

Date: 19 April 2021

135 Abbott Street Cairns QLD 4870 T +61 7 4031 1336

The Chief Executive Officer Douglas Shire Council PO Box 723 Mossman QLD 4873

Attn: Mr Neil Beck

Dear Neil,

Proposed Staged Integrated Development – 5640 Captain Cook Highway, Mowbray Request for Pre-lodgement Meeting

RPS, on behalf of Graben Pty Ltd (the 'applicant'), request a pre-lodgement meeting with Council officers with respect to the staged integrated development of a Wave Park and associated development on land located at 5640 Captain Cook Highway, Mowbray, with the intent of determining Council's support for the future development. The subject site is more formally described as Lot 123 on SR687, which comprises a total area of 40.22 hectares and has legal road frontage to the Captain Cook Highway.

The subject site is currently developed as a cane farm and is located within the 'Rural' Zone under the Douglas Shire Planning Scheme 2018.

We note that informal pre-lodgement discussions have been held with Council officers, with those officers recommending that we seek formal pre-lodgement advice from Council in relation several broader-scale issues associated with the proposed development before proceeding with formal lodgement of a Development Application.

A broad-scale overview of the project, and those issue upon which we seek feedback, are as follows:

1.0 PROJECT OVERVIEW

The proponent – Mr David Imgraben – a long term local resident and businessman, seeks to establish an integrated development centred upon a wave park, with a range of ancillary and associated component uses intended to complimentary but subordinate to the primary use. As such, it is intended that Surf Port Douglas will evolve into a major social, economic and financial investment, which is within close proximity to the major tourist centre of Port Douglas. The proposed development is to be subject of master planning that will guide the development over the anticipated two (2) year construction period and subsequent operation of the facility.

The proposed staged development involves the following component uses being considered for the subject site, including, but not limited to:

- A wave park, comprising a large pool structure and state of the art equipment able to generate artificial waves suitable for a wide range of skill levels, from beginner through to expert levels,
- Ancillary outdoor water-based recreational facilities including a freshwater swimming lagoon and waterpark;
- An hotel complex, comprising circa 150 room short-term accommodations units; intended to provide short-term accommodation opportunities for users of the wave park,

- A village precinct, comprising shops, food and drink outlets; to provide on-site services to guests and visitors
- A self-contained housing precinct, comprising multiple dwellings (Low-medium density circa 36 lots and Medium Density residential areas; intended to provide opportunities for longer-stay guests attracted to the wave park
- A tourist park, comprising self-contained cabins (circa 35 cabins); again, intended to provide budgetlevel accommodation for visitors and guests to the wave park, as well as visitors utilising the adjoining Wangetti Track facility,
- A helipad;
- An on-site effluent treatment facility; and
- A Caretaker's residence.

Copies of a number of concept plans which provide detail of the proposed development, prepared by Hunt Design, are attached for reference as Annexure 1 to this submission.

To date, the Study Team led by Hunt Design has undertaken detailed analysis of a broad range of site issues considered relevant to the proposed development, including economic analysis of project costs and benefits, environmental and engineering constraints and opportunities, agricultural land suitability assessment, site flooding, access and service provision. The results of these studies and assessment, which will form an integral part of the formal development application once submitted to Council, have been used to inform and guide the concept design and layout of the proposed development, to ensure that there are minimal site impacts and that, where there are impacts, any such impacts are mitigated.

Perhaps of most significance at this stage of the application process are the findings of the Economic Analysis, undertaken by RPS Economists, which has concluded: -

- The construction phase of the project, at an estimated cost of \$317.3M, will generate:
 - 1,247 full time equivalent jobs, of which 453 will be direct (i.e. on site), and 794 indirect (i.e. supply chain), and
 - generate \$117.5M in wages over the two m year construction period, the majority of which will go to regional residents.
- Upon commencement of operations, the project will;
 - attract 128,680 visitor nights to the facility;
 - generate \$79.2M direct expenditure into the region,
 - generate an estimated 740 full time jobs per annum, 644 as direct and 96 indirect jobs, and
 - generate \$36m annually in wages and salaries, mainly for local residents.

A full copy of this Economic Analysis Report is provided for reference as Annexure 2 to this submission.

2.0 REQUEST FOR PRE-LODGEMENT FEEDBACK.

As noted above, it was recommended during preliminary meetings and discussions with Council officers that we seek feedback from Council in relation to several broad-scale issues that are considered to be primary matters for Council consideration during the development assessment process, as follows:

2.1 Site Selection.

Officers have sought advice to support selection of the proposed site for the proposed development, being upon a parcel of rural land fronting the southern bank of the Mowbray River, which is outside existing and likely future residential areas. There are several factors that have been taken into consideration when selecting this site, which can be summarised as follows: -

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2.1.1 PROXIMITY AND ACCESS TO THE MOWBRAY RIVER

Long term access to a reliable supply of water to service the requirements of the proposed development, especially for "top up" of the extensive water-based facilities upon which the operation of the proposed development will be dependent, was a primary consideration. Investigations to date indicate that the development can, in the short-to-medium term, rely upon a combination of water sources, including connection to Council's reticulated network, harvesting and treatment of stormwater and re-use of treated effluent for use in landscaping. However, there are concerns that, in the longer term, as demands upon Council's limited reticulation supply associated with future residential development in other areas within the Shire place increased pressure on the Council supply, access to sufficient quantities of water may become an issue and impose restrictions upon the on-going operation of the proposed development. This is especially so in drier periods, when flows within the Mossman River, and from stormwater harvest, reduce.

In order to provide a "safety net" to the project in such times, access to a potential alternative supply source would become critical. It has been identified that the Mowbray River is the most viable solution to this issue, given projected difficulties in sourcing sufficient volumes from alternative sources, such as bore sources.

We acknowledge that any future proposal to source water from the Mowbray will require a range of additional approvals relating to issues such as tenure, use of Crown land and licencing to draw water from the Mowbray, and commit that we would, should the need arise, pursue those approvals prior to any extraction occurring. However, as the current proposal is not reliant upon this source, it is not intended to seek these approvals as part of the pending Development Application – the project simply needs access to this POTENTIAL water source should a future need arise.

2.1.2 ALTERNATE SITE AVAILABILITY

In the initial investigation phase for the proposed development, it is understood that the proponent conducted extensive investigations into the availability of a site of sufficient area and in relative proximity to Port Douglas township able to accommodate to proposed development, and these investigations failed to identify any alternative available sites able to meet the spatial requirements of the proposed development.

2.1.3 AVOIDANCE OF CONFLICT

The question has been asked as to why this site should be considered more appropriate than potential alternate sites that may be or become available within existing or likely future urban areas. One of several reasons is that there are minimal potential adverse impacts upon adjoining and surrounding properties associated with the proposed site when compared to alternate sites within the urban area. The nature of the proposed development is such that its operation has the potential to have some adverse impacts upon residential amenity if located within an urban area, including impacts associated with traffic (volumes and noise), noise (from people enjoying the facilities within the development) and lighting (associated with potential night time operations).

