed Against Potential Children and Adult Users

Applying the above parameters to assess the potential number of users each park may attract, Tables 1.0, 2.0 and 3.0 show the results of this assessment. To support these numbers, Attachment 2.0 show a series of maps of the suburban areas covered by 2.5km, 10km for district parks and 20km radius areas for regional skate parks.

Table 1.0 Potential Number of Skateboarders, Roller-Bladers, Scooter Riders and Inline Hockey Players (2015) for Existing Skate Parks:

Skate Park	Total Number of Children (Male and Female) aged 5 to 14 who may potentially skateboard, scooter or rollerblade <sup>1</sup> .			Total Number of Male and Females aged 15 and over who may potentially skateboard, rollerblade and play inline hockey <sup>2</sup> .			
	Km Radius	2.5	10	20	2.5	10	20
Fairy Meadow Skate Park <sup>3</sup> .		1784	8975	-	829	3720	-
West Dapto Skate Park <sup>3, 4</sup> .		1648	6136	-	545	1936	-
Unanderra Skate Park <sup>3</sup> .		1446	9194	-	501	3770	-
Helensburgh Skate Park <sup>4, 5</sup> .		494	768	2897	151	232	947
Holborn Park Skate Plaza <sup>4, 5</sup> (Berkeley)		832	7159	11,155	322	2943	4465

Table 2.0 Total Number of Potential Children Skateboarders, Rollerbladers and Scooter Riders in 2015, 2020 and 2025 for Possible Sites in Thirroul and Wollongong CBD:

Total Number of Children (Male and Female) aged 5 to 14 who may potentially skateboard, scooter or rollerblade <sup>1</sup> .										
Km Radius	2.5			10			20			
	Yr.	2015	2020	2025	2015	2020	2025	2015	2020	2025
Thirroul Skate Park <sup>4</sup> (south end Thirroul Beach Reserve)		1043	1,085	1,094	4591	4671	4676	10453	10697	10949
Wollongong Skate Park <sup>4</sup> – north end of McCabe Park		1473 (+41%)	1,594 (+47%)	1,881 (+71%)	10,490 (+120%)	10833 (+131%)	11190 (+140%)	12,164 (+16%)	12593 (+17%)	12991 (+18%)

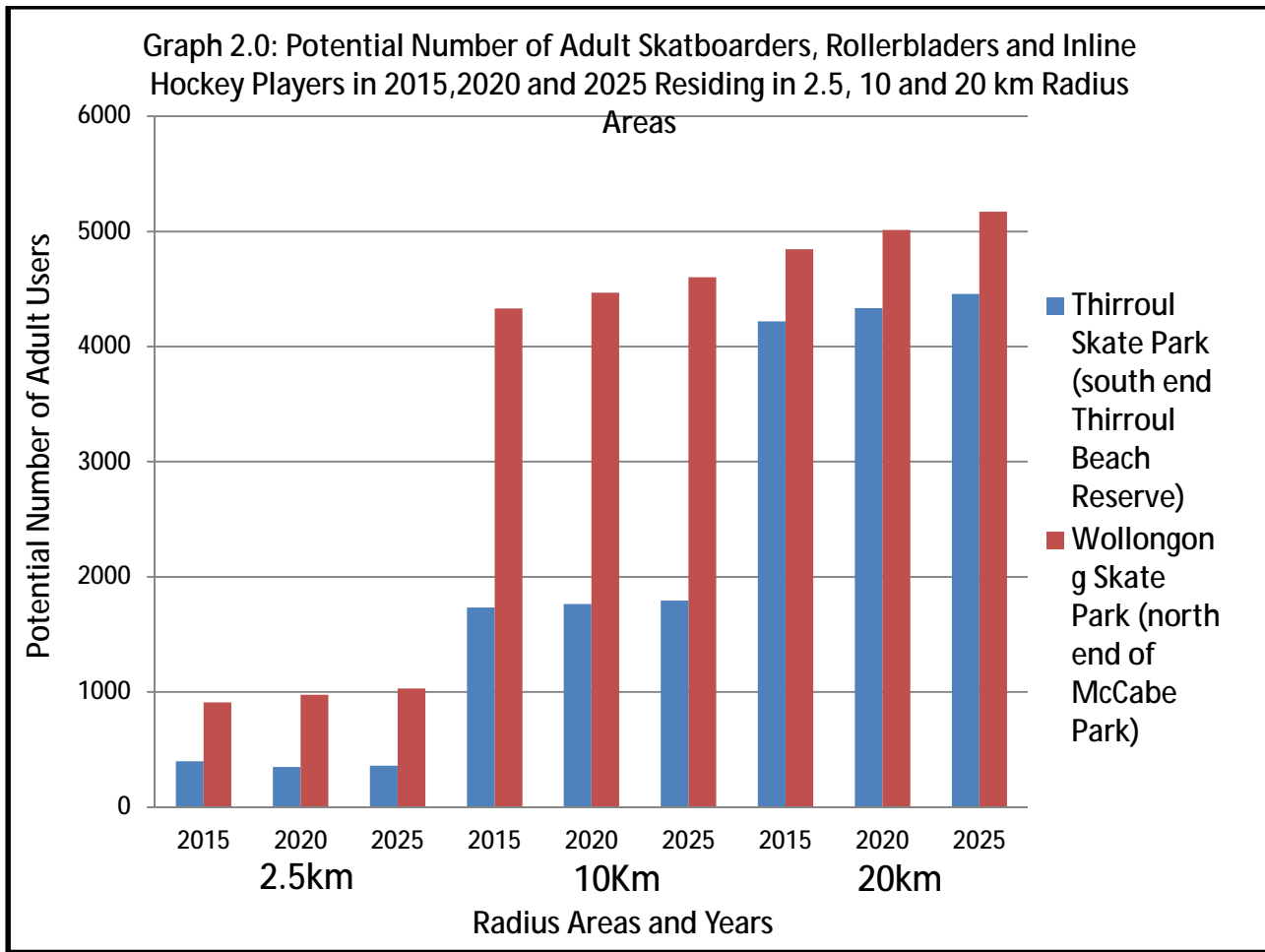
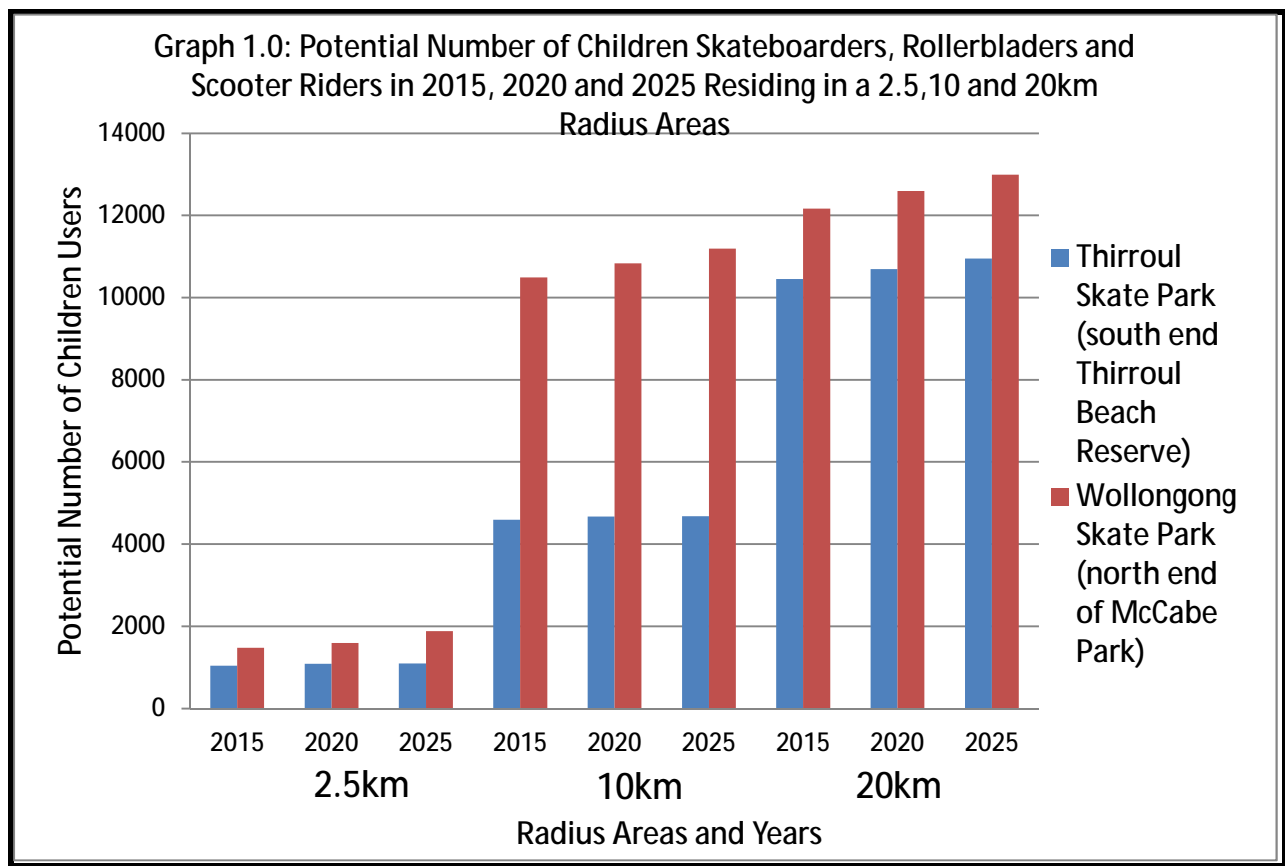
Table 3.0 Total of Number of Potential Adult Skateboarders, RollerBladers and Inline Hockey Players in 2015, 2020 and 2025 for Possible Sites in Thirroul and Wollongong CBD:

