



Surf Life Saving Queensland Lifesaving Services Service Plan 2018-2022 Sunshine Coast Council



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Introduction

Sunshine Coast Council's beaches are recognised as some of the best in Australia and right across the world. They are a magnet to people moving here and to national and international visitors holidaying in the region. It is for this reason that safe beaches are critical to the lifestyle and economy of the Sunshine Coast.

The Lifeguard Service operated by Surf Lifesaving Queensland (SLSQ) on behalf of council manages foreshore and aquatic activities for the enjoyment and protection of Sunshine Coast residents and visitors. In addition, SLSQ operates volunteer lifesaving patrols during the surf lifesaving season (September to May) and provides ancillary professional and 24-hour emergency call out services throughout the year.

This combination of services has ensured a high degree of protection and education for beach visitors. SLSQ's commitment to the ongoing safety of beach visitors includes this Lifeguard Service Plan for 2018 – 2022, which has been developed to guide operational activities for the coming five years. Its aim is to provide a blue print for service delivery along the Sunshine Coast beaches by enhancing parity in service levels, addressing operational inconsistencies, improving gaps in service levels, and responding to short term growth demands.

Service History

Voluntary lifesaving service started on the Sunshine Coast in 1916. Increasingly the Sunshine Coast became a popular tourist destination and weekend volunteer surf lifesaving patrols were no longer sufficient for the vast number of people using the beach. Professional "Beach Inspectors" (Lifeguards) commenced at Kings Beach Caloundra in December 1965 and within Maroochy Shire in 1966.

In the ensuing 40 years, the existing councils, Caloundra, Maroochy and Noosa, progressively increased professional lifeguard services to operate seven days a week over multiple locations. They continued to supplement the voluntary weekend patrols undertaken by Surf Life Saving Queensland.

The three councils provided in-house lifeguard services however Noosa Council contracted out its Lifeguard Service to Surf Life Saving Queensland from early 1980s to 2001 before returning to an in-house model.

Noosa and Caloundra Council lifeguard services were generally tourist focussed and similar in size, supporting one major tourist location and additional lifeguard services including seasonal locations as required. Maroochy Council's lifeguard service was considerably larger, with several significant tourist locations and additional seasonal locations.

In 2008 the three councils amalgamated to form the Sunshine Coast Council. In 2012 the council then made the decision to contract out its beach safety services to Surf Life Saving Queensland which remains the case to this day. On 1 January 2014, the Noosa Council de-amalgamated from the Sunshine Coast Council. SLSQ continues to provide lifeguard services to both the Noosa and Sunshine Coast Councils.



Maroochy Lifesaving Club Bronze squad
c. 1958 Picture courtesy Sunshine Coast
Libraries

Policy Framework

Council Policy Context

Lifeguard Services are a significant service provider within the Economic and Community Development Group Sunshine Coast Council and considered a core responsibility of council. They deliver tangible outcomes under council's corporate plan. In addition, they support a range of council strategies and plans including the Smart Economy, Strong Community, Healthy Environment, Service Excellence, and Productive Professional Partnerships. Sunshine Coast Council Corporate Plan 2017-2021 goals for service excellence are positive experiences for our customers, great services to our community.

Delivery Pathways

- Respecting and valuing our customers
- Regular and relevant engagement with our community
- Service quality assessed by performance and value customers and
- Assets meet endorsed standards for sustainable service delivery.

Relevant Legislation

While Australian civil liability law requires beachgoers to take personal responsibility for "obvious" risks, council is responsible for monitoring risk, making users aware of inherent dangers, and for communicating effectively with them about these dangers.

At a state level, councils are authorised to control bathing reserves under the *Local Government Act 2009* and subordinate legislation. In addition, lifeguard service and SLSQ voluntary personal are authorised to undertake rescues in disaster situations under the *Disaster Management Act 2003*.

At a local level, councils control bathing reserves through a local law and subordinate local laws. Sunshine Coast Council has developed "Local Law No 6 – Bathing Reserves" to manage activities within bathing reserves. Lifeguards and Patrol Captains obtain the authority to manage the beach from this local law.

State of the Service

Lifeguard Services

In 2018, lifeguard services on the Sunshine Coast are provided by Surf Life Saving Queensland through its professional lifeguard service arm, the Australian Lifeguard Service (ALS). These services ensure that there are patrolled beaches available 365 days of the year across the coast.

A leader in professional lifeguard services, the ALS is dedicated to saving lives and is committed to the provision of a proactive service on the beach and within the community.

The ALS provides professional lifeguard services to local governments, land managers, and resorts through each respective lifesaving state body, and is the sole provider of lifeguard services to coastal local government areas in Victoria, South Australia, Tasmania and the major provider of services in Western Australia, New South Wales.

In Queensland, SLSQ and the ALS provide more than 80 individual lifeguard services throughout the state, of which 20 are in the Sunshine Coast Council's jurisdiction as listed below.

Table 1: Current Services Level

Beach	Length of Service	Surf Life Saving Clubs
Coolum North	September to May	N/A
Coolum Beach	All year round	Coolum Beach SLSC patrols weekends and public holidays from September through to the start of May.
Yaroomba	September to May school holidays	N/A
Boardwalk	September to May School Holidays and weekends	N/A

Maroola Beach	September to May and winter school holidays May to September weekends and public holidays	Maroola SLSC patrols weekends and public holidays from September through to the start of May.
Discovery Beach	All year round	N/A
Mudjimba	All year round	Mudjimba SLSC patrols weekends and public holidays from September through to the start of May.
Twin Waters	All year round	N/A
Maroochydore	All year round	Maroochydore SLSC patrols weekends and public holidays from September through to the start of May.
Alexandra Headland	All year round	Alexandra Headland SLSC patrols weekends and public holidays from September through to the start of May
Mooloolaba Beach – Main	All year round	Mooloolaba SLSC patrols weekends and public holidays from September through to the start of May.
Mooloolaba Beach – The Spit	All year round	N/A
Buddina	September to May and winter school holidays May to September weekends and public holidays	Kawana SLSC patrols weekends and public holidays from September through to the start of May.
Wurtulla	September to May School Holidays and weekends	N/A
Currimundi Beach	September to May School Holidays and weekends	N/A
Dicky Beach	All year round	Dicky Beach SLSC patrols weekends and public holidays from September through to the start of May.
Kings Beach	All year round	Metropolitan Caloundra SLSC patrols weekends and public holidays from September through to the start of May.
Kings Beach Pool	September, Christmas and Easter school holidays and weekends and public holidays between November through to end of February.	N/A
Bulcock Beach	September to May and winter school holidays May to September weekends and public holidays	Ithaca Royal Lifesaving Club patrols weekends and public holidays from September through to the start of May
Golden Beach	September to May school holidays	N/A

Surf Life Saving Club Services

SLSQ provides traditional club patrol services at nine beaches on weekends and public holidays from September to May through the Sunshine Coast Branch and nine individual surf life saving clubs. Annual patrol contracts are put in place which are signed off by the respective club, branch, SLSQ, and council. The Royal Life Saving Society provides a volunteer patrol at Bulcock Beach at similar times to SLSQ from September to May through the Ithaca Caloundra City Lifesaving Club.

Operation Support and Additional Services

Surf Life Saving Queensland supports lifeguard and club patrols by providing:

- 365 days Radio Communication Network
- 365 days State Operations Communication Centre
- Dedicated after hours call out system
- 365 days Westpac Lifesaver Rescue Helicopter services
- RWC (Jet Ski) Roving Patrols
- Duty Officer System
- 24-hour response call out teams

Community Awareness Services

To help achieve its vision of 'Zero preventable deaths in Queensland public waters', SLSQ is very much aware that it can not just rely on traditional lifeguard and lifesaving services, but must also look at all avenues to educate, advocate, and promote water safety within the community. To do this SLSQ has a dedicated community awareness team. This includes one full-time staff member and 16 casual staff on the Sunshine Coast to assist with the delivery of key educational programs. The community awareness team are responsible for running the following programs or initiatives aimed at reducing the drowning and aquatic deaths:

- Airport welcome services
- Beach Safety Brochures 290 major holiday accommodation in the Sunshine Coast Council area.
- Queensland Heath School Visits
- Little Lifesavers
- Little Lifesavers Legends
- Queensland Health Beach Programs (school-age children)
- University Surf Safety programs
- Senior Programs
- Beach to Bush Program
- On the Same Wave (targeting multicultural residents and tourists)
- Pop up displays at fetes, conferences and festivals

Operational Performance

The primary role of Lifesaving Service is to ensure beach safety by preventing incidents and responding when incidents occur. Tragic occurrences on Sunshine Coast beaches are infrequent, as the integrated service provided by the ALS, clubs, and other operational support services provide extensive coverage. Additionally, lifeguard staff and volunteers are highly trained, with SLSQ providing significant overarching support to the services.

In 2016/17, SLSQ patrols estimated there were roughly 8,092,493 visitations to beaches under patrol. Of these people, only 0.006% required rescuing, while approximately 0.36% required first aid advice or treatment, mostly for minor marine stings and minor cuts or abrasions. One in every 18 visitors to the beach had an interaction of some sort with a lifeguard or surf lifesaver.