If the development were located within or adjacent to an urban area, these impacts would have the potential to create adverse impacts upon amenity values within adjoining and surrounding residential areas.

By contrast, the subject site is isolated from and separated from potentially sensitive areas by physical features, including the Mowbray River and Captain Cook Highway, as well as distance. As a result, whilst remaining in relatively close proximity to the township area, the site is sufficiently separated and buffered from sensitive receptor areas as to negate any potential adverse impacts.

2.1.4 UTILISATION OF EXISTING OR FUTURE URBAN LAND

During the preliminary discussions with Council officers, it was indicated that consideration should be given to the potential to locate the proposed development within the area to the west of Craiglie that has been designated by Council as a Residential Investigation Area. Our understanding is that this area is intended to accommodate long term urban expansion of the Port Douglas urban area, as stocks of available land within Port Douglas get taken up.

Our investigations reveal that there is approximately 120 hectares of land available within this area. Further, concept plans for the proposed development reveal that in the order of 30 hectares of this land, or 25% of available area, would be required to accommodate the proposed development.

Building upon the factors outlined above, location of the proposed development within this area would not only give rise to potential long-term conflicts between the proposed development and future residential land uses, "sterilisation" of such a significant proportion of land set aside for future urban expansion is likely to result in the under-utilisation of this area and the "bringing forward" of pressure for alternate urban expansion areas, whereas use of the subject site as proposed will negate the potential for long term conflicts and allow maximum utilisation of the designated urban expansion area.

2.1.5 SAFETY AND AVOIDANCE OF POTENTIAL TRAFFIC CONFLICTS

The location of the subject site, on the eastern side of the Captain Cook Highway and adjacent the proposed Wangetti Trail, will enable visitors to the facility from the Port Douglas township – both tourists and local alike, and particularly children – wanting to access the site via means of pedestrian/cycle/e-scooter movements to travel via existing/proposed pedestrian/cycle networks. This will negate the need to cross the Captain Cook Highway, and thus avoid potential conflicts with vehicles using the highway, where speed limits are in the range of 70-100 Kph.

By contrast, any potential alternate sites for the development, especially within the Residential Investigation Area, are located on the western side of the highway and would by necessity require any pedestrian/cycle/escooter visitation to cross the highway, in circumstances where there are no protected pedestrian crossing points. This is considered to be a significant and important factor, especially where organised groups of local children – e.g. nippers/surf life savers – may be attracted to the facility on a regular basis for training purposes.

2.2 Provision of services.

As alluded to above, it is proposed that the subject development will be generally self-reliant in terms of service provision. It is proposed that:

- there will be no connection to Council's reticulated sewer network. Rather, all effluent will be collected
 and treated on-site to an advanced secondary quality. Treated water will be utilised for irrigation of
 gardens and rehabilitated landscapes.
- the majority of electrical demand will be serviced via utilisation of on-site solar generation and battery storage, with back-up supply to be provided via a combination of connection to the grid and on-site generator(s);
- Preliminary advice from Mr Peter Tonkes, Douglas Shire Council (Council), indicates that the initial fill of
 the water bodies could be supplied from the Council potable water network with a few conditions. It would
 have to occur during the wet season with an anticipated supply up to 4MI per day. Daily water make up
 (440kl) would also be possible during the 9 months of the wet season unless creek levels at the intake
 fall and water restrictions have to be put in place;
- Alternative water sources have been investigated and include rainwater harvesting, Bore/Spring water & extraction from the Mowbray or ocean; and
- The development proposes an on-site reservoir of 50Ml. This reservoir is sufficient to be able to hold enough water to compensate for operational use and evaporation losses for a period of nine (9) months in the worst of dry seasons. GHD has provided a water balance for the worst-case scenario. We have also engaged H2O consultants and Turbid Water Solutions to provide advice on treating different water sources for re-use on site. As discussed in 2.1 Site Selection, the proximity to the river allows for connection to another source. We believe that purchasing the water directly via Council in the first instance provides mutual benefits. It will result in an initial income of over \$200,000 for Council and provide the development with a water source that would require minimal treatment to become operational.

2.3 Proposed Form of Development Application / Approval

Following receipt of preliminary feedback from Council Planning Officers, it is proposed that, rather than seek an amendment to the Planning Scheme to facilitate the proposed development, via either a change of zoning and/or introduction of a Local Plan-style amendment, we will simply seek the following development approvals:

- Development Permit for Material Change of Use for (Outdoor Sport and Recreation, Short-term Accommodation, Dwelling House, Multiple Dwelling, Food and Drink Outlet, Shop, Tourist Park, Air services and Caretaker's Accommodation); and
- Development Permit for Material Change of Use for Environmentally Relevant Activity (ERA 63 Sewerage Treatment).

Accordingly, we are proposing that a Material Change of Use Development Application will be made to facilitate development in accordance with a supporting Plan of Development. The intent of the Plan of Development will identify various development precincts within the subject site and to establish broad-scale development requirements for each of the identified development precincts. The benefit of this form of application is that it will not only provide a degree of flexibility for development to occur within the parameters established via the Plan of Development, but also it will not alter underlying zoning of the land and the existing land use options will remain. This will avoid the potential detriment that would be associated with a change of zoning and the creation of a residual and/or on-going approval, which could create long-term problems should the approved development not proceed for some reason. Under the proposed approval format, should development not proceed in accordance with the approval, ongoing use of the land would remain governed by the Planning Scheme provisions applicable now and under the continuing Rural zoning of the land.

3.0 SUMMARY

In summary, the proponent is seeking approval for a significant tourism venture that will not only provide opportunities to the existing tourist base currently attracted to the regional, but is also expected to attract a section of the tourist market to the region which is unlikely to be attracted to the region at the moment – that being the surfing fraternity looking for opportunities to pursue their passion for surfing/board riding etc.

The project will require a major economic investment in the area and will give rise to significant benefits to the community, both during the construction and operational phases, as a result of increased employment and other flow-on impacts that will be generated.

The nature of the use is such that it requires a site with somewhat unique characteristics – it needs to be in relatively close proximity to the major tourist centre of Port Douglas, but at the same time is not compatible with many existing or future urban uses, especially those of a residential nature, due to the potential for operational conflicts relating to noise, traffic and lighting.

At the same time, the operation of the development is heavily dependent upon access to an appropriate water supply, given the reliance of the primary elements of the development – i.e., the wave park and lagoon/water-based recreational facilities – upon water.

The proposed site satisfies all of these locational criteria, in a way not able to be achieved by any alternative sites that have been able to be identified to date.

Based upon these considerations, we suggest that "in principle" support for the project now will not only provide the proponent a degree of confidence to move forward with the project, but will also provide a demonstration of support to the broader tourism sector in the region. Accordingly, we seek this support from Council, and confirm our willingness to provide any further information that may assist Council in its consideration of this request.