Total Number of Male and Females aged 15 and over who may potentially skateboard, rollerblade and play inline hockey <sup>2</sup> .									
Km Radius	2.5			10			20		
Yr.	2015	2020	2025	2015	2020	2025	2015	2020	2025
Thirroul Skate Park <sup>4</sup> (south end Thirroul Beach Reserve)	397	350	360	1733	1763	1795	4218	4333	4457
Wollongong Skate Park <sup>4</sup> – north end of McCabe Park	911 (+129%)	977 (+180%)	1,030 (+186%)	4332 (+149%)	4467 (+153%)	4601 (+156%)	4845 (+14%)	5014 (+15%)	5172 (+16%)

1. An average figure of 52% (ABS 2013) is applied to children (male and female) across NSW to calculate the final potential number of users. Although it records children who skateboard, it also includes children who rollerblade and ride a scooter. The actual potential number of skateboarder alone is therefore not known. These numbers should be treated as estimates only.
2. A figure of .3% (ABS 2015) accounts for the total Australian population aged 15 + which is applied to the final potential user number. Although it records persons who skateboard, it also includes persons who rollerblade and play inline hockey. The actual potential number of skateboarder is therefore not known. These numbers should be treated as estimates only.
3. These parks are classified as district and only have 2.5 and 10km radius catchments applied.
4. The Holborn and Helensburgh sites, and considered parks for Thirroul and Wollongong CBD are / will be classified as regional, and have a 20km radius applied.
5. The 10km and 20km radius areas around the West Dapto, Holborn and Helensburgh Skate Parks cover densely populated suburban areas within adjoining LGAs namely Shellharbour, Campbelltown and Sutherland. The potential user numbers from these other LGAs have not been included and therefore, maybe potentially higher.



To support the information presented above in tables 2 and 3, potential user data growth trends over the 2015, 2020 and 2025 periods are illustrated for the Thirroul and Wollongong sites in Graphs 1.0 and 2.0 below.



## 4.2 Findings - Potential User Numbers

### Existing Parks

#### Children (5 to 14)

- The highest number of potential skate park users residing within the 2.5km radius was found to be at the Fairy Meadow site with 1784.
- Within the 10km radius study area, the highest number of potential skate park users were at the Unanderra (9194), followed by Fairy Meadows (8975) and Holborn (7159) sites.
- Comparing all five sites and three radius areas, the Helensburgh Skate Park had the lowest potential number of users.
- At the regional park level within the 20km study radius, the Holborn Park has potentially 350% more users or 11,155 compared to the Helensburgh Park of 2897 potential users.