In total, over a 10 year period, the Sunshine Coast has had 10 beach-related coastal drowning deaths; most of these occurred outside patrolled areas or patrol hours. During the past five years, seven people have drowned on the Sunshine Coast, none of which occurred within a patrolled area.

While the service is providing a high standard of professionalism, there is an opportunity for improvement to achieve greater parity along the coast, improve beach safety at some locations, and respond to both changing demographics and development.

Table 2: Service Statistics – Key Activities (Sunshine Coast)

Function	2012/13	2013/14	2014/15	2015/16	2016/17
Preventative Actions ¹	155,721	83,893	165,694	142,518	134,615
Rescues	982	903	1,454	1,259	518
First aid treatments ²	7,299	3,809	5,138	7,050	29,568

¹ Preventative actions include duties like putting out signs, verbally warning swimmers of danger and using the public address system.

² First aid treatments includes marine stinger treatments in the 2016/17 years there was 24,246 marine stinger treatments alone.

As well as providing lifeguard services, council lifeguards also undertake:

- local law enforcement;
- tourism ambassador services, providing beach condition information and public relations; and
- surf education for school and community groups.

Table 3: Service Statistics - Additional Functions (Sunshine Coast)

Function	2012/13	2013/14	2014/15	2015/16	2016/17
Local Government Ordinances and Public Relations	100,260	148,704	209,532	302,778	258,905
Community education sessions	407	375	393	211	259



Sunshine Coast Coastal Fatalities

Table 4: Fatalities Sunshine Coast (1 July 2011 to 30 June 2017)

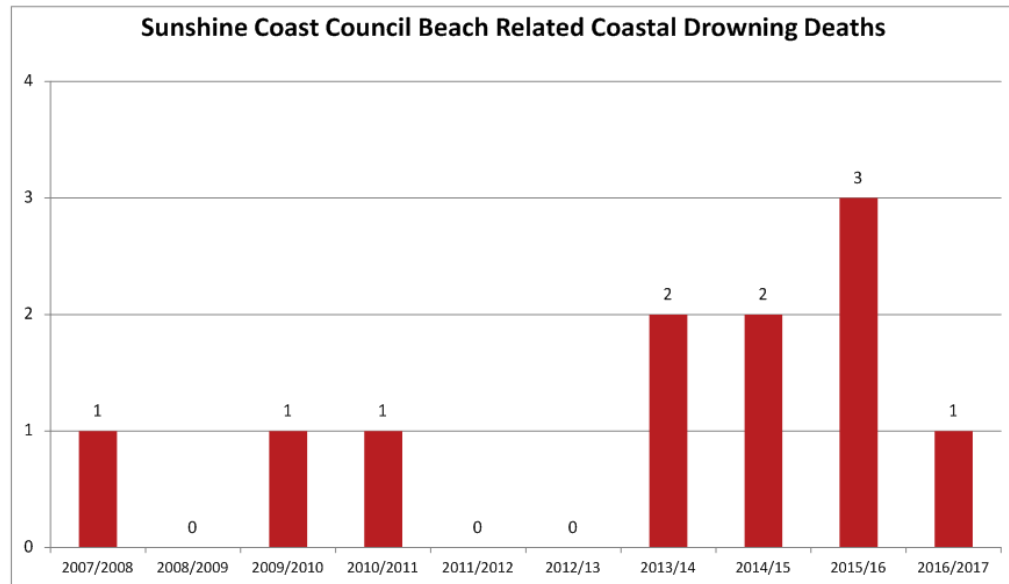
BEACH RELATED COASTAL DROWNING DEATHS x 8		
Beach related coastal drownings are death by immersion or submersion that has occurred in a surf or beach environment.		
Date	Location	Patient Details
16 th March 2014	Beach Access 116 Discovery – Mudjimba	Female 18 years old
16 th May 2014	Kings Beach	Male 74 years old
10 th January 2015	Yaroomba	Male 36 years old
5 th May 2015	Beach Access 95 Marcoola	Male 32 years old
18 th October 2015	Beach Access 152 Maroochydore	Female 53 years old
12 th March 2016	Kings Beach	Male 70 years old
19 th April 2016	Warana	Male 52 years old
20 th February 2017	Currimundi	82 years old
COASTAL FATALITIES x 8		
Coastal Fatalities - are those reported to SLSQ that have occurred in a beach or waterway environment		
Date	Location	Patient Details
24 th November 2011	Shelly Beach	Male 46 years old
5 th February 2012	Moffat Beach	Male 50 years old
25 th March 2013	Mooloolaba Main Beach	Male 61 years old
5 th April 2014	Mooloolaba Spit	Male 49 years old
14 th September 2014	Mooloolaba	Male 39 years old
18 th June 2016	Golden Beach	Male 52 years old
9 th September 2016	Mooloolaba	Male 40's year old
11 th April 2017	Beach Access 154 Maroochydore	Female 71 years old

Yearly Incident Trend Analysis

Beach-related coastal drowning deaths- Sunshine Coast Summary 1st July 2007 – 30th June 2017

- The Sunshine Coast has seen an increase in the total number of beach-related coastal drowning deaths since 2007.
- The Sunshine Coast Council region has seen an increase in the number of drownings over the past three years. An analysis of data highlights that an increase or decrease in the number of drownings recorded can occur within a particular region over a period of time. This is consistent with normal drowning trends across Queensland.

Table 5: Beach-related coastal drowning deaths (1 July 2007 – 30 June 2017)



Beach-related Coastal Drowning Deaths- By Beach/Location 1st July 2007 to 30th June 2017

In total, the Sunshine Coast has recorded 11 beach-related coastal drowning deaths over the past 10 years.

The majority of these beaches are rated as high energy, open beaches with an ABSAMP rating of six out of ten and are known as transverse bar and rip beaches. The dynamics of these types of beaches pose a higher risk in adverse weather events or are known to have a number of rips currents.

Table 6: Beach-related Coastal Drowning Deaths- By Beach/Location 1st July 2007 to 30th June 2017

Beach/Location	1 Year Total (1 July 2016 – 30 June 2017)	3 Year Total (1 July 2014 – 30 June 2017)	5 Year Total (1 July 2012 – 30 June 2017)	10 Year Total (1 July 2007 – 30 June 2017)
Dicky Beach	1	1	1	1
Kings Beach	0	1	2	2
Maroochydore Beach	0	1	1	1
Port Arkwright	0	0	0	1
Happy Valley	0	0	0	1
Marcoola Beach	0	1	1	1
Yaroomba Beach	0	1	1	1
Discovery Beach	0	0	1	1

Caloundra Rivermouth	0	0	0	1
Wurtulla	0	1	1	1
	1	6	8	11

Staffing

The ALS currently employs 31 permanent lifeguards, three supervisors, and up to 98 casual lifeguards in peak periods to provide services on 27 beaches region wide (includes Noosa). All lifeguards are given specific training in rescue techniques, resuscitation, and lifesaving procedures utilising up-to-date lifesaving equipment. Our lifeguards satisfy nationally recognised competencies under the public safety training package. SLSQ is a registered training organisation (RTO) and has qualified trainers, assessors and facilitators to ensure our lifeguards are competently trained in all areas of aquatic safety. Lifeguard services are predominantly dedicated to patrolling the flagged bathing reserves, as well as responding to emergency call outs.

Approximately 132 staff members make up 50.5 full time equivalent positions. Staffing is the largest single cost for the lifeguard service. Being a seasonal service, the Lifeguard Service employs large numbers of casual staff to supplement permanent staff. The seasonal nature of the service contributes to issues with recruiting qualified casual staff to work each year.

Table 7: Staffing Levels

	2012/13	2013/14	2014/15	2015/16	2016/17
Full-time lifeguard supervisors	2	3	3	3	3
Full Time	14	14	16	17	16
Part Time	6	11	14	14	16
Casual	82	88	97	98	90

The majority of lifeguards originate from surf life saving clubs, however experienced surfers and emergency service personnel are now also attracted to lifeguard employment. In order to maintain a high quality of service, lifeguard staff are required to complete annual proficiencies for Advanced Resuscitation, first aid plus regular fitness and surf skill tests and rescue techniques. Ongoing training is essential to maintaining skill levels.



Infrastructure and Equipment

The Lifeguard Service is generally adequately resourced with considerable facilities and equipment to meet the current service requirements. However several additional facilities are recommended within the next five years to meeting changing demands.

- Lifeguard Storage Mudjimba Beach – possible to share with club.
- Lifeguard Storage Currimundi Beach

Table 8: Fleet, Gear and Rescue Equipment

Beach	ATVs	Jet ski	Vehicles
Alexandra Headland	1	1	
Boardwalk	1		
Buddina	1 (Shared with Kawana SLSC during school holidays)	1	1 (Not available when at Wurtulla)
Bulcock Beach		1	
Coolum Beach	1	1	
Coolum North	1		
Currimundi			1
Dicky Beach	1	1	
Discovery	1		
Golden Beach			
Kings Beach	1	1	
Kings Pool			
Marcoola	1	1	
Maroochydore	1	1	
Mooloolaba	1	1	
Mooloolaba Spit	1		
Mudjimba	1	1	
Twin Waters	1	1	
Wurtulla			1 (from Buddina)
Yaroomba			1
Supervisors			3 (Shared with Noosa Council)

Additional equipment includes but is not limited to 35 defibrillators, 36 oxygen resuscitation kits.