RPS Australia East Pty Ltd. Registered in Australia No. 44 140 292 762

We look forward to continuing working with you on this development. In the meantime, if you have any queries, please contact the undersigned.

Yours sincerely,

for RPS Australia East Pty Ltd

Owen Dalton

Principal Planner

owen.dalton@rpsgroup.com.au

+61 4276 1028

cc: Gary Hunt – Hunt Design

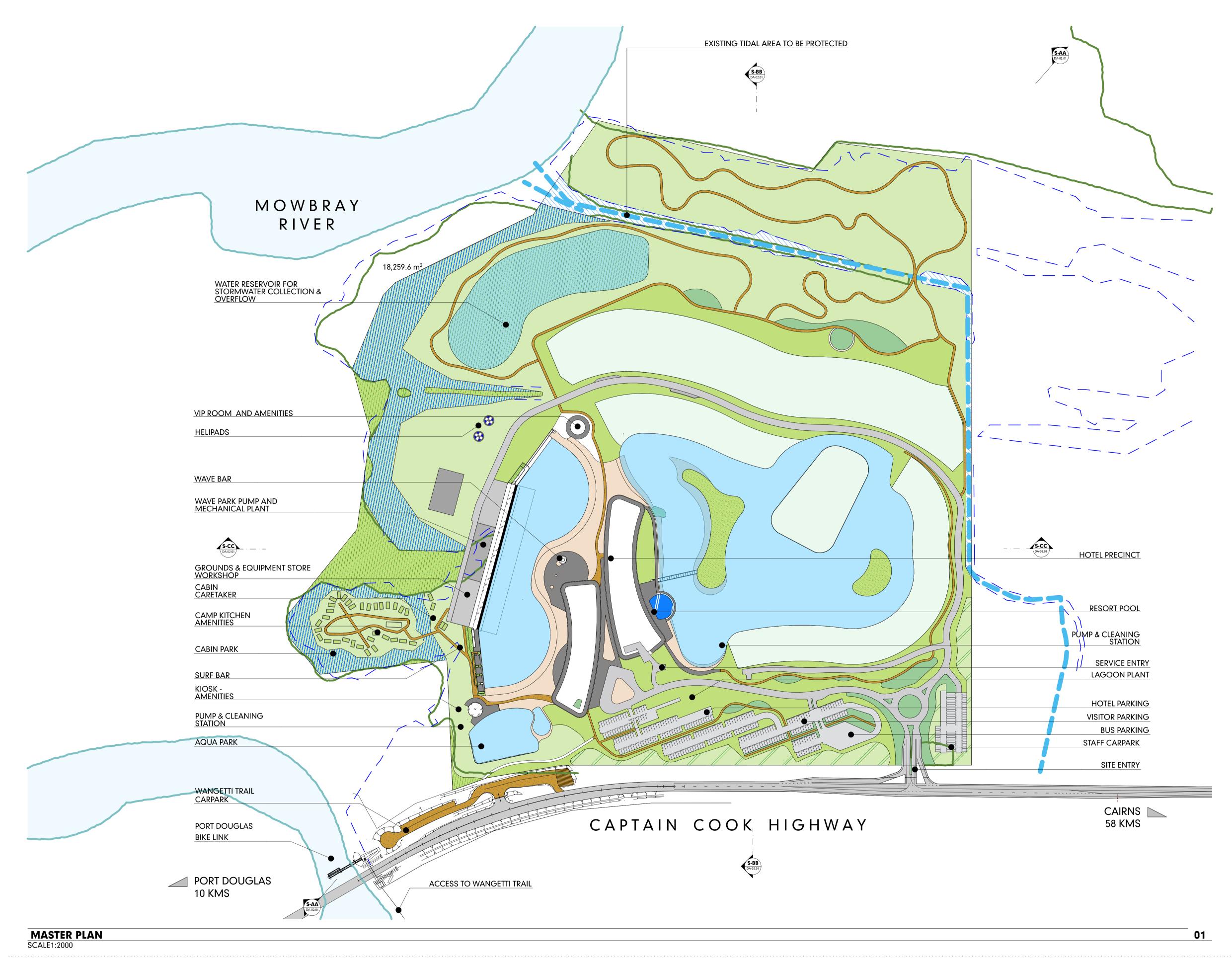
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enc Attachment 1: Architectural Plans

Attachment 2: Economic Assessment Report

Attachment 1:

Architectural Plans



PORT DOUGLAS SURF PARK PRELIMINARY ISSUE

DEVELOPMENT APPLICATION FOR: GRABEN PTY LTD 5640 CAPTAIN COOK HIGHWAY CRAIGLEE, QLD, AUST MASTER PLAN DIAGRAMS
MASTER PLAN

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DA-01.6



PORT DOUGLAS SURF PARK PRELIMINARY ISSUE

DEVELOPMENT APPLICATION FOR: GRABEN PTY LTD **5640 CAPTAIN COOK HIGHWAY** CRAIGLEE, QLD, AUST

MASTER PLAN DIAGRAMS SITE - RESIDENTIAL AREA PLAN

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RESIDENTIAL AREAS

LOW-MEDIUM DENSITY RESIDENTIAL

MEDIUM DENSITY RESIDENTIAL

SURF CAMP

SURF CAMP

AREA

37,921

21,059

AREA

10,553

10,553 m²

58,980 m²

DA-01.11

Attachment 2:

Economic Assessment Report



SURF PORT DOUGLAS

Economic Assessment



Docume	ent status				
Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
V1.0	Exposure Draft	WO	WO	WO	15 Mar 2021

Approval for issue William Owen 15 March 2021

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Prepared by: Prepared for: **RPS Hunt Design** William Owen **Technical Director - Economics** PO Box 1048, Robina, QLD, 4230 291 Mowbray River Road Lakeside Corporate Space, Suite 425 Mowbray, QLD, 4877 Level 2, 34-38 Glenferrie Drive Robina, QLD, 4226 +61 7 5553 6900 07 4099 0300 william.owen@rpsgroup.com.au W www.huntdesign.com.au

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1 SUMMARY

1.1 Introduction

Surf Port Douglas is intended to be a major social, economic and financial investment and is located in proximity to the high profile tourist destination of Port Douglas. The site is the subject of a master plan that will guide development over the two year construction period and subsequent operation. The proposal will include:

- Accommodation consisting of a 4.5 star resort, holiday cabins and serviced apartments.
- Hotel style facilities including dining, spa, conferences and functions.
- A large surfing wave pool capable of catering to a variety of skill levels.
- A large lagoon with water and land based facilities to cater to children and people not using the wave pool.
- Food and beverage facilities for people using the wave pool and lagoon.

The proposed inclusions and operational assumptions are detailed in Appendix A- Assumptions.