#### Adults (15 and over)

- The Fairy Meadow Skate Park has a significantly higher number of potential users of 829 residing within a 2.5km radius area compared to the other skate parks - West Dapto (545), Unanderra (501), Holborn (322) and Helensburgh (151).
- Within the 10km radius, the Unanderra Park has the highest potential number of users with 3770 followed closely by Fairy Meadows (3729), Holborn (2943) and West Dapto (1936). The Helensburgh site had a significantly lower potential user number of 232.
- Out of the two regional skate parks within the 20 km radius, there are 4465 potential users (or 371% more) at the Holborn Park compared to the Helensburgh Park of 947.

### Proposed Parks

#### Children (5 to 14)

- The Wollongong location would have 41% (or 1473) more potential users compared to the Thirroul location of 1043 within a 2,5km radius.
- The Wollongong site would potentially have 5899 or 120% more users residing within a 10km radius compared to the Thirroul site of 4591.
- A potential user number of 12,164 would reside within a 20km radius of the Wollongong site, compared to a potential user number of 10,453 for the Thirroul location – a difference of 16%.
- Potential children user numbers from 2015 to 2025 show minimal growth within the 2.5 and 10km radius areas of the Thirroul site.
- The Wollongong site will have gradual growth of potential children users across all three radius areas over the 2015 to 2025 period.

#### Adults (15 and over)

- The adult age group showed the potential user numbers living within the 2.5km, 10km and 20km radius areas where respectively 129%, 149% and 14% more at the Wollongong site, compared to the Thirroul site.
- Forecast potential adult numbers from 2015 to 2025 show the Wollongong site will have higher growth numbers compared to the Thirroul site over the same period across all study areas.

### 4.3 Skate Parks Access to Public Transport Assessment

All skate parks (existing and considered) access to public transport (a train station or bus stop) have been assessed and rated. The distance a bus stop and train station is to the skate park is assessed against the distance criteria shown in Table 4.0 Public Transport Distance Criteria.

Table 4.0 Public Transport Distance Criteria

Distance of Service to Skate Park	Public Transport Rating
<400m	2
>400 - <800m	1
>800m	0

The public transport rating scores are shown in Table 5.0 Skate Park Access to Public Transport Assessment below. The ratings have been tallied to make a Total Number Score, which have then been assessed in Table 6.0 Overall Public Transport Rating Scores. The total number score is cross tabulated against an overall score rating, showing whether access to public transport is *very poor*, *poor*, *average*, *good* or *very good*.

The Overall Score Rating is shown in the right hand column of Table 5.0.

Table 5.0 Skate Park Access to Public Transport Assessment

Location	Bus Stop	Train Station	Total Number Score	Overall Score Rating
<b>Existing Parks</b>				
Fairy Meadow Skate Park	2	1	3	Good
West Dapto Skate Park	2	1	3	Good
Unanderra Skate Park	2	1	3	Good
Helensburgh Skate Park	2*	0	2	Average
Holborn Park Skate Plaza	2	0	2	Average
<b>Proposed Park Locations</b>				
Thirroul Skate Park	1	1	2	Average
Wollongong Skate Park	2	2	4	Very Good

\* This score reflects no direct bus service from Wollongong CBD to the Helensburgh Town Centre but rather, a bus service from Stanwell Park to the Town Centre and a bus service from Helensburgh's Train Station to the Town Centre.

Table 6.0 Overall Public Transport Rating Scores

Total Number Score	Overall Score Rating
0	Very Poor
1	Poor
2	Average
3	Good
4	Very Good

## 4.4 Findings – Public Transport Access

### Existing Parks

- Skate parks at Fairy Meadows, West Dapto and Unanderra are all rated as having 'good' public transport services, with all sites having a bus stop within 400m and a train station between 400 and 800m away.
- The Helensburgh and Holborn Skate Park sites overall scores are rated as 'average', with both having bus stops within 400m but a train station over 800m away.

### Proposed Parks

- The Wollongong site achieved the highest overall score rating of 'very good' whereas Thirroul scored an 'average'. This is reflected by the nearest bus stop and train station located within 400m to the Wollongong site, while Thirroul has these services located 400 to 800m away.

## 5.0 Conclusions of Review

### Existing Skate Park Potential User Numbers and Access to Public Transport Services

- The highest potential number of children and adult users living within a 2.5km radius were found at the Fairy Meadows Skate Park. Public transport access to this park was rated as good i.e. there was a bus stop within 400m and a train station between 400 and 800m away.
- The Helensburgh Skate Park recorded the lowest potential children and adult user numbers for all three study areas.
- At a regional skate park level, the Holborn Skate Park has significantly higher number of potential children and adult users across all study areas compared to the Helensburgh site. Public transport access to both sites was rated as average i.e. bus stop within 400m and train station located further than 800m away.

### Proposed Skate Park Potential User Numbers and Access to Public Transport Services

- The Wollongong location has potentially 41%, 120% and 16% more potential children users residing within the 2.5km, 10 and 20km study areas respectively compared to the Thirroul location.
- The adult group residing within the 2.5km, 10km and 20km radius areas showed the Wollongong site would have 129%, 149% and 14% more potential adult users than the Thirroul location.
- The Wollongong site achieved the highest possible public transport access overall score rating of 'very good' (bus stop and train station located within 400m) whereas the Thirroul site score was rated as 'average' (bus stop and train station located 400 to 800m away).
- Potential children user numbers from 2015 to 2025 show minimal growth within the 2.5 and 10km radius areas of the Thirroul site.
- The Wollongong site will have gradual growth of potential children users across all three radius areas over the 2015 to 2025 period.
- Forecast potential adult numbers from 2015 to 2025 show the Wollongong site will have higher growth numbers compared to the Thirroul site across all study areas.