Challenges and Opportunities

Growing Demand

Beach usage on the Sunshine Coast will continue to increase in response to the growing population, increasing development and improving foreshores and beach access. Council will come under increasing pressure to respond to growing demand by extending coverage. Providing appropriate response levels due to this growth presents a challenge given the likelihood that the competency and knowledge of swimmers may drop and incidents are likely to increase.

The population of the Sunshine Coast Council area is projected to increase from about 297,641 in 2016 to 337,951 in 2021. This will see an estimated 16,000 additional households on the coast.

New residents are likely to be attracted by the coastal lifestyle and beach visitations are expected to climb in line with population growth.

The Sunshine Coast region attracted 3,854,000 domestic visitors and 108,000 international visitors including a total of 8,433,000 bed nights in 2016. As the Sunshine Coast continues to attract increased numbers of visitors from a range of cultures unfamiliar with the surf environment including growing markets such as China and India, this may have a further impact on the Lifesaving Services.

Resort and residential developments will continue to be constructed or redeveloped. This is likely to lead to increased usage and demand for beach access points and amenities. In addition, existing foreshore areas will be regenerated often improving facilities and making these beaches more attractive to residents and visitors.

Potential activities likely to impact on Lifesaving Services via increased beach visitations within the life of the service plan include:

- Expansion of Sunshine Coast Airport – Increased access from domestic and international visitors
- Bokarina - Stockland development providing additional access points along with increased development on the western side of the Nicklin Way in around the Sunshine Coast University Hospital Precinct - (plus 5,00sqm land for establishment of a lifeguard facility, and a patrol from 2020-21)
- Growth from Mudjimba to Coolumb and Kawana to Bokarina
- Maroochydoore River Mouth
- Maroochydoore to Alexandra Headlands - beach replenishment & renourishment
- Caloundra South development – approximately 50,000 new residents south of Golden Beach
- Maroochydoore River Mouth

Changing Demographics

The Sunshine Coast has an older age demographic, with 19.4% aged 65+ years. This is considerably higher than the state average of 14% aged 65+ years. This reflects the high number of retirees who have moved to the region, and the high number of young adults migrating away for employment and educational opportunities.

The increased proportion of retirees and older people is likely to impact on beach usage. For example, retirees have more leisure time and their leisure activities frequently incorporate the beach to swim, walk and exercise their dog. This will potentially increase the numbers of people visiting the beach. In addition, retirees have fewer restrictions on when they can visit the beach therefore this will potentially increase the numbers of people visiting the beach in traditionally quieter weekday periods.

Attracting & Retaining Good People

The majority of lifeguard staff generally have previous experience as volunteer lifesavers, however recent additions to lifeguard staff include experienced surfers and emergency service paramedics, along with police, fire and rescue service personnel.

Formal qualifications are renewed as required, generally on an annual basis with further regular fitness and skill based assessments completed three times a year.

The seasonal nature of this service does at times result in difficulty to recruit staff during peak periods, however seasonal work is attractive to younger people, including tertiary students and those seeking part-time work.

The service also has a considerable number of long term permanent and casual employees with potential for future aging workforce issues.

Advancing Technology

While the lifesaving and lifeguard services are essentially a human service, technology plays an important role in the ability to effectively deliver services. Advancements have been made and continue to be made to existing equipment including rescue craft (jet skis) and resuscitation equipment such as portable defibrillators. In recent times the impact of advancing technology is particularly seen in the communications and on beach reporting area. Examples of this are the introduction of LIMSOC (Lifesaving Incident Management System Operation Control). LIMSOC is a user-friendly web based program that connects all lifesaving and lifeguard services on any device. The trialling of RPAS (Remote Piloted Aerial System) for surveillance and the use of emergency beacons and cameras are both examples of advancing technology that SLSQ will continue to factor into future planning for services.



Service Level Plan 2018 - 2022

In recent times a number of changes have been introduced to Lifeguard Service operations including the introduction of a North and South Region and more uniformed patrol hours. However further changes are required over time to achieve greater parity and meet specific demand and growth across the Sunshine Coast.

This Service Level Plan proposes actions that will guide operational activities for the coming Five years, particularly initially to address gaps in service delivery. The actions proposed respond to the immediate challenges facing the service in an efficient and responsible manner while maintaining beach safety standards on the Sunshine Coast.

Key Drivers

Tiered Service Levels

The previous service plan completed by council recommended the introduction of tiered service levels ranging from full time permanent locations to minimal seasonal locations. The allocation of beaches to tiers takes into consideration numerous indicators including beach conditions, usage, development, population, location, amenities, infrastructure, and demand. Beaches will be patrolled either by lifeguard service, surf lifesaving volunteers or a combination of both. In 2018 SLSQ recommend the continuation of the tiered system with the introduction of a Level 5 tier to accommodate beaches that are patrolled school holidays September to May. (Holiday services only) it is noted that this is not a true tier four beach and by adding the tier five it removes confusion.

This tiered service level system ensures that beaches of a similar nature will receive a consistent level of service.

- Level 1 - Patrolled all year - Major location
- Level 2 - Patrolled seven days September to May plus weekends, school & public holidays during winter.
- Level 3 - Patrolled Weekends, school and public holidays all year. Seasonal service
- Level 4 - Patrolled weekends, school & public holidays September to May. Minimal seasonal service
- Level 5 - Patrolled School Holidays September to May. (Holiday service only)

Five year statistics

Frontline lifeguards and lifesavers capture data through the SLSQ web based reporting system LIMSOC or, previous to this, through daily log books. This function allows SLSQ to collect key data or statistics on items such as rescues, attendance, and/or beach visitations including swimmers, board riders and beach population. Other key data items collected are first aid treatments, preventative actions and local government ordinances. Appendix 2 provides a detailed year-on-year statical overview. The key item that this data highlights is that over the past four year period on the Sunshine Coast, there has been an overall increase of 38% in total attendance numbers or an average increase of 9.5% per year in visitation to the beach. The statistics also highlight 518 rescues in 2016/17, reinforcing the key role that lifeguards continue to play when it comes to preventing fatalities and reducing other major incidents on the beach. It is also worth noting that 78% of these rescues occurred outside of the flagged areas, highlighting the importance of surf safety messaging, and the need for services to be flexible and able to respond to this concerning need.

Table 9: Five year beach attendance totals

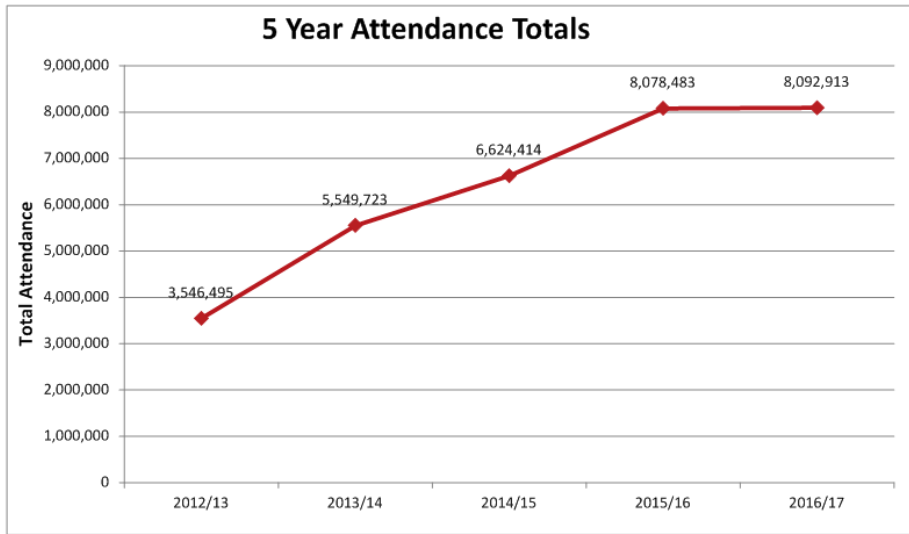
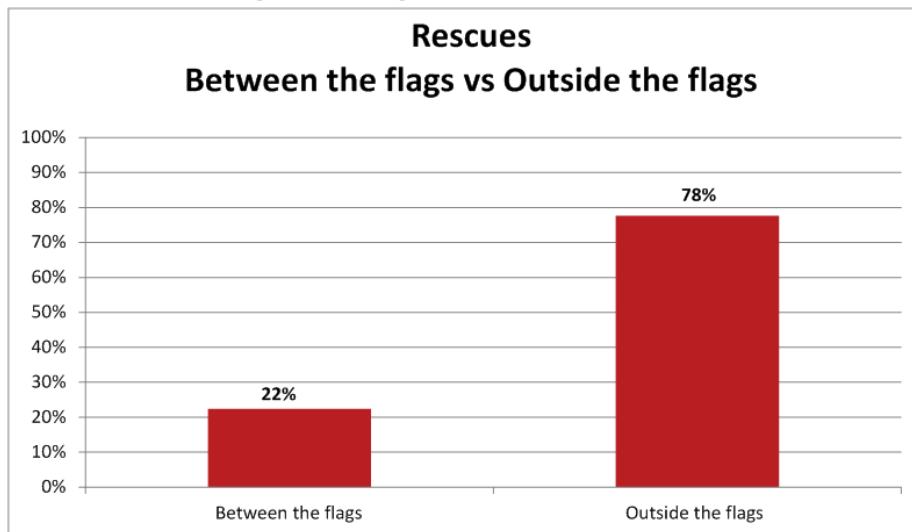


Table 10: Rescues between the flags vs outside the flags



Lifeguard Resourcing Levels

The resourcing or staffing levels currently in place are largely based on historic staff rosters that have been in place for some time. It is noted that as per Table 9 attendance has increased over the last five year period. This is consistent with feedback received from senior staff during the development of the plan who have suggested that they believe that visitation levels at beaches have continued to increase across the board. This is particularly evident at more popular beaches at times that used to be considered non peak periods. During this period there has been little or no increase in resourcing levels or consideration of the risk factors in relation to single person lifeguarding. The service plan considers these factors but overall aims to ensure that the staffing levels are at the optimum level for the delivery of service.