Surf Port Douglas will primarily cater to the tropical north Queensland surf market, with attendees expected to include day-trippers, regional residents, domestic tourists and international tourists. Surfing in this part of Queensland is more problematic than in other parts of the state as surfers must travel off-shore as the Great Barrier Reef blocks coastal wave action, and the region does not have any true surf beaches. Surf Port Douglas has the potential to cater to locals and tourists who will pay for an experience that cannot be obtained elsewhere in the region in a tropical environment that is more comfortable than winter surfing in the southern parts of Australia.

1.2 Economic Assessment

1.2.1 Construction

- The budget for the construction phase is estimated to be \$317.3m. This includes site preparation
 works, civil works, professional services and the construction of the hotel, residential, lagoons and wave
 pool.
- The construction phase will create a total of 1,247 FTE¹ (full time equivalent) jobs. Of this, 453 are direct jobs (mainly on-site), and 794 are indirect type 1 (typically supply chain) jobs.
- The total of 1,247 FTE equates to an average of 623.5 FTE per annum for the two year construction period.
- Total wages and salaries are estimated to be \$117.5m (\$58.75m per annum).
- Almost all of the employment will be taken up by residents of the region with some specialist skills, equipment and other inputs (notably the wave pool) imported to Far North Queensland.

1.2.2 Operation

- Surf Port Douglas projected to host 128,680 visitor nights annually across all types of accommodation.
- Visitors and guests of Surf Port Douglas are projected to generate a direct expenditure of \$79.2m per year,
- The operational phase will generate an estimated 740 FTE jobs per annum. Of this, 644 are direct jobs, and 96 are indirect type 1 (supply chain) jobs². The direct jobs include the estimated 400 to 450 on-site FTE that includes employees of the hotel, wave pool, retail, and food and beverage. The balance of off-

¹ Direct and Indirect Type 1

² All ongoing (direct and indirect type 1) jobs can be sourced from within the local region.

site employment will be supported by the expenditure of visitors and guests and will be distributed throughout the region.

• The total annual wages and salaries are valued to be \$36m and will be mainly directed to the retail and hospitality sectors.

1.3 Current Use

The subject site has a negligible economic function with a modest annual production of about 1,400 tonnes of sugar cane and a minimal employment output of 0.1FTE. The loss of production from the subject site will not materially affect the viability or operations of the Mossman Mill. The 0.22% contribution to the crush of the mill is well within the 5% to 10% variation in the total volume that can be attributed to typical weather events.

1.4 Relationship with Port Douglas

The development of Surf Port Douglas will have a beneficial impact on the retailers and service providers located in the local area of Port Douglas. Tourists and visitors to Surf Port Douglas are projected to generate \$37.3m of annual retail and food/beverage expenditure. This is expected to be distributed between the subject site and businesses located in Port Douglas.

1.5 Conclusion

The proposed development at Surf Port Douglas has the potential to create a precinct of regional and state importance. The development of a wave pool, hotel and associated facilities will expand the appeal of the Cairns region as a tourist destination. It will be an important regional partner for ongoing marketing and branding activities. These facilities will also provide the opportunity to cater to a diverse range of target markets, including international tourists, domestic tourists, groups and budget travellers.

Developing a resort with associated specialised surf facilities will provide additional capacity to not only attract new tourists to the region but provide the opportunity for repeat patronage.

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2 INTRODUCTION

This report has been prepared in response to a request by Hunt Design. The purpose of this report is to prepare a social and economic evaluation of the proposed Surf Port Douglas development located on the Captain Cook Highway at Mowbray. The subject site is located to the south of the Mowbray River, approximately 9.4Km to the south of the Port Douglas town centre.

2.1 Background

It is proposed to develop a unified resort and recreation destination that caters to tourists, day-trippers and regional residents.

Surf Port Douglas is intended to be a major social, economic and financial investment and is located in proximity to the high profile tourist destination of Port Douglas. The site is the subject of a master plan that will guide development over the two year construction period and subsequent operation. The proposal will include:

- Accommodation consisting of a 4.5 star resort, holiday cabins and serviced apartments.
- Hotel style facilities including dining, spa, conferences and functions.
- A large surfing wave pool capable of catering to a variety of skill levels.
- A large lagoon with water and land based facilities to cater to children and people not using the wave pool.
- Food and beverage facilities for people using the wave pool and lagoon.

The proposed inclusions and operational assumptions are detailed in Appendix A- Assumptions.

Large wave pools are new introductions in Australia, with the only local example in operation being UrbanSurf located at Tullamarine, Melbourne, Victoria³.

The operational assumptions have been provided by Hunt Design. RPS does not have a position on the viability or feasibility of the proposal. RPS's role has been to conduct an economic evaluation based on the provided data and assumptions.

2.2 Context

The Cairns region⁴ is projected to have a population of 263,200 in 2021⁵, and this accounts for 5.0% of the Queensland population. The population is projected to increase to around 340,000 people by 2041⁶. RPS notes that these population projections were prepared prior to the COVID19 pandemic and that rates of growth in regional cities and towns are projected to accelerate as people relocate from the capital cities. A by-product of the pandemic has been the greater acceptance of remote working and working from home.

2.2.1 COVID 19

This report was prepared before the long term social and economic impacts of the COVID19 pandemic were fully understood. After a year of COVID19 mitigation measures (including the closure of national and state borders) it is evident the impact on the tourism and hospitality sectors has (and continues to be) extensive. State and Local governments have enacted COVID recovery strategies, and the stimulation of the tourist and hospitality sectors are key elements of most of these plans. The subject proposal could form part of the overall longer term recovery and provide enhanced tourist infrastructure in the region.

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³ https://urbnsurf.com/

⁴ Douglas Shire and Cairns Regional Council

⁵ Queensland Government Statisticians Office

⁶ Queensland Government Statisticians Office Population Projections Medium Series 2018 ed

2.3 Structure

This report is comprised of the following key sections:

- Introduction summarising the background purpose and structure of the report.
- Project Description detailing the design and inclusions.
- Policy Assessment.
- Current Economic Usage how the site is utilised, and the economic importance.
- Economic Assessment.
- Qualitative Benefits an assessment of social and other (non-economic) benefits

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3 PROJECT DESCRIPTION

3.1 Description

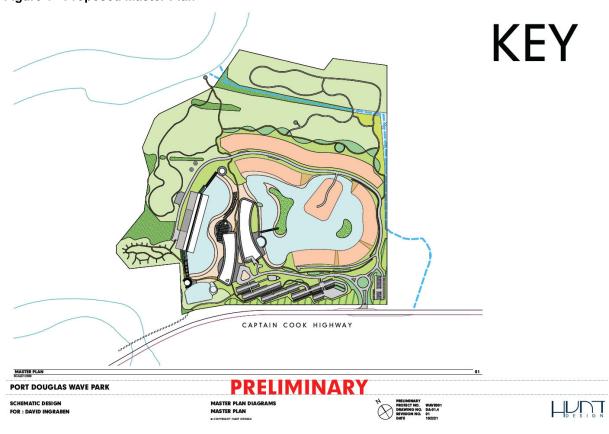
The proposed plan of development is detailed in the following figure. The primary functions of Surf Port Douglas include:

- Accommodation
 - A 164 room hotel with conference, spa, dining and retail facilities.
 - A 30 cabin surf camp catering to groups and offering budget accommodation.
 - 90 residential dwellings, some of which are expected to be offered as short stay tourist accommodation.
- A large Endless Wave (surf) pool catering to all standards of surfing.
- An aquapark that provides active and passive recreation opportunities.
- Dining and retail catering to the visitors to the site.