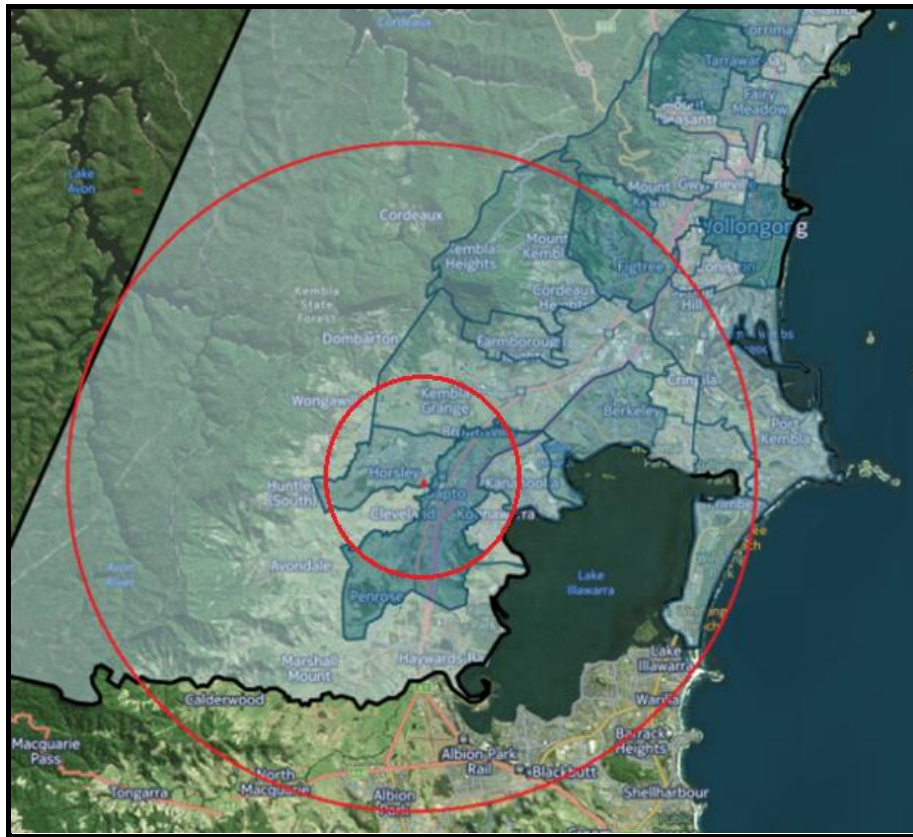
## Attachment 1.0 – Existing and Proposed Park Location Details

Existing Parks	Where	Status	Date in Operation
Fairy Meadow Skate Park	Guest Park, Cambridge Road, Fairy Meadows	District	1990s
West Dapto Skate Park	Dimond Brothers Reserve, Bong Bong Rd, West Dapto	District	1999
Unanderra Skate Park	Unanderra Park, Central Road, Unanderra	District	1995
Helensburgh Skate Park	Rex Jackson Park, Park Avenue, Helensburgh	Regional	2007
Holborn Park Skate Plaza	Northcliff Drive, Berkeley	Regional	2015

Proposed Park Locations	Where (Indicative)	Potential Status
Thirroul Skate Park	Thirroul beach Reserve (south end), Thirroul	Regional
Wollongong Skate Park	McCabe Park or Stuart Park, Wollongong	Regional

## Attachment 2.0 – Aerial View Maps Showing 2.5km, 10km for District Parks and 20km Radial Study Areas for Regional Parks

### Dapto Skate Park (District) 2.5 and 10 km Radius Study Areas (2015)

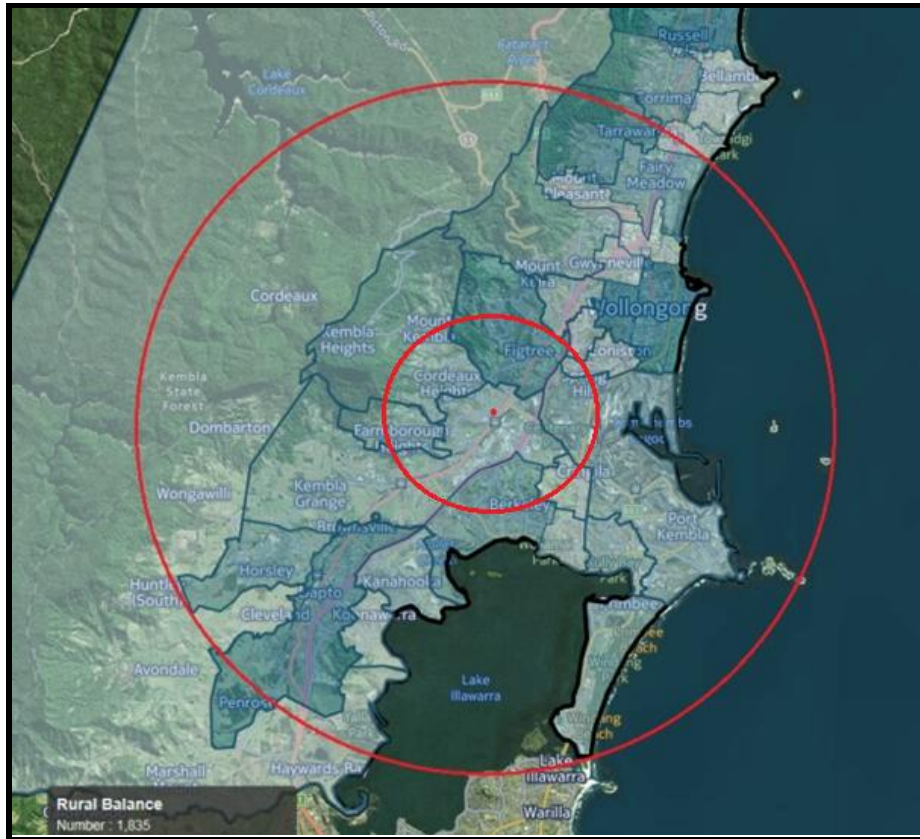


2.5km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Horsley	1183	5732
Dapto (90%)	1557	9618
Kanahooka (30%)	188	1368
Koonawarra (50%)	279	1472
<b>Totals</b>	<b>1648</b>	<b>545</b>

10Km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Horsley	1183	5732
Dapto	1731	10687
Kanahooka	629	4562
Koonawarra	558	2944
Warrawong	631	4144
Farmborough Hts.	624	3359
Berkeley	947	6202
Cringila	314	1707
Figtree (80%)	1622	7424
Coniston (20%)	522	642
Port Kembla - Spring Hill (10%)	558	437
Unanderra - Kembla Grange	727	5155
Lake Hts.	449	3095
Mt Kembla Cordeaux Hts.	842	4715
Windang - Primbee	463	3744
<b>Totals</b>	<b>6136</b>	<b>1936</b>