Peak Periods

Australians have a fascination with coastal living and the beach. This could be a multi-week break with the family during traditional school holidays, a getaway for a few days or a day trip up the coast. We continue to see an increase in visitation across the year which in turn has limitations on capacity for both parking and accommodation. This in turn, has a flow on effect to other beaches and other times of years. It is notable that many traditional family holiday visitors do come from interstate and locally during periods that align to private school holidays and other Australian state and territory school holiday periods. Peak periods are not specific to Queensland school holiday's periods. This is particularly more evident at the key beaches as highlighted in Appendix 3 for Kings Beach, Mooloolaba, Alexandra Headland, Maroochydore and Coolool in the weeks prior to the start of the traditional six weeks Queensland State School holiday period in Queensland.

Recommendation 1:

That lifeguard resourcing is increased to provide strengthened coverage across the peak period not just the traditional Queensland Christmas school holiday times. That lifeguard resourcing is increased by one person two weeks prior to the Queensland State schools holiday period at Kings Beach, Mooloolaba, Alexandra Headland, Maroochydore and Coolool Beaches. **\$20,501.06 commencing in 2019-2020**

Recommendation 2:

That lifeguard resourcing is increased during September, Christmas and Easter school holiday due to high demand across the full day during these peak periods at Kings Beach, Mooloolaba, Alexandra Headland, Maroochydore and Coolool Beaches. **\$40,468.09 commencing in 2020-2021**

Recommendation 3:

That lifeguard resourcing be increased to two lifeguards at Twin Waters during September, Christmas and Easter school holidays to provide greater coverage. **\$43,396.64 commencing in 2020-2021**

Expansion of services to cater for Growing community needs.

Monitoring the impact of community growth and change is an important factor in addressing the need of the community. There may be a change over time or a significant change at a point in time that effect the service level required. This may mean looking to add a whole new service, add more days to an existing service or to relocate an existing service to better suit the community need. Examples of areas where expansion of service may be required to cater for the community needs during the life of this plan are; Bokarina, Maroochydore River mouth and Moffatt Beach. It is important to remember that while community need and desire for service will always increase, that future options are looked at with consideration to the current services levels across the region.

Recommendation 4

That Currimundi beach is increased to Tier 3 service to be patrolled Weekends, school and public holidays all year. **\$55,676.81 commencing in 2018-2019**

Recommendation 5

That Discovery Beach is increased to Tier 1 service to be patrolled all year round (365 days). **\$37,770.18 commencing in 2019-2020. (Already funded by SLSQ)**

Recommendation 6

A lifeguard outpost to be based at Maroochy River mouth during Queensland school holidays periods. **\$49,355.07 commencing in 2020-2021**

Recommendation 7

That Bokarina Beach is established as a Tier 4 service. **\$163,394.47 commencing in 2020-2021.**

Risk Factors related to one person Lifeguard Sites

Many of the beaches on the Sunshine Coast have always been patrolled by a single Lifeguarded. As visitation or beachusers have increased, and are predicted to continue to increase as we move into the future, it raises many questions about what service level one person can provide to the community without putting the community or themselves at risk. The basic principle of the provision of lifeguard service is the mitigation of risk for the local government. It is important to recognise that the service itself is implemented in a way that does not bring about new risks that are can not be mitigated sufficiently for both Council and SLSQ. With the use of a risk mitigating approach the plan looks at a sustainable way to approach the risk factors related to one person lifeguard sites. The risk mitigation approach looks at roles and functions that a lifeguard completes, how other multiple patrol sites can work as a group to provide support and how solutions such as technology can assist in mitigating any risks. See Attachment 1 - Project risk register Sunshine Coast Lifesaving services plan 2018 – 2022.

Recommendation 8:

That Mooloolaba Spit is increased to two lifeguards from September – May. Resourcing to include internal lunch breaks for both Spit and Mooloolaba Main and provide additional support across the day to the shared between both beaches as required. **\$81,531.31 commencing in 2018-2019.**

Recommendation 9:

That Yaroomba Beach is increased to two lifeguards at all times the beach is open. **\$41,339.78 commencing in 2019-2020.**

Recommendation 10:

That Boardwalk is increased to two lifeguards at all times the beach is open. **\$69,365.93 commencing in 2019-2020.**

Recommendation 11:

That an additional lifeguard is implemented September to May shared between Marcoola Discovery, Twin Waters and Mudjimba. Resourcing to include internal lunch breaks and provide additional support across the day to beaches and roving as required. **\$68,063.51 commencing in 2019-2020.**

Recommendation 12:

That an additional lifeguard is implemented on winter weekends shared between Marcoola Discovery, Twin Waters and Mudjimba. Resourcing to include internal lunch breaks and provide additional support across the day to beaches and roving as required. **\$28,980.29 commencing in 2020- 2021**

Recommendation 13:

That Kawana Waters /Buddina is increased to two lifeguards at all times the beach is open. **\$79,746.49 commencing in 2021-2022.**

Future Directions

The actions outlined in this Service Plan will provide an equitable level of service and ongoing high level of beach safety along the Sunshine Coast over the coming five years.

Table 11: Proposed tiered service levels at 2018/2019

Tier	Patrol Beach/Area
Level 1	Kings Beach, Dicky Beach, Mooloolaba Main and Spit, Alexandra Headland, Maroochydore, Twin Waters, Mudjimba, Discovery Beach and Coolum (Coolum Resort not currently active)
Level 2	Bulcock, Marcoola, Buddina/Kawana, Coolum North*
Level 3	Currimundi
Level 4	Kings Beach Pool, Boardwalk, and Wurtulla
Level 5	Golden Beach, Yaroomba

*Does not currently include winter weekends



Table 12: SLSQ Services Plan – Sunshine Coast

SLSQ LIFESAVING SERVICES PLAN – SUNSHINE COAST 2017 – 2022										
BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
North Cooloom Beach	-Maintain current level of service		-Maintain current level of service		-Maintain current level of service		- Investigate the need for a winter week end service.		-Maintain current level of service	
Cooloom Beach	-Maintain current level of service		-Maintain current level of service		-Implement one additional lifeguard two weeks prior to the Queensland Christmas school holidays. 127.5 Hours	\$4,100.21	- Increased lifeguard staffing during Christmas School Holidays. (3.5hours per days in September, Christmas and Easter) 164.5 hours	\$8,093.82	- Review the need to provide a lunch shift during school holidays to maintain staffing across the full day.	
Yaroomba Beach	- Investigate the suitability of an Emergency Response beacon with Surf Safety Camera attached and determine the best location Yaroomba – Twin waters and implement as required. - Investigate the need for a lifeguard tower and implement outcomes of reviews. Consideration to be given to moving Palmer Resort Tower.		-Maintain current level of service		- Increase Lifeguards resourcing levels to provide for 2 lifeguards at all times beach is patrolled. 857 hours	\$41,339.78	-Review future development in area with consideration of Tier		-Maintain current level of service	
Palmer Resort Beach	Service not currently required – continue to monitor development in the area		-Continue to monitor development in the area		-Continue to monitor development in the area		-Continue to monitor development in the area		-Continue to monitor development in the area	

BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
Boardwalk	-Maintain current level of service - Investigate solar power or electricity for site.		-Maintain current level of service		--Increase Lifeguards resourcing levels to provide for 2 lifeguards at all times beach is patrolled.	\$69,365.93	-Maintain current level of service		-Maintain current level of service	
Marcoola	-Maintain current level of service		-Maintain current level of service.		- Implement additional LG September to May shared or roving between Marcoola Discovery, Twin Waters and Mudjimba. 1411 Hours	\$68,063.51	-Increase Lunch shift on winter week ends and school holidays to provide roving coverage. Marcoola – Twin Waters 589 hours	\$28,980.29	- Review effectiveness of LG September to May roving between Marcoola Discovery, Twin Waters and Mudjimba.	
Discovery Beach	- Increase service to 365 days - Develop a plan for Lifeguard storage facilities. - Review beach access at Discovery Beach - Investigate solar power or electricity for site.	No Cost To Council in the 2017 - 2018 Year	-Maintain current level of service.		- As above Implement additional LG September to May shared with Marcoola Discovery, Twin Waters and Mudjimba. 1411 Hours -Increase to Tier 1 service all year round (365 days) 783 hours	Included above in Marcoola \$37,770.18	- As above increase Lunch shift on winter week ends and school holidays to provide roving coverage. Marcoola – Twin Waters	Included above in Marcoola	-As above review effectiveness of LG September to May roving between Marcoola Discovery, Twin Waters and Mudjimba.	
Mudjimba	-Maintain current level of service		-Maintain current level of service.		-Maintain current level of service.		- As above increase Lunch shift on winter week ends and school holidays to provide roving coverage. Marcoola – Twin Waters.	Included above in Marcoola	- As above review effectiveness of LG September to May roving between Marcoola Discovery, Twin Waters and Mudjimba.	

BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
Twin Waters	-Maintain current level of service		-Maintain current level of service		- As above Implement additional LG September to May shared with Marcoola Discovery, Twin Waters and Mudjimba. 1411 Hours	Included above in Marcoola	- As above increase Lunch shift on winter week ends and school holidays to provide roving coverage. Marcoola – Twin Waters - Implement additional LG 7 days during September Christmas and Easter School holidays. 882 Hours	Included above in Marcoola \$43,396.64	- As above review effectiveness of LG September to May roving between Marcoola Discovery, Twin Waters and Mudjimba.	
Maroochydore River Mouth	- Maintain current additional LG roving during school holidays and club rovings weekends and public holidays September – May.		- Implement Emergency Response beacon with Surf Safety Camera attached.				- Implement outpost patrol in school holidays. 1003.3 Hours	\$49,355.07	- Investigate the need for a outpost patrol weekends and public holidays September – May. - Investigate the need for infrastructure to support service.	
Maroochydore	-Maintain current level of service.		-Maintain current level of service.		-Implement one additional lifeguard two weeks prior to the Queensland Christmas school holidays. 85 Hours	\$4,100.21	- Increased lifeguard staffing during Christmas School Holidays. (3.5hours per days in September, Christmas and Easter) 164.5 hours	\$8,093.82	- Review the need to provide a lunch shift during school holidays to maintain staffing across the full day.	
Alexandra Headland	-Maintain current level of service.		-Maintain current level of service.		-Implement one additional lifeguard two weeks prior to the Queensland Christmas school holidays. 8.5 Hours	\$4,100.21	- Increased lifeguard staffing during Christmas School Holidays. (3.5hours per days in September, Christmas and Easter) 164.5 hours	\$8,093.82	- Review the need to provide a lunch shift during school holidays to maintain staffing across the full day.	

BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
Mooloolaba	-Maintain current level of service.		-Maintain current level of service.		-Implement one additional lifeguard two weeks prior to the Queensland Christmas school holidays. 8.5 Hours	\$4,100.21	- Increased lifeguard staffing during Christmas School Holidays. (3.5hours per days in September, Christmas and Easter) 164.5 hours	\$8,093.82	- Review the need to provide a lunch shift during school holidays to maintain staffing across the full day.	
Mooloolaba Spit	-Maintain current level of service.		-Increased lifeguard resourcing to provide for 2 lifeguards weekdays September – May. Resourcing to include internal lunch breaks for both Spit and Mooloolaba Main and provide additional support to the shared between Mooloolaba. 1724 Hours	\$81,531.31	-Maintain current level of service.		-Maintain current level of service.		-Maintain current level of service.	
Kawana Waters / Buddina	-Maintain current level of service.		-Maintain current level of service.		-Maintain current level of service		-Maintain current level of service		- Increase Lifeguards resourcing levels to provide for 2 lifeguards at all times beach is patrolled. 1589 Hours	\$79,746.49
Bokarina Beach	Continue to monitor development progress in the area.		Continue to monitor development progress in the area.		Continue to monitor development progress in the area and plan for patrols in 20-21		-Introduce as Tier 4 & monitor requirement for Tier 3 level service. 2647 Hours * No allowance has been made for facilities.	\$130,239.12 (Labour) \$33,155.35 *(Equipment and consumables)	-Maintain current level of service	

BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
Wurtulla Beach	- Continue to monitor development progress in the area. - Investigate solar power or electricity for site.		-Maintain current level of service.		-Maintain current level of service		-Maintain current level of service.		-Maintain current level of service.	
Currimundi	-Maintain current level of service		-Implement a (Tier 3) service 1177 Hours	\$55,676.81	-Maintain current level of service		-Maintain current level of service.		-Maintain current level of service.	
Dicky Beach	-Maintain current level of service.		-Maintain current level of service.		-Maintain current level of service		-Maintain current level of service.		-Maintain current level of service.	
Moffat Beach	-Monitor location		-Assess the need for service level and implement. Emergency Response beacon with Surf Safety Camera attached or traditional school holiday service. -Collect data from camera or services and assess the need for on going service.		-Using data collected from previous year implement recommended service level.		-Maintain current level of service.		-Maintain current level of service.	
Kings Beach Pool	-Maintain current level of service.		-Maintain current level of service.		-Maintain current level of service		-Maintain current level of service.		-Maintain current level of service.	
Kings Beach (Met Caloundra)	-Maintain current level of service.		-Maintain current level of service.		-Implement one additional lifeguard two weeks prior to the Queensland Christmas school holidays. 85 Hours	\$4,100.21	- Increased lifeguard staffing during Christmas School Holidays. (3.5hours per days in September, Christmas and Easter) 164.5 hours	\$8,093.82	- Review the need to provide a lunch shift during school holidays to maintain staffing across the full day.	

BEACH	2017/2018		2018/2019		2019/2020		2020/2021		2021/2022	
	Priority/ Hours	\$\$	Priority/ Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$	Priority/Hours	\$\$
Happy Valley	-Monitor location		-Investigate the need for a Emergency Response beacon with Surf Safety Camera attached.		-Maintain current level of service.		-Maintain current level of service.		-Maintain current level of service.	
Bulcock Beach	-Maintain current levels of service		-Maintain current levels of service		-Maintain current level of service		-Investigate the need for a year round service at Bulcock Beach (365 days/year) & a 2 nd Lifeguard during Peak periods.		-Maintain current level of service	
Golden Beach	-Maintain current level of service -Monitor progress of Caloundra South development		-Maintain current level of service -Review service start finish times to establish if there is a need to align with other services.		-Maintain current level of service		-Maintain current level -Monitor progress of Caloundra South development to establish if any change in usage of this area warrants the introduction of a Tier 4 service or similar.		-Maintain current level of service	
	Total \$0		Total \$137,208.12		Total \$237,040.46		Total \$325,595.56		Total \$79,746.49	

*Costs are calculated using the 2017-18 hourly rates with a estimated 2% increase each year.