The proposed inclusions and operational assumptions are detailed in Appendix A- Assumptions.

Surf Port Douglas will primarily cater to the tropical north Queensland surf market, with attendees expected to include day-trippers, regional residents, domestic tourists and international tourists. Surfing in this part of Queensland is more problematic than in other parts of the state as surfers must travel off-shore as the Great Barrier Reef blocks coastal wave action, and the region does not have any true surf beaches. Surf Port Douglas has the potential to cater to locals and tourists who will pay for an experience that cannot be obtained elsewhere in the region in a tropical environment that is more comfortable than winter surfing in the southern parts of Australia.

Figure 1 - Proposed Master Plan



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3.2 Site Assessment

The Port Douglas Town centre is located approximately 9.4Km (by road) to the north of the subject site. This proximity will enable people staying at Surf Port Douglas to visit the town centre (and vice versa).

The Captain Cook Highway connects the site to Port Douglas and Cairns, providing a high degree of regional accessibility for all tourist markets (particularly the self-drive market).

Surf Port Douglas is located to the south of Port Douglas, with the site presently being used for sugar cane production.

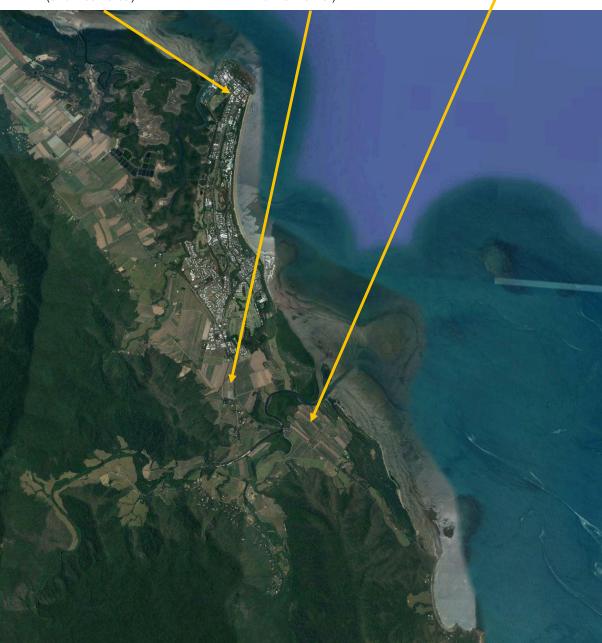


Figure 2 - Site Assessment

4 POLICY ASSESSMENT

The establishment of a new destination tourist resort and facility is in line with many of the actions and policies of regional economic development and tourist enhancement strategies.

4.1 Cairns Regional Council Economic Development Strategy 2018-2022

This is an overarching economic development strategy for the Cairns Regional Council and predates the impacts of COVID19. Key features of this strategy include:

- The continued growth of a strong tourist economy is important.
- The coordination of the destination marketing activities is essential to leverage the opportunities in the region.
- The importance of adding new tourist investment including the refurbishment of existing facilities.
- The need to add new room stock.
- The continued importance of the international market (including direct flights and the role of the Cairns Convention Centre)
- The intent to disperse events throughout the region, with a particular emphasis of improving the offer in the 'off season'.

4.1.1 Implications

The development of Surf Port Douglas will assist the delivery of all of these strategies. The development of a new resort and attraction will add room stock, provide off season opportunities and will provide a distinctive centrepiece for regional marketing and branding activities.

4.2 Tropical North Queensland Destination Tourism Plan October 2018

This plan is pre COVID19 and had a focus on increasing:

- The number of visitors
- The length of stay
- Expenditure
- The likelihood of repeat visitation

The plan presents several themes, with Surf Port Douglas being aligned with 'Infrastructure and Product Investment'. The plan seeks to identify unique tourism experience, product and event development opportunities. The plan makes reference to the importance of catalytic projects to build capacity and improve awareness amongst the target markets.

4.2.1 Implications

Although the plan is now quite dated (in the context of COVID19), the importance of developing new attractions cannot be overemphasised. Surf Port Douglas not only will create a new experience, but it will also have the capacity to cater to regular repeat domestic visitation (particularly from the colder parts of Australia).

4.3 Douglas Shire Economic Development Strategy (draft) 2021-2024

This strategy is a post COVID19 document that identified that 80% of tourism dependant businesses in the Shire were closed down in the first half of 2020 with a 90% decline in tourist visitation.

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Tourism is recognised as the main economic driver and the largest employment industry in the Douglas Shire. The strategy seeks to re-establish tourist visitation and expenditure as quickly as possible.

The strategy identified the diversification and expansion of the tourist offer is one of the three priority economic drivers. The others are the diversification of agriculture and targeting increased population.

The strategy concludes Douglas Shire is well positioned to attract new markets, including sports, food experiences, thoughtful events and adventure tourism.

4.3.1 Implications

The proposed Surf Port Dougal development is a good fit for the Port Douglas Economic Development Strategy. A sizeable new investment that includes a specialised attraction will attract new visitation and expenditure to the shire.

4.4 Implications and Conclusion

Developing a resort with associated specialised surf facilities will provide additional capacity to not only attract new tourists to the region but provide the opportunity for repeat patronage.

The provision of conference facilities within the proposed development, combined with its location close to Port Douglas, provides the opportunity for the subject site to take advantage of sports tourism, event tourism, and destination tourism while acting as a centrepiece for regional marketing and branding activities.

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5 CURRENT ECONOMIC USAGE

5.1 Current Use

The subject site is currently being utilised (in part) for sugar cane production. Only part of the site is farmed for sugar cane due to poor soil quality in the balance area. The subject site produces in the range of 1,400 tonnes per annum⁷.

5.2 Economic Evaluation

The sugar cane from the subject site is crushed at the Mossman Mill. In the 2020 season, the Mossman Mill crushed 648,000 tonnes⁸. The sugar cane from the subject site represents about 0.22% of the throughput of the Mossman Mill.

At 1,400 tonnes of production, the subject site has a total employment generation of 0.1FTE per annum.

5.3 Implications

The subject site has a negligible economic function with a modest annual production and minimal employment output of 0.1FTE. The loss of production from the subject site will not materially affect the viability or operations of the Mossman Mill. The 0.22% contribution to the crush of the mill is well within the 5% to 10% variation in the total volume that can be attributed to typical weather events.