### Unanderra Skate Park (District) 2.5 and 10 km Radius Study Areas (2015)



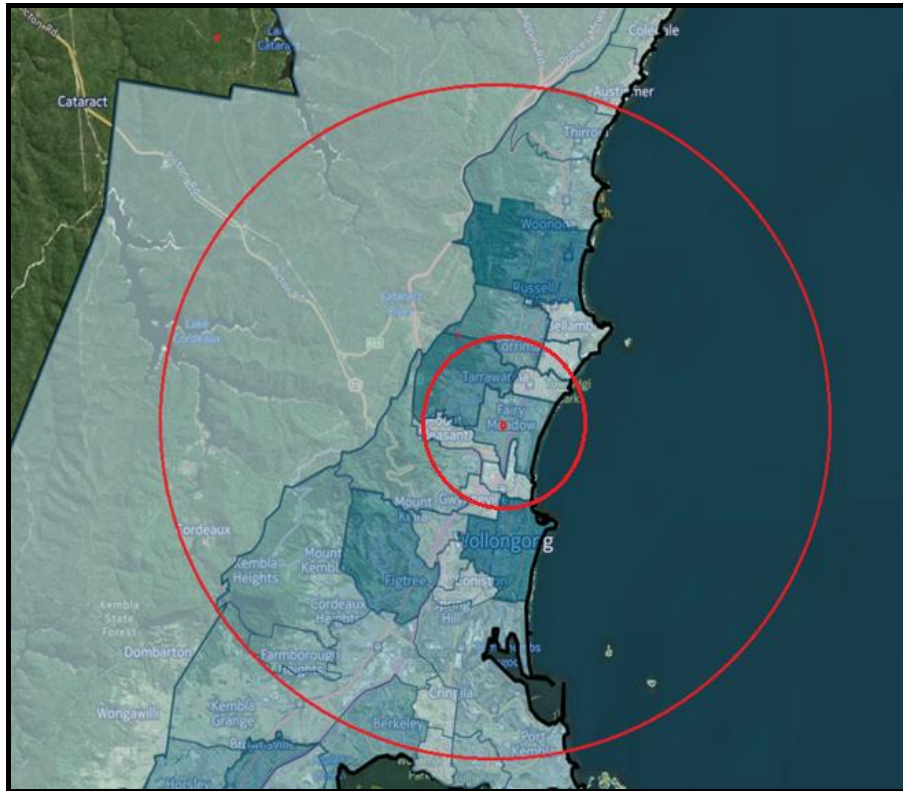


2.5km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Unanderra	727	5155
Berkeley (5%)	36.35	310.1
Mt St Thomas – Coniston (10%)	52.2	321
Figtree (50%)	811	4640.5
Cordeaux Hts. (80%)	673.6	3772
Farmborough Hts. (75%)	481.5	2519.25
Totals	1446.458	501

10Km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Horsley	1183	5732
Dapto	1731	10687
Kanahooka	629	4562
Koonawarra	558	2944
Warrawong	631	4144
Farmborough Hts.	624	3359
Berkeley	947	6202
Cringila	314	1707
Figtree	1622	9281
Coniston	522	3210
Port Kembla - Spring Hill	588	4377
Unanderra - Kembla Grange	727	5155
Lake Ht .	449	3095
Mt Kembla – Cordeaux Hts.	842	4715
Warrawong	631	4144
Wollongong	1101	16995
Mangerton	375	2339
West Wollongong	695	4089
Keiraville – Mt Keira	536	4489
Gwynneville	277	2311

North Wollongong	103	2331
Mt Ousley	355	2388
Fairy Meadow	859	6856
Balgownie – Tarrawanna (80%)	771.2	5718.4
Towradgi (40%)	148.4	1093.6
Windang - Primbee	463	3744
Totals	9194.432	3770

## Fairy Meadow Skate Park (District) 2.5 and 10 km Radius Study Areas (2015)

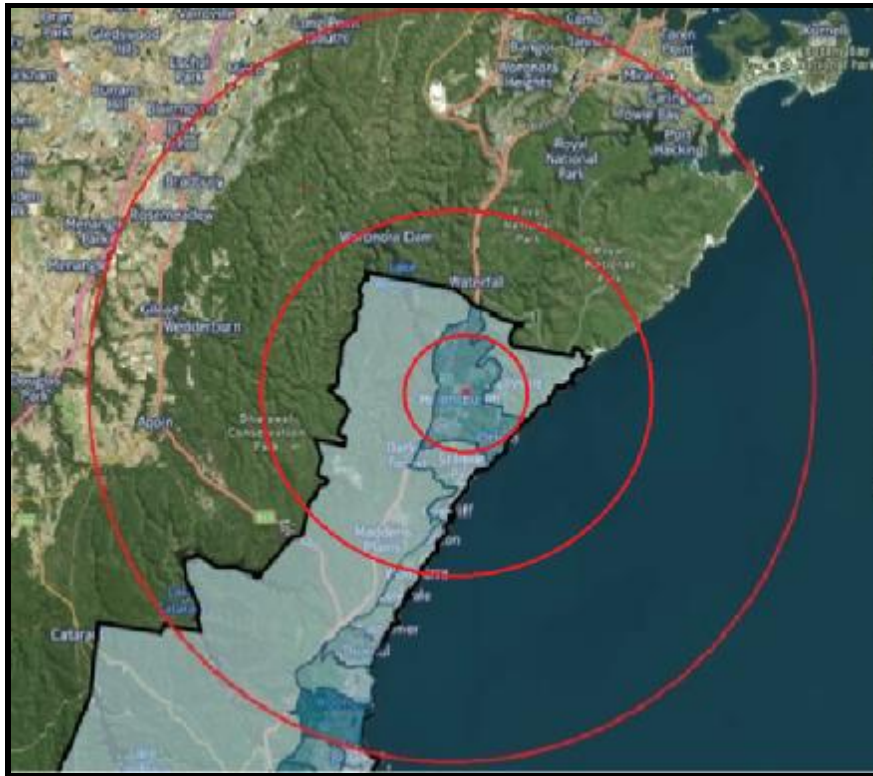


2.5km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Balgownie	964	7148
Corrimal (50%)	378	2982
East Corrimal (50%)	192	1381.5
Fairy Meadows	859	6856
Gwynneville (50%)	138.5	1155.5
Keiraville - Mt Keira (20%)	107.2	897.8
Mt Ousley (90%)	319.5	2149.2
North Wollongong	103	2331
Towradgi	371	2734
<b>Totals</b>	<b>1784.744</b>	<b>829.05</b>

