



Professor Mary O'Kane AC  
Chair  
Independent Planning Commission  
GPO Box 3415  
SYDNEY NSW 2001

Dear Professor O'Kane

**SSD 8169 and MP 09\_0028 MOD 3 (Concept Plan)  
North Byron Parklands Cultural Events Site**

Please find attached a response to matters raised by the Independent Planning Commission during its consideration of the above application.

The response seeks to clarify matters raised in relation to consultation with the Regulatory Working Group and NSW Health, infrastructure staging, and the proposed wastewater treatment system. In responding, the Department reaffirms its conclusions and recommendations presented in the Assessment Report dated 16 November 2018.

Yours sincerely

Anthea Sargeant 18/10/18  
**Executive Director**  
**Key Sites & Industry Assessments**

## ATTACHMENT A

### Questions on Notice – Independent Planning Commission North Byron Parklands Cultural Events Site – SSD 8169 and MP 09\_0028 MOD 3 (Concept Plan)

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- 1. Outcomes from the meeting between the Regulatory Working Group and the Department on 22 March 2018**
  - On 22 March 2018, senior executives from the Department met with community representatives of the Regulatory Working Group (RWG) during a visit to the North Byron Cultural Events Site.
  - During the meeting, the community representatives outlined the role of the RWG and described the RWG's key achievements during the trial period.
  - However, the community representatives also expressed several concerns about the State significant development (SSD) application, particularly:
    - the Applicant's Economic Assessment, noting the report did not discuss the economic benefit to the local community of increasing patron numbers from 35,000 to 50,000
    - lack of independent reporting in the existing approval
    - compliance issues and social and amenity issues.
  - In light of the issues raised, the Department engaged HillPDA to independently review the Economic Assessment noting the comments made by the RWG community representatives.
  - The Department acknowledged the other issues raised by the RWG representatives which was considered as part of the assessment of the SSD application.
  - The Department has recommended conditions in the SSD consent including an annual compliance reporting requirement (conditions E8 and E9) and a three-yearly independent auditing requirement (conditions E10 and E11).
  
- 2. What consultation has been undertaken with the NSW Health during the assessment process?**
  - NSW Health was not formally notified during the preparation of the Planning Secretary's environmental assessment requirements (SEARs) and the public exhibition period.
  - In their submissions on the Environmental Impact Statement, both Byron Shire Council and Tweed Shire Council noted NSW Health has a regulatory role in relation to the potable water and wastewater treatment systems.
  - A number of objections received in relation to the SSD application also raised concerns regarding the proposed potable water and wastewater treatment systems.
  - Following the exhibition period, NSW Health contacted the Department to discuss the SSD application, particularly in relation to potable water and wastewater. The Department advised the authority of GHD's independent review of the proposed wastewater treatment system. NSW Health verbally agreed that it was satisfied with this approach.
  - Regarding the proposed potable water infrastructure, the Department advised the Applicant to consult directly with NSW Health. The Department understands there has been ongoing dialogue between NSW Health and the Applicant, particularly during the trial period.
  - The Department recommended in its assessment report that the Applicant prepare a potable water management plan to be endorsed by NSW Health.
  
- 3. Further clarification on how the consent sets out the staging of the wastewater treatment system and when it the system would be in place**
  - Conditions C13 to C24 outline the strict requirements which would manage the detailed design, construction and operation of the development's wastewater treatment system.
  - As part of its Response to Submissions report, the Applicant clarified the development's wastewater treatment system would be constructed prior to holding an event with 42,500 patrons or more.
  - The reticulation system connecting each amenities block with the wastewater treatment system would be constructed progressively as funding permits.
  - The reticulation system connecting the conference centre with the wastewater treatment system would be constructed at the same time as the conference centre.