PROJECT RISK REGISTER: Sunshine Coast Lifesaving Services Plan 2018 -2022

Location	Current Status and Issues	Risk, Hazard or Issue Title	Risk Scenario or Outcome	Initial Risk Likelihood	Initial Risk Consequence	Initial Risk Rating	Proposed Changes on Risk Mitigation Strategies	Mitigated Risk Likelihood	Mitigated Risk Consequence	Mitigated Risk Rating	Mitigated Risk Acceptance or Tolerability Status	Recommendation Link
Coolum Beach	Increased visitations due to private school, interstate school holidays and general summer peak period. With no increase in lifeguard resourcing during this period.	High beach and Water populations in flags and surrounding areas little or no ability to provide a preventative response.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in lifeguard resources by one for the two week prior to the Queensland Christmas school holidays.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation One
Maroochydore	Increased visitations due to private school, interstate school holidays and general summer peak period. With no increase in lifeguard resourcing during this period.	High beach and Water populations in flags and surrounding areas little or no ability to provide a preventative response.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in lifeguard resources by one for the two week prior to the Queensland Christmas school holidays.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation One
Alexandra Headland	Increased visitations due to private school, interstate school holidays and general summer peak period. With no increase in lifeguard resourcing during this period.	High beach and Water populations in flags and surrounding areas little or no ability to provide a preventative response.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in lifeguard resources by one for the two week prior to the Queensland Christmas school holidays.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation One
Mooloolaba Beach	Increased visitations due to private school, interstate school holidays and general summer peak period. With no increase in lifeguard resourcing during this period.	High beach and Water populations in flags and surrounding areas little or no ability to provide a preventative response.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in lifeguard resources by one for the two week prior to the Queensland Christmas school holidays.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation One
Kings Beach	Increased visitations due to private school, interstate school holidays and general summer peak period. With no increase in lifeguard resourcing during this period.	High beach and Water populations in flags and surrounding areas little or no ability to provide a preventative response.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in lifeguard resources by one for the two week prior to the Queensland Christmas school holidays.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation One
Coolum Beach	Increased visitations across the whole day during Queensland school holidays periods.	High beach and water populations in flags and surrounding areas no ability to provide a preventative response. Fatigue of lifeguards due to increase response requirements	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing across the full period of the day for all school holidays September to May.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Two
Maroochydore	Increased visitations across the whole day during Queensland school holidays periods.	High beach and water populations in flags and surrounding areas no ability to provide a preventative response. Fatigue of lifeguards due to increase response requirements	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing across the full period of the day for all school holidays September to May.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Two
Alexandra Headland	Increased visitations across the whole day during Queensland school holidays periods.	High beach and water populations in flags and surrounding areas no ability to provide a preventative response. Fatigue of lifeguards due to increase response requirements	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing across the full period of the day for all school holidays September to May.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Two
Mooloolaba Beach	Increased visitations across the whole day during Queensland school holidays periods.	High beach and water populations in flags and surrounding areas no ability to provide a preventative response. Fatigue of lifeguards due to increase response requirements	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing across the full period of the day for all school holidays September to May.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Two
Kings Beach	Increased visitations across the whole day during Queensland school holidays periods.	High beach and water populations in flags and surrounding areas no ability to provide a preventative response. Fatigue of lifeguards due to increase response requirements	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing across the full period of the day for all school holidays September to May.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Two
Twin Waters	Tier 1 Beach that is currently a single lifeguard beach 365 days with greater beach and water populations during Queensland school holidays periods.	High beach and water populations During this period resulting in potential fatigue risk to staff and no ability to provide a response with out leaving multiple services unpatrolled. Lifeguards personal safety on beach if undertaking a rescue situation.	Serious injury to person, Fatality	Major	Unlikely	Medium 64	Increase in resourcing levels to 2 lifeguards with internal breaks during Queensland school holiday periods.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Three
Twin Waters	Tier 1 Beach that is currently a single lifeguard beach 365 days with greater beach and water populations during Queensland school holidays periods.	High beach and water populations in and out of flagged areas during Queensland School holiday periods resulting in general inability to provide service as contracted	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing levels to 2 lifeguards with internal breaks during Queensland school holiday periods.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Three
Currimundi	Service not provided for the winter week end period a very popular spot.	Service not provided for the winter week end period a very popular spot.	Serious injury to person, Fatality	Major	Possible	High 76	Service to be increased to a Tier Three Service	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Four
Discovery	Tier Two Service	No service during this period.	Serious injury to person, Fatality	Major	Possible	High 76	Service to be increased to a Tier One Service	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Five
Maroochy River Mouth	Identified as a hot spot continues to attract beach visitation to the area both residents and tourist. Currently no service at this location	With no service at this location, rescue capability is nil	Serious injury to person, Fatality	Major	Possible	High 76	New Tier 5 service	Major	Unlikely	Medium 64	Tolerable with periodic review	Recommendation Six
Bokorina	Identified as future service due to the development at this location	High beach and Water populations at development beach access and surrounding areas no ability to provide a preventative response with out service.	Serious injury to person, Fatality	Major	Possible	High 76	Implement Tier 4 Service and monitor requirement to deliver a greater level of service.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Seven
Mooloolaba Spit	Major location with only one lifeguard very limited ability for support from Mooloolaba Main .	High beach and water populations both in and out of the flags during this period resulting in general inability to provide service as contracted	Serious injury to person, Fatality	Major	Possible	High 76	Service to be increased to two lifeguards mid week September to May with second lifeguard also supporting Mooloolaba Main as required.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Eight
Yaroomba	Tier 5 beach that is isolated by distance from other beaches.	High beach and water populations During this period resulting in general inability to provide service as contracted	Serious injury to person, Fatality	Major	Possible	High 76	2nd lifeguard provides much needed support and increased active surveillance in the area.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Nine
Yaroomba	Tier 5 beach that is isolated by distance from other beaches single person lifeguarded.	High beach and water populations During this period resulting in potential fatigue risk to staff	Serious injury to person, Fatality	Major	Unlikely	Medium 64	2nd lifeguard to provide much needed support and increased active surveillance at flags and surrounding area.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Nine
Boardwalk	Tier 3 Beach that is isolated by distance from other beaches.	High beach and water populations During this period resulting in general inability to provide service as contracted	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing levels to 2 lifeguards with internal breaks.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Ten
Boardwalk	Tier 3 Beach that is isolated by distance from other beaches.	High beach and water populations During this period resulting in potential fatigue risk to staff	Serious injury to person, Fatality	Major	Unlikely	Medium 64	Increase in resourcing levels to 2 lifeguards with internal breaks.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Ten
Marcoola-Twin Waters	Current single lifeguard beaches across region Marcoola - Twin Waters during mid week operations September to May.	High beach and water populations both in flagged areas and out side of flagged areas during this period resulting in general inability to provide service as contracted.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing with the current lunch being increased to allow a rove lifeguard between Marcoola and Twin Waters providing additional support as needed. Current fleet resources available to assists with this.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Eleven
Marcoola-Twin Waters	Current single lifeguard beaches across region Marcoola - Twin Waters during winter week ends operations.	High beach and water populations both in flagged areas and out side of flagged areas during this period resulting in general inability to provide service as contracted.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing with the current lunch being increased to allow a rove lifeguard between Marcoola and Twin Waters providing additional support as needed. Current fleet resources available to assists with this.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Twelve
Kawana	Tier 2 Beach that is isolated by distance from other beaches.	Tier 2 Beach that is isolated by distance with single lifeguard operation out side of school holidays limiting the ability to provide a response and active surveillance in the area.	Serious injury to person, Fatality	Major	Possible	High 76	Increase in resourcing levels to 2 lifeguards with internal breaks.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Thirteen
Kawana	Tier 2 Beach that is isolated by distance from other beaches.	High beach and water populations During this period resulting in potential fatigue risk to staff	Serious injury to person, Fatality	Major	Unlikely	Medium 64	Increase in resourcing levels to 2 lifeguards with internal breaks.	Major	Rare	Low 60	Acceptable with periodic review	Recommendation Thirteen