10Km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Balgownie	964	7148
Bellambi	517	3406
Berkeley (70%)	947	6202
Bulli	993	4787
Coniston	522	3210
Cordeaux Hts.	842	4715
Corrimal	756	5964
Cringila	314	1707
East Corrimal	384	2763
Fairy Meadows	859	6856
Farmborough Hts.	624	3359
Figtree	1622	9281
Gwynneville	277	2311
Keiraville - Mt Keira	536	4489
Lake Hts. (50%)	224.5	1547.5
Mangerton	375	2339
Mt Ousley	355	2388
North Wollongong	103	2331

Port Kembla (50%)	279	2188.5
Thirroul	788	4940
Towradgi	371	2734
Unanderra	727	5155
Warrawong (50%)	315.5	2072
West Wollongong	695	4089
Wollongong	1101	16995
Woonona	1768	11040
Totals	8,975	3720.51

## Helensburgh Skate Park (Regional) 2.5, 10 and 20km Radius Study Areas (2015)

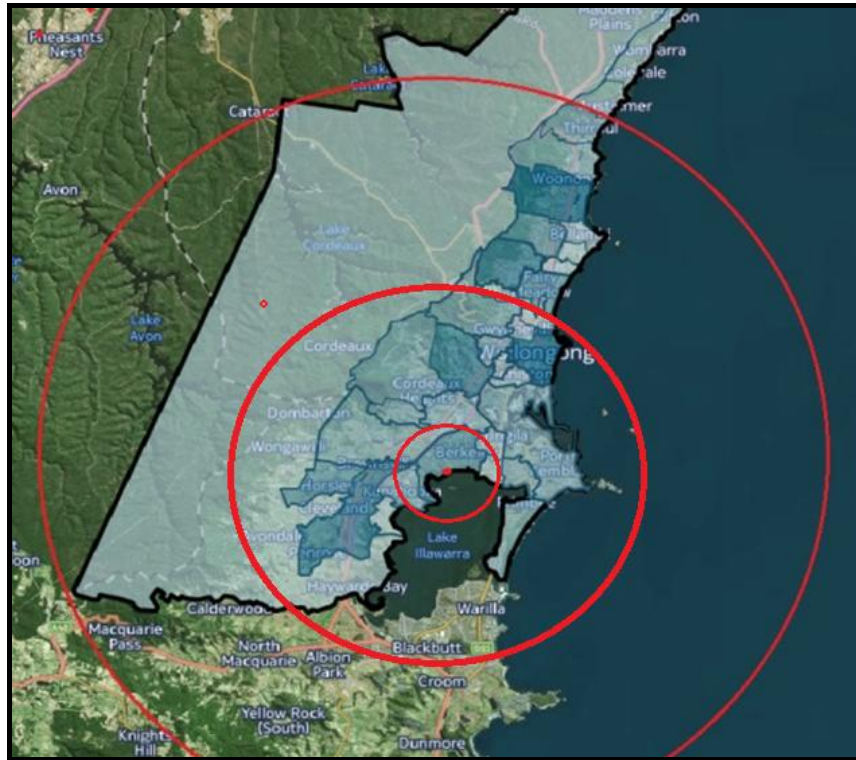


2.5km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Helensburgh	950	5042
Totals	494	151.26

10km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Helensburgh	950	5042
Stanwell park - Coalcliff	323	1741
Wombarra - Coledale (50%)	204	952
Totals	768.04	232.05

20km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Austinmer	343	2114
Bulli	993	4787
Helensburgh	950	5042
Stanwell park - Coalcliff	323	1741
Thirroul	788	4940
Wombarra - Coledale	408	1904
Woonona - Russell Vale	1768	11040
Totals	2897.96	947.04

## Holborn Park Skate Plaza (Regional) 2.5, 10 and 20km Radius Study Areas (2015)



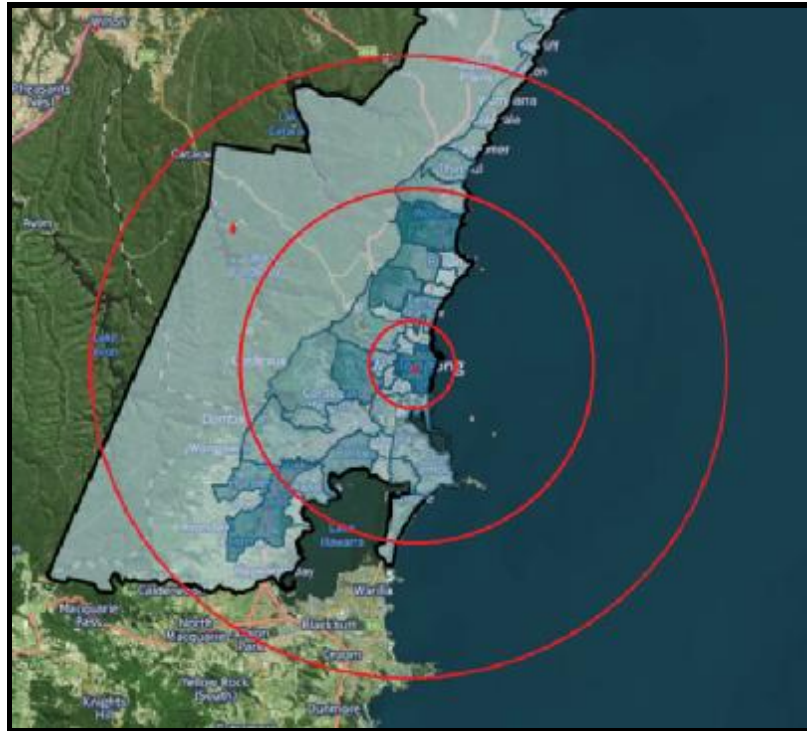
2.5km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Berkeley	947	6202
Kanahooka (20%)	124	912
Lake Hts. (95%)	426.55	2940.25
Cringila (10%)	31	170
Unanderra (10%)	72	515
<b>Totals</b>	<b>832.286</b>	<b>322.1775</b>