## ATTACHMENT A

- Notwithstanding this, Condition C13 outlines that the Applicant must construct and operate the wastewater treatment system described in the RTS prior to holding an outdoor event with a capacity of 40,000 patrons or more.
  - In the event the proposed system cannot meet the performance criteria outlined in the recommended SSD consent, Condition C13 also stipulates wastewater generated by the development is to be transported off-site to an appropriately licensed wastewater treatment facility (discussed in further detail below).
- 4. Provide further clarification on whether wastewater generated by the proposed development will be treated on-site or disposed to one of Byron Shire Council's licensed treatment facilities**
- The Applicant's proposal and first preference is to treat and dispose all wastewater generated on-site by expanding its existing on-site wastewater treatment system.
  - As a contingency measure, the Applicant confirmed it can dispose of its wastewater off-site to a private licensed treatment facility. This option would only be used in the event the proposed system cannot meet the performance criteria outlined in the recommended SSD consent.
  - For the upcoming Falls Festival 2018, the Applicant has entered into agreements with three licensed facilities for the duration of the event. Copies of these agreements are provided in Attachment B. The Department understands the Applicant is providing further information on this matter.
  - The Department is satisfied there would be adequate contingencies in place for future events to ensure the environmental risks associated with the proposed treatment system and irrigation scheme are minimal.
- 5. Provide a copy of the proposed development's infrastructure staging plan (based on Table 5 of the Assessment Report dated 16 November 2018) which incorporates the 5,000 patron increments recommended by the Department**  
The updated infrastructure plan is provided in Attachment C.
- 6. Provide an electronic copy of the A3 folder presented at the meeting between the Independent Planning Commission and the Department on 4 December 2018**  
An electronic copy of the A3 folder is provided in Attachment D.

**ATTACHMENT B**

**Alternative Wastewater Treatment Agreements**



# Notice

## Environmental Protection Regulation 2008

### Decision on application for consignment authorisation number

*This notice is issued by the administering executive<sup>1</sup> pursuant to section 81X(5) of the Environmental Protection Regulation 2008 to advise you of a decision made by the administering executive on an application for consignment number to transport trackable waste into Queensland from another State made under section 81X of the Environmental Protection Regulation 2008.*

Reference: AN000761

To: Emmeline Whitnall  
The Trustee for Jebb Trust  
30 Norbury Street  
Coopers Plains QLD 4108  
emmeline@totalsan.com.au

### Notice of decision to approve your application for consignment authorisation to transport trackable waste into Queensland

#### 1. Application Details

Your application for a consignment authorisation number was received by the administering executive on 2 November 2018. A copy of the application form is attached.

#### 2. Decision

The administering executive has considered your application made under section 81X of the Environmental Protection Regulation 2008 and has decided to approve your application for a consignment number for the transportation of trackable waste. The following consignment authorisation number is issued under section 81X(5) of the Environmental Protection Regulation 2008 and is to be used on the relevant waste transport documentation.

The consignment authorisation number is: 24-18-1902.

The consignment authorisation number is subject to the details as provided on your application and as shown in Table 1.

<sup>1</sup> The Department of Environment and Science is the administering executive of the Environmental Protection Regulation 2008.

## Decision on application for consignment authorisation number

Table 1: Consignment Authorisation Details

Consignment number	24-18-1902
Effective date	16 November 2018
Expiry date	4 January 2019
Waste type & tracking code	Septic K130 – sewage sludge and residues, including nightsoil and septic tank sludge
Maximum quantity	150,000 litres
Waste generator	Look Up and Live Pty Ltd ACN 166 729 942 Byron Bay Parklands, Tweed Valley Way NSW 2484
Waste transporter	The Trustee for Jebb Trust ABN 40 227 405 712 30 Norbury Street, Coopers Plains QLD 4108 Licence No. EPSX00957313
Waste receiver	NuGrow Ipswich Pty Ltd ACN 124 571 875 Memorial Drive, Swanbank QLD 4306 Licence No. EPPR00696713

Decision on application for consignment authorisation number

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**3. Additional information for applicants**

In arranging for the transport and receipt of this waste, the holder of this authorisation should note the following:

- transport of the waste must comply with the Australian Dangerous Goods Code Edition 7.4;
- any unlawful activities which could lead to environmental harm in Queensland are prohibited under the *Environmental Protection Act 1994*;
- the transporter contracted to carry the waste in Queensland must be licensed to carry the regulated waste as stated above under the provisions of the Environmental Protection Regulation 2008 or similar interstate legislation;
- the waste is to be accompanied by a correctly completed interstate waste transport certificate from the State the waste originated to meet the requirements of sections 81M to 81P of the Environmental Protection Regulation 2008; and
- this consignment authorisation only permits the transport of trackable waste into Queensland as per this Notice;
- this the waste(s) must meet the waste acceptance criteria of the facility receiving the waste.

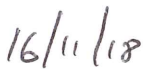
This consignment authority has effect from the day the notice is given. Please retain this approval documentation for your records.

If you require more information, please contact Fleur Cordery, Senior Environmental Officer, on the telephone number listed below.