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⁷ Source: Giudice Farming Pty Ltd

⁸ https://douglasnews.network/2020/11/05/mossman-mill-the-year-that-was/ accessed 2 March 2021.

6 ECONOMIC ASSESSMENT

The inputs and assumptions used to derive the assessments contained in this section are detailed in Appendix A. In some cases, the numbers are aggregated as the detailed figures are commercial-inconfidence.

This section provides an assessment and summary of the economic impact assessment for Surf Port Douglas. The economic impact tables are in Appendix B.

6.1 Construction

The budget for the construction phase is estimated to be \$317.3m. This includes site preparation works, civil works, professional services and the construction of the hotel, residential, lagoons and wave pool.

The construction period is assumed to be two years.

The construction phase will create a total of 1,247 FTE⁹ (full time equivelant) jobs. Of this, 453 are direct jobs (mainly on-site) and 794 are indirect type 1 (typically supply chain) jobs.

The total of 1,247 FTE equates to an average of 623.5 FTE per annum for the two year construction period.

Total wages and salaries are estimated to be \$117.5m (\$58.75m per annum).

Almost all of the employment will be taken up by residents of the region with some specialist skills, equipment and other inputs (notably the wave pool) imported to Far North Queensland.

6.2 Direct Expenditure and Visitation

Visitors and guests of Surf Port Douglas are projected to generate a direct expenditure of \$79.2m in year four 10 of operation. It is estimated that the majority of this will be new expenditure attracted to the region by the project.

Surf Port Douglas projected to host 128,680 visitor nights annually across all types of accommodation.

6.3 Economic Output

The total economic output from the Surf Port Douglas project is estimated at \$116.8m per annum with 68% (\$79.2m) of the total derived from the direct expenditure and the balance being supply chain/industrial support.

6.4 Gross Value Added¹¹

The Surf Port Douglas project is estimated to have a Gross Value Added (GVA) of \$59m per annum as a contribution to the regional economy.

6.5 Operational Employment

The operational phase will generate an estimated 740 FTE jobs per annum. Of this, 644 are direct jobs, and 96 are indirect type 1 (supply chain) jobs¹². The direct jobs include the estimated 400 to 450 on-site FTE that includes employees of the hotel, wave pool, retail, and food and beverage. The balance of off-site

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⁹ Direct and Indirect Type 1

¹⁰ Year four of operation has been selected as the operational reference year, as Surf Port Douglas is assumed to take the first three years to become established in the market.

¹¹ Value added: value of output after deducting costs of goods and services used in the production process. Value added is the preferred measure for assessing economic impacts.

¹² All ongoing (direct and indirect type 1) jobs can be sourced from within the local region.

employment will be supported by the expenditure of visitors and guests and will be distributed throughout the region.

The total annual wages and salaries are valued to be \$36m and will be mainly directed to the retail and hospitality sectors.

The 740 FTE operational jobs are significantly greater than the current 0.1 FTE generated by the subject site as a sugar cane farm.

6.6 Relationship with Port Douglas

The development of Surf Port Douglas will have a beneficial impact on the retailers and service providers located in the local area of Port Douglas. Tourists and visitors to Surf Port Douglas are projected to generate \$37.3m of annual retail and food/beverage expenditure. This is expected to be distributed between the subject site and businesses located in Port Douglas.

6.7 Conclusion

The proposed development at Surf Port Douglas has the potential to create a precinct of regional and state importance. The development of a wave pool, hotel and associated facilities will expand the appeal of the Cairns region as a tourist destination. It will be an important regional partner for ongoing marketing and branding activities. These facilities will also provide the opportunity to cater to a diverse range of target markets, including international tourists, domestic tourists, groups and budget travellers.

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7 QUALITATIVE BENEFITS

In addition to the benefits captured in the economic assessment, a range of wider benefits are expected to be realised with the development of Surf Port Douglas.

These are summarised in the following table:

Table 1 - Wider Benefits

Benefit	Description
Improved access to recreation facilities	A well designed and operated space will act as a recreation destination for tourists and regional residents.
	Connection to the Wangetti Trail.
Demographics and Population	Enhanced recreation areas are required to cater for the needs of the increasing number of residents in the region.
Health Values	The provision of aquatic sports areas and other facilities encourage physical activity and interaction for all ages.
	Connection to the Wangetti Trail.
Social Values	Opportunities for enhanced social connection/engagement.
Community Infrastructure	Opportunity to host community groups (schools and sporting groups).
	Connection to the Wangetti Trail.
Branding and Marketing of Tropical North Queensland	Surf Port Douglas will continue to assist in the branding and marketing of the Douglas Shire and Cairns region.
Investment Attraction	Precincts such as Surf Port Douglas can highlight the changing nature of the area with new investment attracting tourists and further investment.
Housing and Residents	The residential precinct at Surf Port Douglas will increase the local housing stock, which will assist the residential population growth objectives of Douglas Shire.
Community Engagement	Enhancing a sense of community by hosting events organised by school and community groups.
Tourism Diversification	Surf Port Douglas will help to diversify and increase the local tourism sector by attracting additional visitors to the region to visit the specialised sport and recreation facility.
	This type of visitation is particularly beneficial if it occurs in non-peak periods.

APPENDIX A- ASSUMPTIONS

The operational assumptions have been provided by Hunt Design. RPS does not have a position on the viability or feasibility of the proposal. RPS' role has been to conduct an economic evaluation based on the provided data and assumptions.

REPORT

Table 2 – Surf Port Douglas Usage Assumptions

Item	Description	Assumptions	Source
Description	A multi-faceted tourist destination	The reference year for the economic evaluation will be year 4 of operation.	
	Will accollinguation and activities.		
Hotel	164 rooms and suites		Hunt Design
	Restaurant and bar	• ADR - \$341	
	Spa	Occupancy – 72%	
	Gym	Pers per room – 1.85	
	Sport science (training, consulting	Room Nights – 43,100	
	and cinema)	 Visitor Nights – 79,725 	
	Function rooms		
	Co work space		
	Retail		
	Surf outlet – 620 Sq M		
	Board store – 100 Sq M		
	 Speciality retail – 2 at 75 Sq M 		
	 Convenience – 100 Sq M 		
Surf Park -	Endless Surf Wave pool	Cater to 75 surfers at a time with each surfer buying a ticket for a one hour session.	Hunt Design
Facility		I here will be between 9 (low season) and 13 (peak season) sessions per day.	
		Assumptions – Year 4	
		 Total number of annual ticket sales – 152,200 	
		 50% of tickets will be purchased by hotel guests. 	
		 Total annual revenue (tickets and surfboard hire) - \$7.8 million per annum. 	
		 RPS note- this visitation and revenue equates to an average of: 	
		o 10 sessions daily for 365 days	
		o 40 Surfers per session	
		 \$46 per ticket 	
		 Staff on duty will range from 8 (low season) to 14 (high season) for between 1.4 to 1.8 daily 8 hour shifts. This equates to an average FTE employment of 15.7 per day (for 365 days per 	
		annum).	