10Km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Berkeley	947	6202
Coniston	522	3210
Cordeaux Hts.	842	4715
Cringila	314	1707
Dapto	1731	10687
Farmborough Hts.	624	3359
Figtree	1622	9281
Gwynneville	277	2311
Horsley	1183	5732
Kanahooka	629	4562
Lake Hts.	449	2339
Mangerton	375	2339
Mt Keira - Keiraville	536	4489
Mt Ousley (20%)	71	477.6
North Wollongong	103	2331
Port Kembla	558	4377
Unanderra	727	5155
West Wollongong	695	4089
Windang	463	3744
Wollongong	1101	16995
<b>Totals</b>	<b>7159.88</b>	<b>2943.048</b>

20km	Children 5 to 14 (Total Adjusted x 52%)	Total Pop Aged 15 + (Total Adjusted x .3%)
Balgownie	964	7,148
Bellambi	517	3,406
Berkeley	947	6,202
Bulli	993	4,787
Coniston	522	3,210
Cordeaux Hts.	842	4,715
Corrimal	756	5,964
Cringila	314	1,707
Dapto	1731	10,687
East Corrimal	384	2,763
Fairy Meadows	859	6,856
Farmborough Hts.	624	3,359
Figtree	1622	9,281
Gwynneville	277	2,311
Horsley	1183	5,732
Kanahooka	629	4,562
Lake Hts.	449	3,095
Mangerton	375	2,339
Mt Keira - Keiraville	536	2,944
Mt Ousley	355	2,388
North Wollongong	103	2,331
Port Kembla	558	4,377
Thirroul	788	4,940
Towradgi	371	2,734
Unanderra	727	5,155
West Wollongong	695	4,089
Windang	463	3,744
Wollongong	1101	16,995
Woonona	1768	11,040
Totals	11155.56	4465.83



Wollongong CBD (north end of McCabe Park) (Regional) 2.5, 10 and 20km Radius Study Areas (2015, 2020, 2025)



2.5km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Coniston (80%)	417.6	441.6	450.4	2568	2577.6	2580.8
Fairy Meadows (5%)	42.95	44.6	46	342.8	355.4	362.45
Gwynneville	277	301	328	2311	2,422	2,534
Keiraville (35%)	187.6	181.3	517	1571.15	1588.3	1590.4
Mangerton (95%)	356.25	339.15	344.85	2222.05	2238.2	2266.7
North Wollongong	103	118	131	2331	2,340	2,420
West Wollongong (50%)	347.5	328	315	2044.5	2086.5	2132
Wollongong	1101	1,311	1,486	16995	18,988	20,475
<b>Totals</b>	<b>1,473</b>	<b>1,594</b>	<b>1,881</b>	<b>911.56</b>	<b>977.88</b>	<b>1030.84</b>

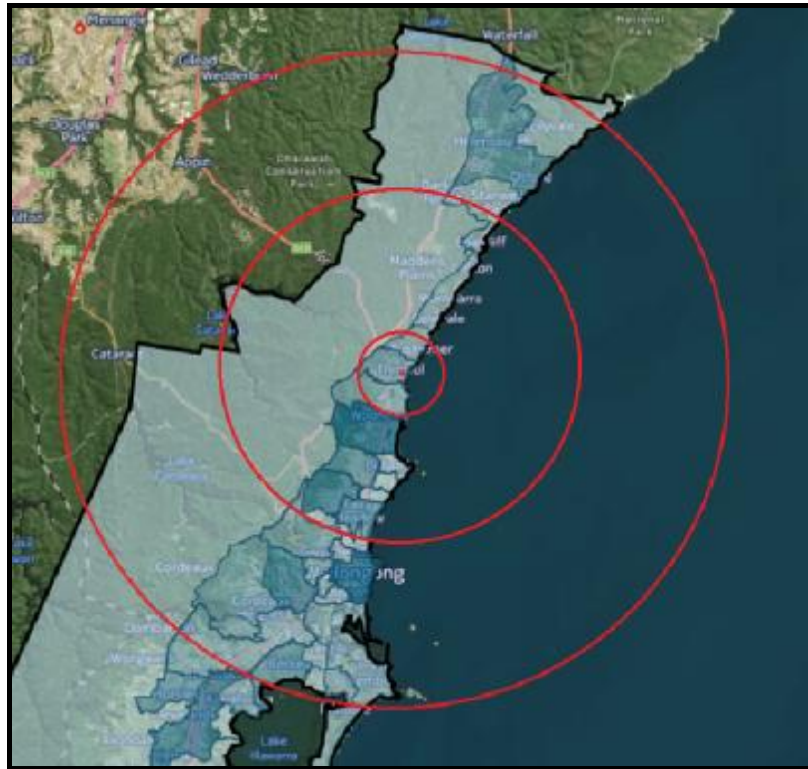
10km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Balgownie	964	1,014	1,022	7,148	7,174	7,273
Bellambi	517	487	480	3,406	3,359	3,352
Berkeley	947	983	1,013	6,202	6,211	6,220
Bulli (50%)	497	538	559	2,394	2,581	2,709
Coniston	522	552	563	3,210	3,222	3,226
Cordeaux Hts.	842	771	760	4,715	4,621	4,529
Corrimal	756	798	823	5,964	6,110	6,289
Cringila	314	318	303	1,707	1,690	1,718
Dapto	1,731	1,799	1,859	10,687	11,308	11,682
East Corrimal	384	376	371	2,763	2,807	2,850
Fairy Meadows	859	892	920	6,856	7,108	7,249
Farmborough Hts.	624	580	550	3,359	3,324	3,306
Figtree	1,622	1,683	1,656	9,281	9,589	9,718
Gwynneville	277	301	328	2,311	2,422	2,534
Kanahooka	629	662	668	4,562	4,738	4,751
Keiraville	536	518	517	4,489	4,538	4,544
Koonawarra	558	558	615	2,944	2,981	3,169



Lake Hts.	449	496	507	3,095	3,178	3,210
Mangerton	375	357	363	2,339	2,356	2,386
Mt Ousley	355	385	398	2,388	2,388	2,404
North Wollongong	103	118	131	2,331	2,340	2,420
Port Kembla	558	614	641	4,377	4,407	4,442
Towradgi	371	377	379	2,734	2,738	2,761
Unanderra	727	746	1,076	5,155	5,266	6,302
Warrawong	631	673	668	4,144	4,322	4,383
West Wollongong	695	656	630	4,089	4,173	4,264
Windang	463	480	484	3,744	3,784	3,832
Wollongong	1,101	1,311	1,486	16,995	18,988	20,475
Woonona	1,768	1,792	1,750	11,040	11,178	11,385
Totals	10490.74	10833.94	11190.4	4332.855	4467.03	4601.49