Yours sincerely,



Signature



Date

Tim Reid  
 A/Team Leader  
 Department of Environment and Science  
 Delegate of the administering executive  
*Environmental Protection Regulation 2008*

**Enquiries:**

Fleur Cordery  
 Senior Environmental Officer  
 Waste Regulation Enforcement and Administration  
 PO Box 2454, Brisbane QLD 4001  
 Phone: (07) 3330 5677  
 Email: waste.track@des.qld.gov.au

**Attachments**

Application form for Consignment Authorisation



Mat Morris  
Byron Bay Parklands  
Tweed Valley Way  
Byron Bay, NSW 2481

5th December 2018

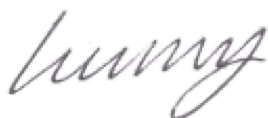
Dear Mat,

Nugrow Ipswich Pty Ltd (NuGrow) holds an Environmental Authority (EPPR00696713) to undertake composting and soil conditioner manufacturing using organic liquid waste streams as feedstocks to the composting process. Based on information provided to date, NuGrow can confirm that the liquid waste streams generated by events held at North Byron Parklands are suitable for acceptance at our facility on an ongoing basis.

NuGrow composts organic waste streams such as those generated by events held at North Byron Parklands to produce products consistent with Australian Standard 4454 *Composts, soil conditioners and mulches* which includes strict process quality control and release criteria for physical, chemical and biological parameters. The composting process recycles nutrients and organic matter contained in the waste streams for beneficial reuse in agronomic activities.

Should you wish to discuss further, please don't hesitate to contact me on 0429 901 477.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "Shaun Lunn".

Shaun Lunn  
Business Development Manager  
NuGrow Pty Ltd

*Healthier environments supporting  
healthier communities globally*







- Divert more waste from landfill
- Create better resources through recycling
- Improve soil health via rehabilitation

**NuGrow**

[www.nugrow.com.au](http://www.nugrow.com.au)







TECHNOLOGY



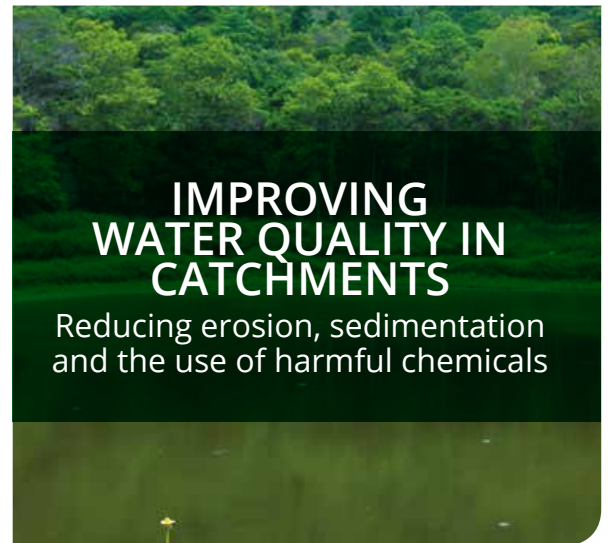
# Leaders in recycling and rehabilitation

NuGrow is one of Australia's leading full service recycling and rehabilitation innovators. With services spanning waste transport and recycling, compost and soil supply, and land rehabilitation, we are advancing a sustainable approach to waste and land management. Our innovative, proven methodology closes the loop between waste disposal and reuse in pursuit of our vision for healthier environments, supporting healthier communities, globally.

Leveraging our 15-year history, we work with the agriculture, government, infrastructure and resources sectors to unlock hidden value for communities. With four state-of-the-art facilities in Queensland, the composts, premium soils, soil conditioners and potting mixes manufactured by NuGrow are used for land rehabilitation and soil improvement, and as a growing medium or replacement for synthetic fertilisers. Underpinning these products is a suite of tailored waste and environmental services.

## OUR MISSION IS TO:

- Divert more waste from landfill, finding beneficial new uses for waste streams
- Create better resources through recycling, taking a whole-of-life approach
- Improve soil health via rehabilitation, tailoring services to each environment.







## Our services

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We see waste as a resource and an opportunity to improve our environment. The products we create and services we deliver raise the bar on quality and sustainability, providing competitive solutions with greater environmental value than most alternatives. We offer the advantage of a one-stop shop, from recycler to product manufacturer to service provider. Clients benefit from greater performance and cost-efficiency due to our:

- Award-winning, advanced organics technology
- Rigorously-tested, high-quality products
- Innovative, research-driven solutions
- Expert, passionate team and specialist network.