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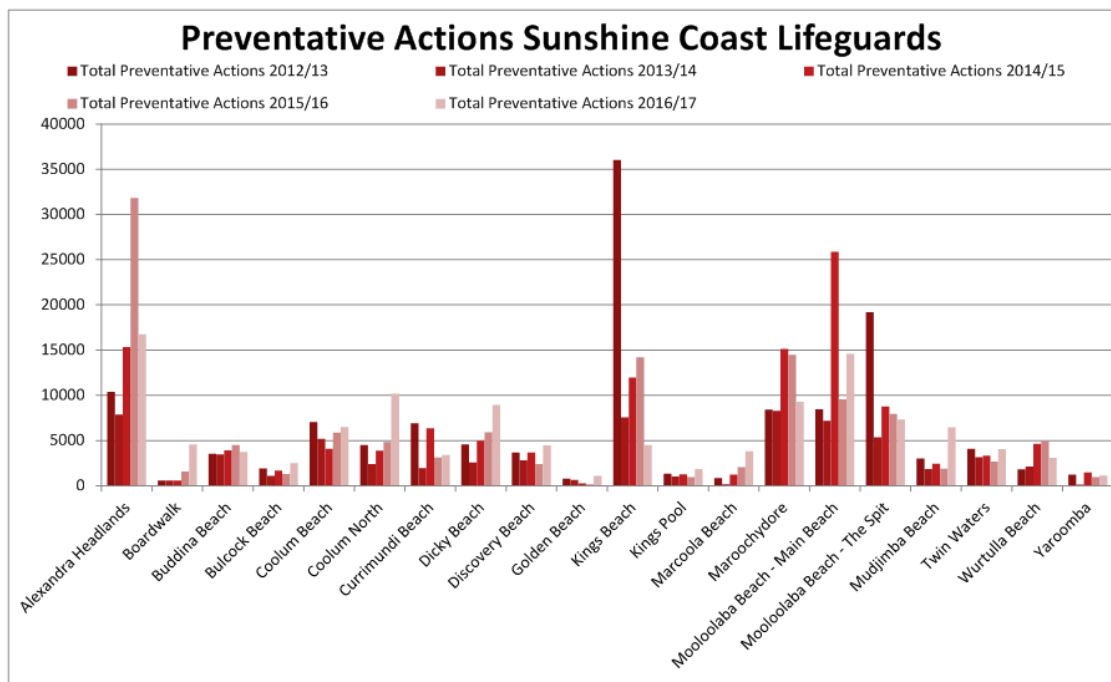
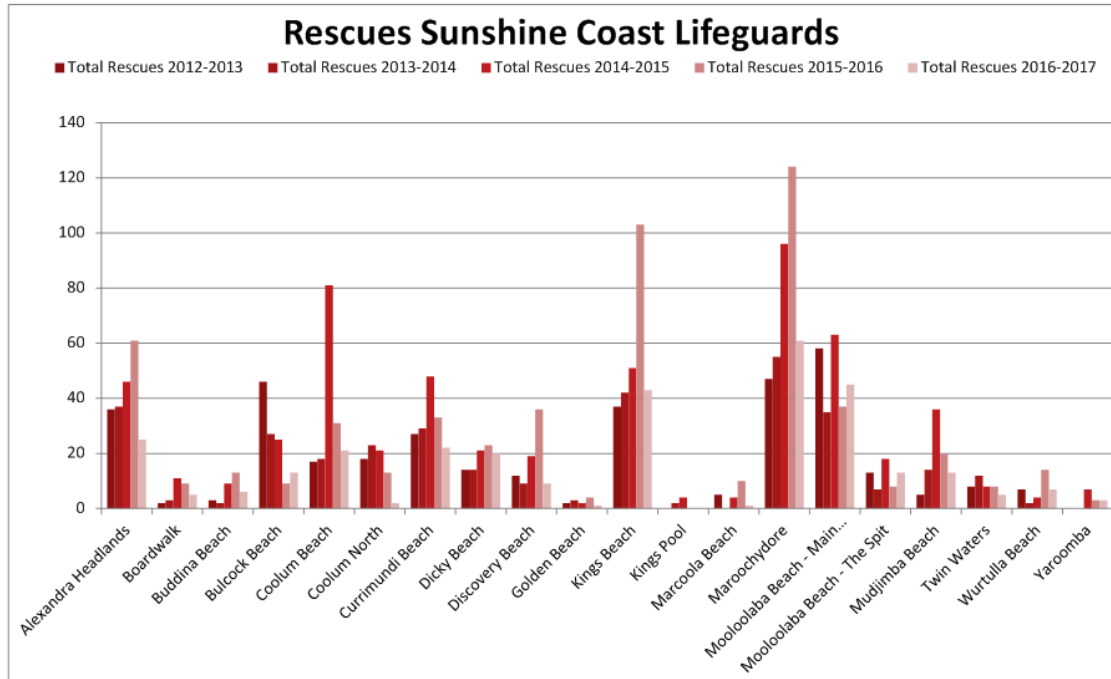
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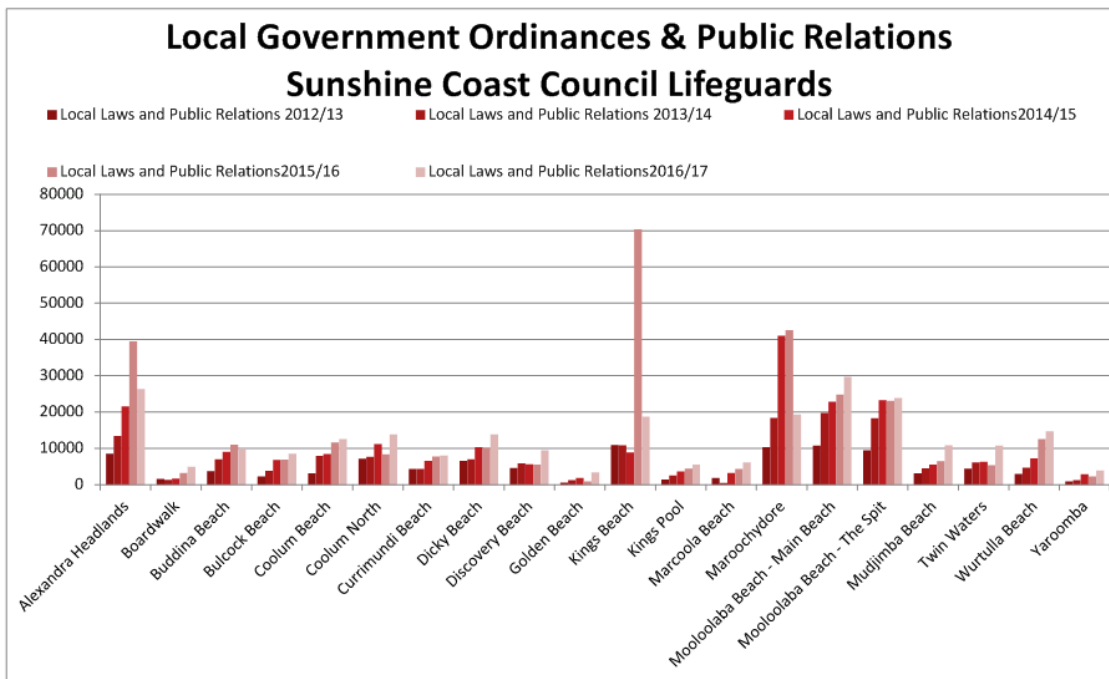
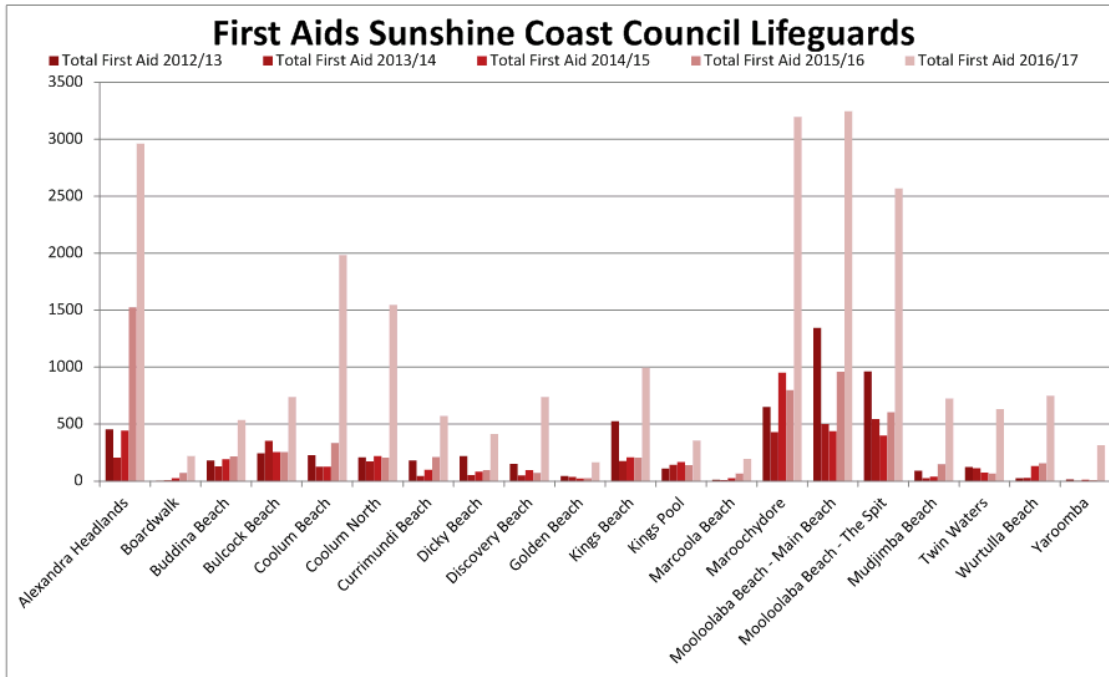
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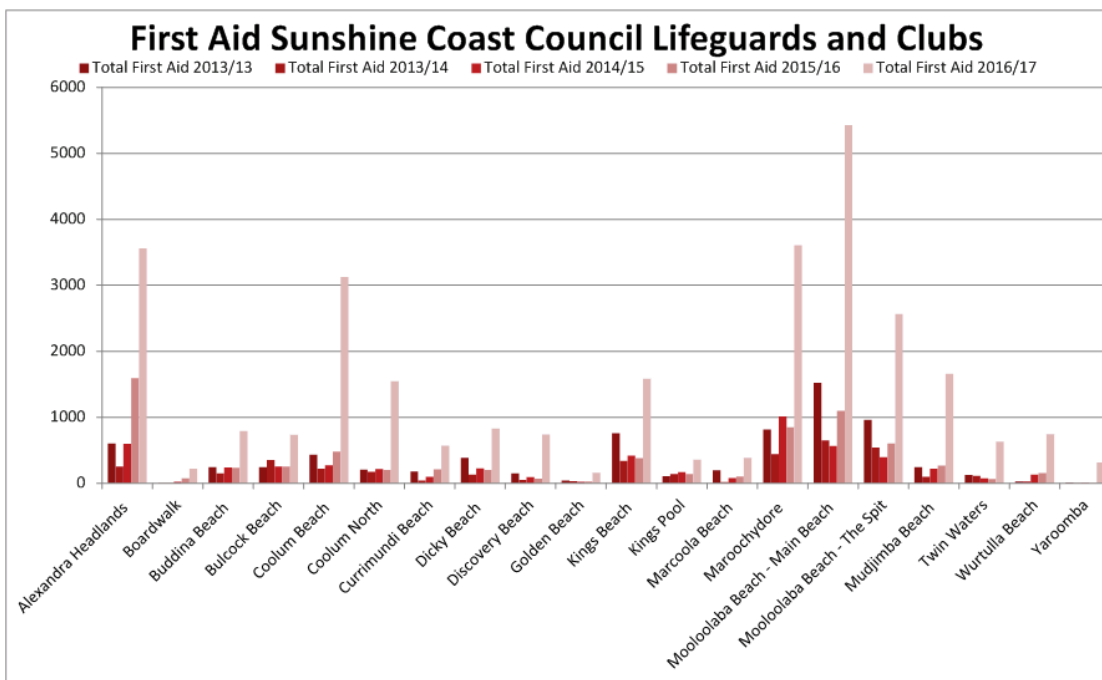
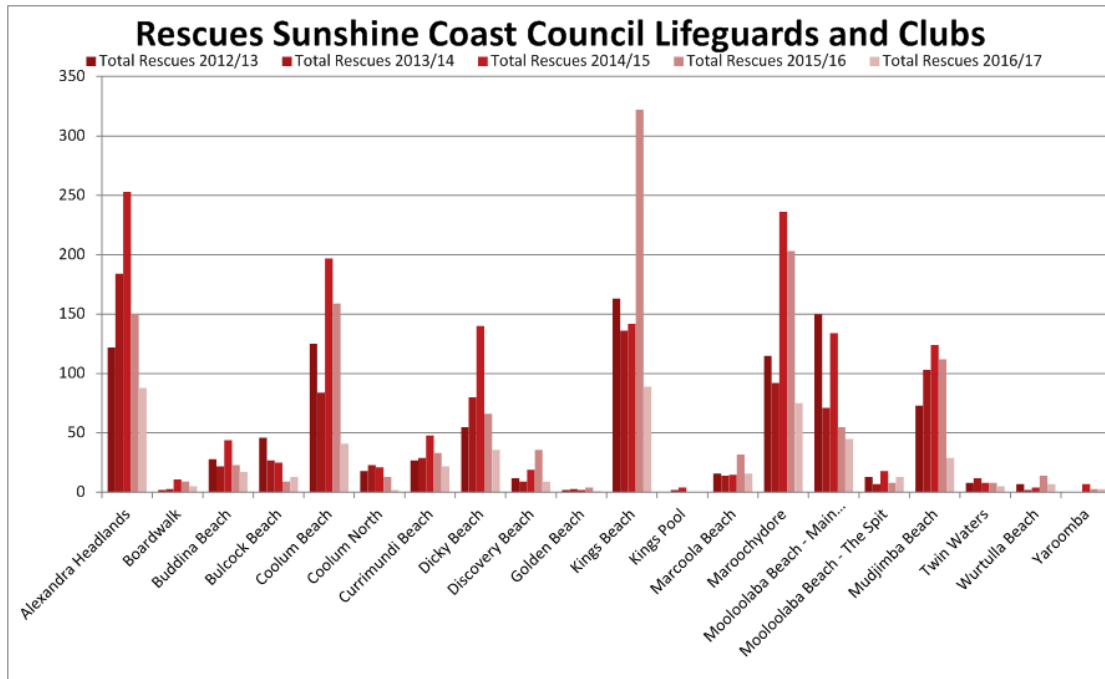
Appendix 1: Infrastructure