20km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Austinmer	343	338	330	2,114	2,122	2,161
Balgownie	964	1,014	1,022	7,148	7,174	7,273
Bellambi	517	487	480	3,406	3,359	3,352
Berkeley	947	983	1,013	6,202	6,211	6,220
Bulli	993	1,075	1,118	4,787	5,162	5,418
Coniston	522	552	563	3,210	3,222	3,226
Cordeaux Hts.	842	771	760	4,715	4,621	4,529
Corrimal	756	798	823	5,964	6,110	6,289
Cringila	314	318	303	1,707	1,690	1,718
Dapto	1,731	1,799	1,859	10,687	11,308	11,682
East Corrimal	384	376	371	2,763	2,807	2,850
Fairy Meadows	859	892	920	6,856	7,108	7,249
Farmborough Hts.	624	580	550	3,359	3,324	3,306
Figtree	1,622	1,683	1,656	9,281	9,589	9,718
Gwynneville	277	301	328	2,311	2,422	2,534
Horsley	1,183	1,349	1,453	5,732	6,598	7,151
Kanahooka	629	662	668	4,562	4,738	4,751
Keiraville	536	518	517	4,489	4,538	4,544
Koonawarra	558	558	615	2,944	2,981	3,169
Lake Hts.	449	496	507	3,095	3,178	3,210
Mangerton	375	357	363	2,339	2,356	2,386
Mt Ousley	355	385	398	2,388	2,388	2,404
North Wollongong	103	118	131	2,331	2,340	2,420
Port Kembla	558	614	641	4,377	4,407	4,442
Thirroul	788	798	785	4,940	5,019	5,095
Towradgi	371	377	379	2,734	2,738	2,761
Unanderra	727	746	1,076	5,155	5,266	6,302
Warrawong	631	673	668	4,144	4,322	4,383
West Wollongong	695	656	630	4,089	4,173	4,264
Windang	463	480	484	3,744	3,784	3,832
Wollongong	1,101	1,311	1,486	16,995	18,988	20,475
Wombarra	408	361	336	1,904	1,923	1,934
Woonona	1,768	1,792	1,750	11,040	11,178	11,385
Totals	12164.36	12593.36	12991.16	4845.36	5014.32	5172.99

Thirroul Beach Reserve (south end) (Regional) 2.5, 10 and 20km Radius Study Areas (2015, 2020, 2025)



2.5km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Austinmer (95%)	325.85	321.1	313.5	2334.15	2015.9	2052.95
Bulli (90%)	893.7	967.5	1006.2	5202	4645.8	4876.2
Thirroul	788	798	785	5729	5,019	5,095
<b>Totals</b>	<b>1043.926</b>	<b>1085.032</b>	<b>1094.444</b>	<b>397.9545</b>	<b>350.421</b>	<b>360.7245</b>

10km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Austinmer	343	338	330	2114	2,122	2,161
Balgownie	964	1,014	1,022	7148	7,174	7,273
Bellambi	517	487	480	3406	3,359	3,352
Bulli	993	1,075	1,118	4787	5,162	5,418
Corrimal	756	798	823	5964	6,110	6,289
East Corrimal	384	376	371	2,763	2,807	2,850
Fairy Meadows	859	892	920	6,856	7,108	7,249
Mt Ousley	355	385	398	2388	2,388	2,404
Stanwell Park	323	291	281	1741	1,710	1,683
Thirroul	788	798	785	4940	5,019	5,095
Towradgi	371	377	379	2734	2,738	2,761
Wombarra	408	361	336	1904	1,923	1,934
Woonona	1768	1,792	1,750	11040	11,178	11,385
<b>Totals</b>	<b>4591.08</b>	<b>4671.68</b>	<b>4676.36</b>	<b>1733.55</b>	<b>1763.94</b>	<b>1795.62</b>

20km	Children 5 to 14 (Totals Adjusted x 52%)			Total Pop Aged 15 + (Totals Adjusted x .3%)		
	2015	2020	2025	2015	2020	2025
Austinmer	343	338	330	2,114	2,122	2,161
Balgownie	964	1,014	1,022	7,148	7,174	7,273
Bellambi	517	487	480	3,406	3,359	3,352
Berkeley	947	983	1,013	6,202	6,211	6,220
Bulli	993	1,075	1,118	4,787	5,162	5,418
Coniston	522	552	563	3,210	3,222	3,226
Cordeaux Hts.	842	771	760	4,715	4,621	4,529
Corrimal	756	798	823	5,964	6,110	6,289
Cringila	314	318	303	1,707	1,690	1,718
East Corrimal	384	376	371	2,763	2,807	2,850
Fairy Meadows	859	892	920	6,856	7,108	7,249
Farmborough Hts.	624	580	550	3,359	3,324	3,306
Figtree	1,622	1,683	1,656	9,281	9,589	9,718
Gwynneville	277	301	328	2,311	2,422	2,534
Helensburgh	950	911	870	5,042	5,013	5,040
Keiraville	536	518	517	4,489	4,538	4,544
Lake Hts.	449	496	507	3,095	3,178	3,210
Mangerton	375	357	363	2,339	2,356	2,386
Mt Ousley	355	385	398	2,388	2,388	2,404
North Wollongong	103	118	131	2,331	2,340	2,420
Port Kembla	558	614	641	4,377	4,407	4,442
Stanwell Park	323	291	281	1,741	1,710	1,683
Thirroul	788	798	785	4,940	5,019	5,095
Towradgi	371	377	379	2,734	2,738	2,761
Unanderra	727	746	1,076	5,155	5,266	6,302
Warrawong	631	673	668	4,144	4,322	4,383
West Wollongong	695	656	630	4,089	4,173	4,264
Wollongong	1,101	1,311	1,486	16,995	18,988	20,475
Wombarra	408	361	336	1,904	1,923	1,934
Woonona	1,768	1,792	1,750	11,040	11,178	11,385
Totals	10453	10697	10949	4218.78	4333.74	4457.13