Through these services, we continually reduce the waste going to landfill and develop products that measurably improve soil quality and productivity. We deliver practical solutions today while seeking to improve waste and land management policies and practices for the future.

### Waste transportation

NuGrow provides waste transport solutions via our in-house fleet and trusted subcontractors. There are no limits to the types or quantities of waste we can transport, creating a streamlined, end-to-end service and cost-effective, safe and efficient waste transport solutions.

### Waste processing and recycling

The continued growth of populations around the world is creating unsustainable rates of waste production and disposal. NuGrow's waste recycling facilities are a dynamic alternative to landfills. They convert a wide range of organic and inorganic wastes into beneficial products.

### NuGrow manufactured compost and soil supply

NuGrow turns waste streams into high-grade composts, premium soils, soil conditioners and potting mixes. These are used for land rehabilitation projects, including as a growing medium or replacement for synthetic fertilisers. They rejuvenate degraded land by improving ecological and biological integrity.





# Our products

## NuCompost

NuCompost is a soil conditioner and additive that has wide-ranging application for improving existing soil, organic carbon ratio, moisture retention, structure and cationic exchange. NuCompost is the active constituent in all of NuGrow's organic soil products.

## NuPurpose

NuPurpose puts health and vitality back into gardens and creates the best growing conditions for plants. It offers greater performance in general growing situations as the highest performing potting mix available and a leading garden-to-garden innovation.

## NuPremium

NuPremium is a landscape soil produced with high-quality organic and mineral components. It offers a rich, fine particle sized soil for household and high-profile applications and, as a blended soil, offers balance and a plant available nutrient profile.

## NuCommercial

NuCommercial is a rich organic soil with healthy biological and mineral content that provides an excellent growing media for most plants and grasses. As an organic soil, it offers a blend of composted organics and natural soil with a very low phosphorous rating.

## NuTop Dress

NuTop Dress is an excellent media to top dress lawns. It is a pure, organic material that stimulates growth. It is also suitable for use under turf or as a potting mix enhancer and can be used in all turf applications – from small to large.

## Tailored products

NuGrow can tailor a product to exact needs and specifications. Clients can provide us with their specifications or the NuGrow team can create a site-specific product based on existing site conditions and client objectives.

## Land rehabilitation and rejuvenation

NuGrow offers an end-to-end land rehabilitation service, from initial desktop study and soil testing, to recommending and creating a site-specific soil mix, to managing application and ongoing monitoring. Through Hydroganics, we offer a major erosion control and land rehabilitation alternative for civil contractors, environmental engineers, landscapers and councils. Hydroganics is the first of its kind to combine:

- Germination media that uses NuGrow's industry-leading compost
- Wet application, supporting instant activation of binding agents/tackifiers
- Seed optimisation, embedding seeds directly in the germination media for faster growth
- Instant erosion control and soil protection, supported by the fibre-based matrix

## Long-term focus

Our team is committed to raising awareness of sustainable waste management and land rehabilitation practices. We develop our products and services to ensure we are always improving environmental, social and economic outcomes. As an environmentally-conscious organisation, we understand that future generations depend on sustainable, responsible development to protect, preserve and enhance the environment now and into the future.



### Raglan Cattle Stud organics field trial

NuGrow partnered with the third generation cattle farmers who run the prestigious Raglan Station to conduct a field trial using NuGrow compost applications. The field trial sought to demonstrate whether above average pasture growing results could be achieved using reduced rates of synthetic fertiliser via substitution with a more economical product, such as organic-based compost. The trial showed improved land productivity, with production increasing by 56 per cent per hectare. It also proved cost savings for landowners with the potential for reducing synthetic fertiliser by more than 50 per cent over three years. Other benefits included improved soil quality via several key soil chemical properties and health indices, stronger environmental performance with lower run-off of harmful sediment into local waterways and reef catchments, and significant carbon abatement.



### Ipswich City Council FOGO

Ipswich City Council set itself the objective of keeping the environmental, economic and social benefits of recycling food organic and garden organic (FOGO) waste within its local government area. Ipswich City Council partnered with NuGrow to find a sustainable solution, becoming one of the first councils in Queensland to implement a FOGO bin initiative.

This allows residents to place biodegradable waste (eg food scraps, garden clippings, shredded paper, animal manure) into green bins that are sent to NuGrow for recycling. NuGrow provides Ipswich City Council with a cost-effective disposal solution that eliminates double-handling by removing the need for a transfer station. Products manufactured out of the green bin materials are beneficially reused within the community.