REPORT

Item	Description	Assumptions	Source
Surf Park –	Wave deck and bar	Expenditure detailed below.	Hunt Design
	Surf lounges Beach kiosk VIP room Islands – provides areas for functions, weddings etc		
Aquapark	A water based play area utilising inflatable structures	 Assumptions – Year 4 Patronage 100,000 per annum Entry Fee - \$25 per person. Seasonality – between 40 (low season) and 90 patrons per hour (peak season). 	Hunt Design
Surf Camp	A 30 cabin surf camp with group kitchen.	Utilized for surf camps, school camps and budget accommodation. Connection to the Wangetti Trail. Assumptions – Year 4 • ADR - \$80 • Occupancy – 65% • Pers per room – 1.8 • Room Nights – 7,100 • Visitor Nights – 12,800	Hunt Design Visitation assumptions by RPS
Residential	Villa – 50 Detached dwellings - 40	A proportion of the dwellings will be utilised by short stay tourists. Assumptions – Year 4 ADR - \$341 Occupancy – 50% Pers per room – 2.2 Room Nights – 16,425 Visitor Nights – 35,135	Hunt Design Visitation assumptions by RPS
Expenditure	Total expenditure within the region by visitors (overnight and day) to Surf Port Douglas.	Assumptions – Year 4 • Accommodation - \$26.9m • Other (includes entry fees to Wave pool and Aquapark, conference and SPA revenue) - \$15.1m • Food and Beverage - \$27.1m • Retail - \$10.2m • Total - \$79.2m	Expenditure assumptions by RPS

APPENDIX B - ECONOMIC IMPACT TABLES

The following tables¹³ have been derived based on the information described in the previous sections. The input/output model prepared by RPS has been regionalised to reflect the individual nature of the local and regional economies.

Construction Phase – Total

	Output (\$M)	GVA (\$M)	Income (\$M)	Employment (FTE)
Direct	\$317.3	\$83.6	\$41.0	452.8
First Round	\$184.7	\$72.5	\$41.7	441.2
Industrial Support	\$137.3	\$60.9	\$34.7	352.9
Simple Multiplier	\$639.3	\$217.0	\$117.5	1,247.0

Operational Phase - Year 4 of operation

	Output (\$M)	GVA (\$M)	Income (\$M)	Employment (FTE)
Direct	\$79.2	\$40.7	\$26.1	644.9
First Round	\$24.4	\$11.8	\$6.4	60.2
Industrial Support	\$13.2	\$6.5	\$3.5	35.1
Simple Multiplier	\$116.8	\$59.0	\$36.0	740.2

Constant returns to scale and no substitution between inputs

Production within an industry is homogenous across firms in that industry (i.e., same proportion of inputs are used by every firm in a given industry)

Each industry has only one primary output

The effect of carrying out a given level of production by one firm or many is the same

The economy examined is in equilibrium at given prices and

There are no capacity constraints so that the supply of each good is perfectly elastic. Each industry can supply whatever quantity is demanded of it and there are no capital restrictions.

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¹³ Assumptions

APPENDIX C – TOURIST MARKET

This section will provide an overview of the tourism industry in the Local Government Areas (LGAs) of Douglas and Cairns. This will include the contribution to the economy, number of visitors, and the current state of tourism in the LGAs.

Contribution to the Economy

In 2018/19 the economy of the Cairns Regional Council had the following features¹⁴:

- Gross Regional Product -\$10.25Bn
- Employment 84,447
- Tourism and Hospitality
 - Employment (direct and indirect) (FTE) 9,924 (14.4% of total industry)
 - Total Sales (direct and indirect) \$2.17Bn (11.9% of total industry)
 - Value Added (direct and indirect) \$1.09Bn (13.5% of total industry)

In 2018/19 the economy of the Douglas Shire¹⁵ had the following features:

- Gross Regional Product -\$0.75Bn
- Employment 6,727
- Tourism and Hospitality
 - Employment (direct and indirect) (FTE) 2,317 (42.3% of total industry)
 - Total Sales (direct and indirect) \$0.55Bn (38.4% of total industry)
 - Value Added (direct and indirect) \$0.26Bn (43.4% of total industry)

Visitors and Visitor Nights

In 2018/19, Queensland hosted 158 million visitor nights. This is projected to increase to 209 million visitor nights in the ten years to 2028/29¹⁶. This is a total growth of 32% and includes people on holiday, business and visiting friends and relatives, with the majority expected to be directed to LGAs in South East Queensland. A major growth segment is projected to be international tourists, with the 10-year increase across the state estimated to be 61% (to 94 million visitor nights)¹⁷.

Based on data from Tourism Research Australia¹⁸, there were a total of 2.91 million overnight visitors to Tropical North Queensland in the year ending December 2015, and they stayed a total of 16.9 million nights. This represented an increase in visitors of 36% since 2005. The number of total visitor nights increased by 21% in the same period.

Domestic Visitors

Cairns Regional Council

- In 2019, the number of domestic visitors was 1.14 million, and these people stayed 4.87 million nights.
- Expenditure by overnight domestic visitors was \$273 per person per night. This equates to a total direct expenditure of \$1.3Bn.

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¹⁴ http://economy.id.com.au/cairns

¹⁵ https://economy.id.com.au/douglas

¹⁶ Tourism Research Australia – State and Territory Tourism Forecasts

¹⁸ https://www.tra.gov.au/tra/2016/Tourism_Region_Profiles/Region_profiles/index.html#

Cairns City hosted 1.1 million day-trippers in 2019.

Douglas Shire

- In 2019, the number of domestic visitors was 335,000, and these people stayed 1.8 million nights.
- Expenditure by overnight domestic visitors was \$265 per person per night. This equates to total direct expenditure of \$482m.
- Douglas Shire hosted 264,000 day-trippers in 2019.

International Visitors

Cairns City

- In 2019, the number of international visitors was 799,000, and these people stayed 4.6 million nights.
- Expenditure by international visitors is \$188 per person per night. This equates to a total direct expenditure of \$868m.
- International visitors to Cairns in the year ending June 2019 were predominantly from China (26%), followed by Japan (14%) and the United States of America (12%).

Douglas Shire

- In 2019, the number of international visitors was 108,000, and these people stayed 661,000 nights.
- Expenditure by international visitors is \$155 per person per night. This equates to a total direct expenditure of \$102m.
- International visitors to Cairns in the year ending June 2019 were predominantly from the United States of America (19%), the United Kingdom (18%), and New Zealand (14%).

Room Stock

Tropical North Queensland best described as a mixed accommodation tourist market. In June 2016, the 190 hotel, resort, motel and serviced apartment properties in the Tropical North Queensland region provided 11,170 rooms¹⁹. This accounted for 16.6% of the total Queensland room stock.