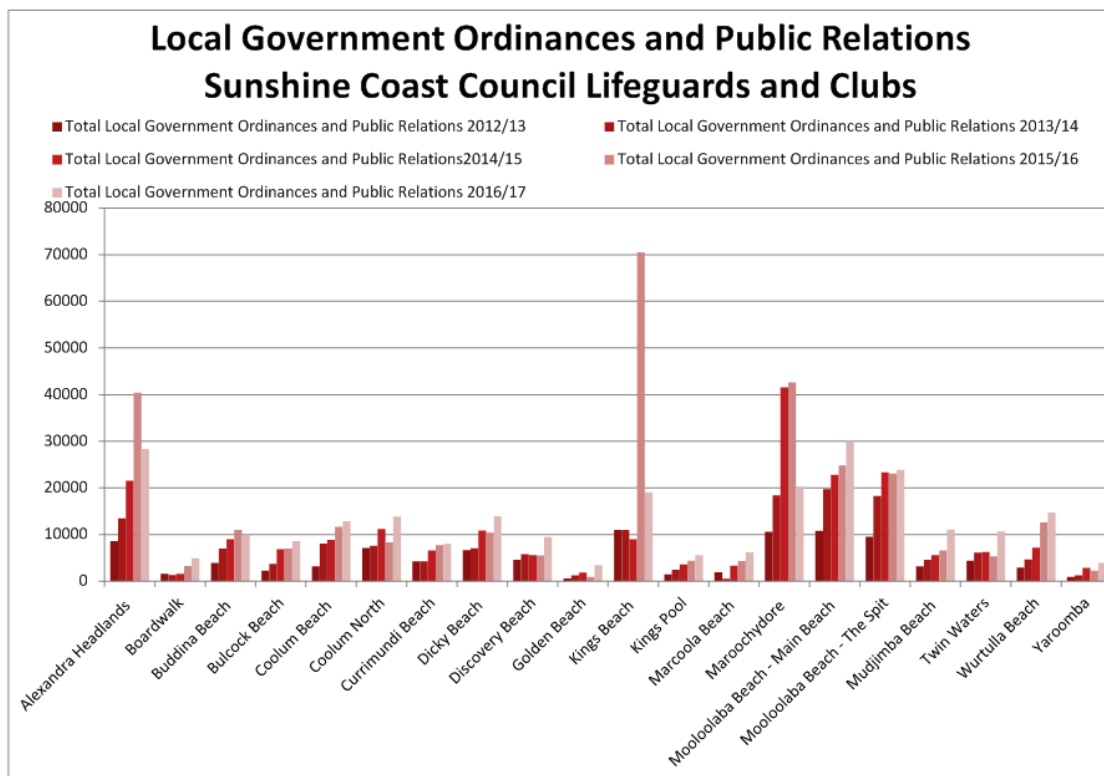
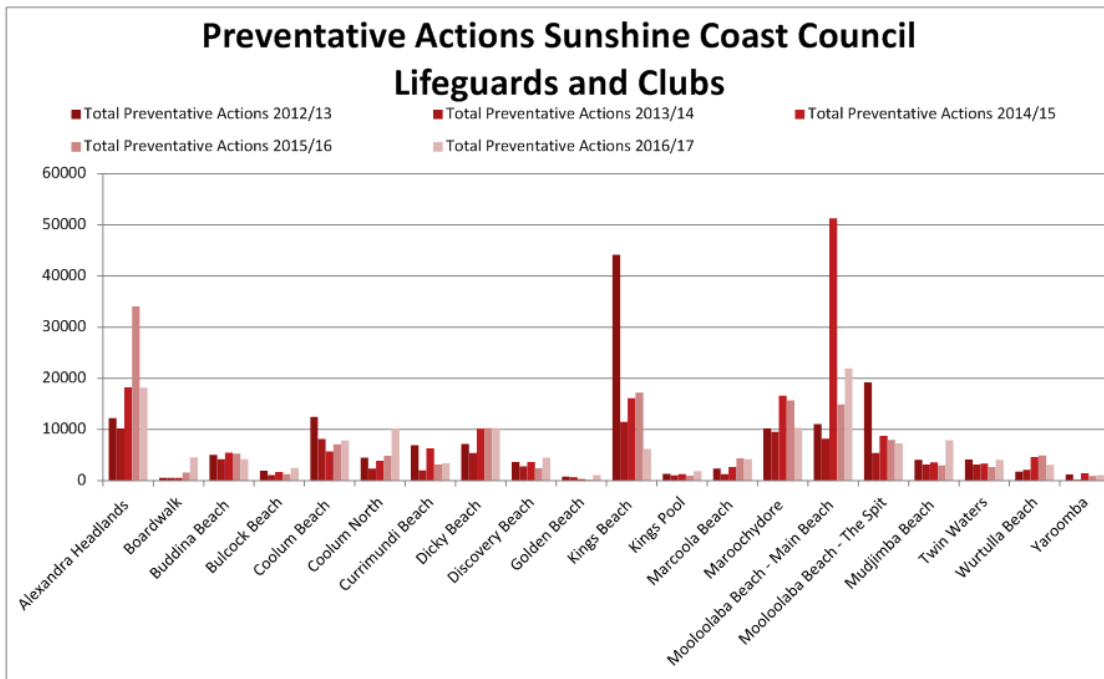
Location	Tower/Ownership	Storage/Ownership	Comment
Coolum North	Yes/Council	Yes/Council	
Coolum Beach	Yes/Council	No	
Yaroomba	No	No	
Palmer Coolum	Yes/Council	Yes/Council	
Boardwalk Tower	Yes	Yes/Leased facility	No vehicle access
Marcoola Tower	Yes/Surf Club	Yes/Shared with a club	
Discovery Beach	Yes/Council	Limited storage with local resort	
Mudjimba	Yes/Council	Yes/Shared with Club	Proposed new storage
Twin Waters	Yes/Council	Yes/Council	Lifeguard HQ. Twin Waters
Maroochydore	Yes/Council	Yes/Council	
Alexandra Headland	Yes/Council	Yes/Council	
Mooloolaba Main	Yes/Shared	Yes/Council	
Mooloolaba Spit	Yes/Council	No	Uses Mooloolaba Main storage
Buddina/Kawana	Yes/Council	Yes/Council	Storage in Tower
Wurtulla Tower	Yes/Council	No	
Currimundi Tower	Yes/Council	No	
Dicky Beach	Yes/Council	Yes/Council	
Kings Beach	Yes/Council	Yes/Council	South Region Lifeguard HQ.
Ithaca – Bulcock	Yes/Council	Very limited shared with club	
Golden Beach	Yes/Council	Yes/Council	

Appendix 2: 5 Year Comparison Graphs









Appendix 3: Daily Beach Attendance Statistics