The Tropical North Queensland region had the following room distribution:

- 40 resorts and hotels provided 3,980 rooms (36% of regional room stock)
- 62 motels and similar provided 3,265 rooms (29% of regional room stock)
- 88 serviced apartments provided 3,925 rooms (35% of regional room stock)

Implications

Tourism is a large and critical part of the regional economy. The role of tourism is very apparent in smaller communities such as Port Douglas.

All of the published statistical data predate the COVID19 pandemic and the subsequent restrictions on travel. There is no doubt the impact on the region's tourist economy has been significant and that governments at all levels, businesses and individuals will be seeking to facilitate a rebound of the tourist and hospitality sector.

Given the importance of the tourism industry to the region, it is imperative to improve the tourist product and facilities to remain a choice holiday destination and attract more visitors. Surf Port Douglas will provide a unique regional attraction and provide the opportunity for enhanced regional marketing and branding.

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¹⁹ Australian Bureau of Statistics, Tourist Accommodation Australia 2015-16, 86350DO001_201516

APPENDIX D – INPUT OUTPUT METHODOLOGIES

Methodology and Approach

RPS has used an Economic Impact Assessment (EIA) based approach to estimating the employment impacts of proposed development on the Tropical North Queensland economy.

Impact Assessments and IO Tables

At the core of Impact Assessments are Input–Output (IO) tables. IO tables are part of the national accounts by the ABS and provide detailed information about the supply and use of products in the Australian economy, and the structure of and inter–relationships between Australian industries.

IO tables are converted, through statistical analysis, into a series of Economic Multipliers. These Multipliers represent the relationship between the direct expenditure associated with a project.

The results of an EIA are generally presented as both direct effects, that is effects from the direct expenditure of the project or event and indirect effects, which are additional effects from further rounds of spending in the supply chain. A third or consumption effect, resulting from rounds of consumer spending generated by the additional income in the region can also be calculated.

There are two broad levels of Multipliers that can be utilised for Impact Assessments:

- 1. Simple Multipliers including the Direct or Initial Effect, First Round and Industry Supply Chain effects.
- 2. **Total Multipliers** including the Simple Multipliers plus subsequent Induced Production and Household Consumptions effects.

Impact Assessments can assess:

- Output the actual dollar amount spent on the project in the Region.
- Income the amount of wages and salaries paid to labour.
- Employment the full time equivalent per annum employment generated by the project.
- Value Added the value added to materials and labour expended on the project; and

For the purpose of this analysis, only employment-related impacts have been assessed.

RPS has undertaken an Impact Assessment for the Tropical North Queensland economy. This entailed the following tasks:

- Transaction tables were developed from National IO tables for the Tropical North Queensland economy. The Australian transaction table was calculated directly from the latest IO tables from the ABS. For the Tropical North Queensland economy, the Regional Transaction Table was calculated by applying employment-based location quotients for the Region, based on the results of the 2016 Census of Population and Housing. This has the effect of excluding spending on imports to the Region since they generate no local economic activity.
- Economic Multipliers were then generated for Tropical North Queensland economy across 119 industry categories defined by the ABS.
- Construction, operational, tourism and household expenditure associated with the development were allocated across 119 industry categories: and
- 4. Employment impacts associated with the project are calculated.

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Criticisms of Impact Assessments

Economic Impact Assessments based on IO-tables and Economic Multipliers have been criticised by Government and academia. RPS recognises Economic Multipliers are based on limited assumptions that can result in multipliers being a biased estimator of the benefits or costs of a project.

Shortcomings and limitations of Multipliers for economic impact analysis include:

- Lack of supply-side constraints: The most significant limitation of economic impact analysis using multipliers is the implicit assumption that the economy has no supply-side constraints. That is, it is assumed that extra output can be produced in one area without taking resources away from other activities, thus overstating economic impacts. The actual impact is likely to be dependent on the extent to which the economy is operating at or near capacity.
- Fixed prices: Constraints on the availability of inputs, such as skilled labour, require prices to act as a
 rationing device. In assessments using multipliers, where factors of production are assumed to be
 limitless, this rationing response is assumed not to occur. Prices are assumed to be unaffected by policy
 and any crowding out effects are not captured.
- Fixed ratios for intermediate inputs and production: Economic impact analysis using multipliers implicitly assumes that there is a fixed input structure in each industry and fixed ratios for production. As such, impact analysis using multipliers can be seen to describe average effects, not marginal effects. For example, increased demand for a product is assumed to imply an equal increase in production for that product. In reality, however, it may be more efficient to increase imports or divert some exports to local consumption rather than increasing local production by the full amount.
- No allowance for purchasers' marginal responses to change: Economic impact analysis using
 multipliers assumes that households consume goods and services in exact proportions to their initial
 budget shares. For example, the household budget share of some goods might increase as household
 income increases. This equally applies to industrial consumption of intermediate inputs and factors of
 production.
- Absence of budget constraints: Assessments of economic impacts using multipliers that consider consumption induced effects (type two multipliers) implicitly assume that household and government consumption is not subject to budget constraints.
- Not applicable for small regions: Multipliers that have been calculated from the national I–O table are
 not appropriate for use in economic impact analysis of projects in small regions. For small regions
 multipliers tend to be smaller than national multipliers since their inter–industry linkages are normally
 relatively shallow. Inter–industry linkages tend to be shallow in small regions since they usually do not
 have the capacity to produce the wide range of goods used for inputs and consumption, instead
 importing a large proportion of these goods from other regions.

Despite this, IO tables and Economic Multipliers remain popular due to their ease of use and communication of results. RPS has undertaken several steps and made appropriate adjustments to the EIA methodology to address and mitigate these concerns.

Firstly, *RPS* has only used Simple Multipliers in the Assessment. This has the effect of discounting Household Consumption impacts from the assessment. By doing so, only those industries with a first round or first round supply chain connection are considered. This has the effect of making the results of the EIA conservative and suitable to inform decision making.

Secondly, the Tropical North Queensland economy is a large area with a critical mass of population and business activity and a diverse economy. Adjustments have also been made to national multipliers to calculate the impacts on the Tropical North Queensland economy only, through the development of a regional transaction table.

RPS regards the use of Employment Multipliers as part of this Assessment as appropriate and measured and the results of the assessment as conservative, defensible and suitable for informing decision making.

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APPENDIX E – GLOSSARY

Statistical Geographies

RPS has undertaken all assessments for the combined reporting area of Cairns City and Douglas Shire.

Where applicable, to reduce and minimise the impacts of double counting or internal transfer payments, RPS has removed or discounted the impact of expenditure from within Queensland.

Glossary and Abbreviations

Abbreviation	Phrase
ABS	Australian Bureau of Statistics
BCR	Benefit Cost Ratio
СВА	Cost Benefit Assessment
LGA	Local Government Area
FTE	Full Time Equivalent
10	Input-Output
IRR	Internal Rate of Return
NPV	Net Present Value
sqm	Square metres
TRA	Tourism Research Australia