## Innovation through R&D

NuGrow invests considerable time and resources in research and development and our team continually explores the latest innovations in waste and land management. Viable practices are then implemented and tested at NuGrow's facilities. This process of 'innovate, test, measure, deliver' is a key point of difference that keeps NuGrow at the leading edge. We are also focused on production efficiency and continue to heavily invest in new technology to ensure the high volume demands of our growing customer base are met.

## High standards

Every aspect of our operations comply with, and exceed, regulatory requirements and relevant standards. We believe in going further to deliver greater value to our clients and communities. Where guidelines and standards establish a minimum benchmark, we pride ourselves on exceeding and setting a new benchmark. We also continue to explore new ways of converting waste into vital, sustainable resources.



### Olsen Avenue road upgrade

Georgiou Group contracted NuGrow to provide long-term batter stabilisation for a road upgrade project that was taking the roadway from four to six lanes. Hydroganics delivered a superior, topsoil free solution to the originally-specified use of imported topsoil and double pass hydromulch – achieved through Hydroganics' higher quality germination media and single-pass application. After a soil test showed an extreme pH of 4.2, Hydroganics was tailored by adding dolomite, lime and fertiliser directly to the high-grade compost. Ameliorants, a wetting agent and a tackifier were also added directly into the mix, along with the approved native seed mix (10kg/ha) and cover crop (30kg/ha). Hydroganics was applied in a single application, covering the 2,500m<sup>2</sup> site at a rate of 100m<sup>3</sup>/ha of organics. The site quickly stabilised, native species began to germinate within three weeks and continued growth is strong.



### Origin Energy CSG waste disposal and land rehabilitation

NuGrow was contracted by Origin Energy to assist in providing and managing a waste disposal service for its CSG operations. Through NuGrow's recycling services, Origin overcame three main challenges. First, was finding a useful purpose for drill mud and fluid waste produced during exploration and production. Second, was reducing the resulting strain on local infrastructure, including sewage treatment plants and landfills, by finding alternative disposal solutions for construction camp wastes (eg effluent and food waste). And third, was sustainably rehabilitating disturbed land.

NuGrow connected Origin with a full-circle solution that saved them money at the waste disposal stage by redirecting waste streams to the creation of beneficial products, in turn used in rehabilitation activities.



Phone 1300 684 769  
Email [sustainability@nugrow.com.au](mailto:sustainability@nugrow.com.au)  
Visit [www.nugrow.com.au](http://www.nugrow.com.au)



*Healthier environments supporting  
healthier communities globally*

7<sup>th</sup> December 2018

Byron Bay Parklands,

Phoenix would like to take the opportunity to receive, process, refine and beneficially reuse both organic solid and liquid wastes from the Falls Festival 2018.

Phoenix Power Recyclers is among Australia's leading organics recycling companies. We currently manufacture in excess of 200,000 cubic meters of finished compost per annum. Our signature 'Prescription Compost 100' is used to make landscaping soils, conditioners and other growing media for agricultural and horticultural applications.

Located in the continually growing Yatala Industrial Precinct within the Gold Coast region, our Sandy Creek Road site is a comprehensive waste recycling facility handling food & green organics, construction and demolition materials and many other waste types. For a full list of the materials and waste streams that we accept, please see our website, <http://www.phoenixpower.com.au>

Phoenix operates under stringent quality control measures with all organic waste monitored during the composting phase and tracked through our internal and external systems. It is imperative standards are maintained to ensure end products are of a consistent quality and pollutant or contaminant free. All composted products are laboratory tested and certified by outside source before distribution.

Thank you for taking the time to consider Phoenix as your organic waste recycling and management service.

Kind Regards

Martin Tower  
General Manager





## Welcome to Phoenix Power Recyclers

**Phoenix Power Recyclers is among Australia's leading organics recycling companies.**

We currently manufacture in excess of 200,000 cubic meters of finished compost per annum. Our signature 'Prescription Compost 100' is used to make landscaping soils, conditioners and other growing media for agricultural and horticultural applications.

Located in the continually growing Yatala Industrial Precinct within the Gold Coast region, our Sandy Creek Rd site is a comprehensive waste recycling facility handling food & green organics, construction & demolition materials and many other waste types. For a full list of the materials and waste streams that we accept, please see our [Services Page](#).

Operating on an Eco-Cluster Concept, Phoenix has evolved and developed innovative practices in recycling and composting that now have become the benchmark within the landscaping and horticulture industries in South East Queensland.

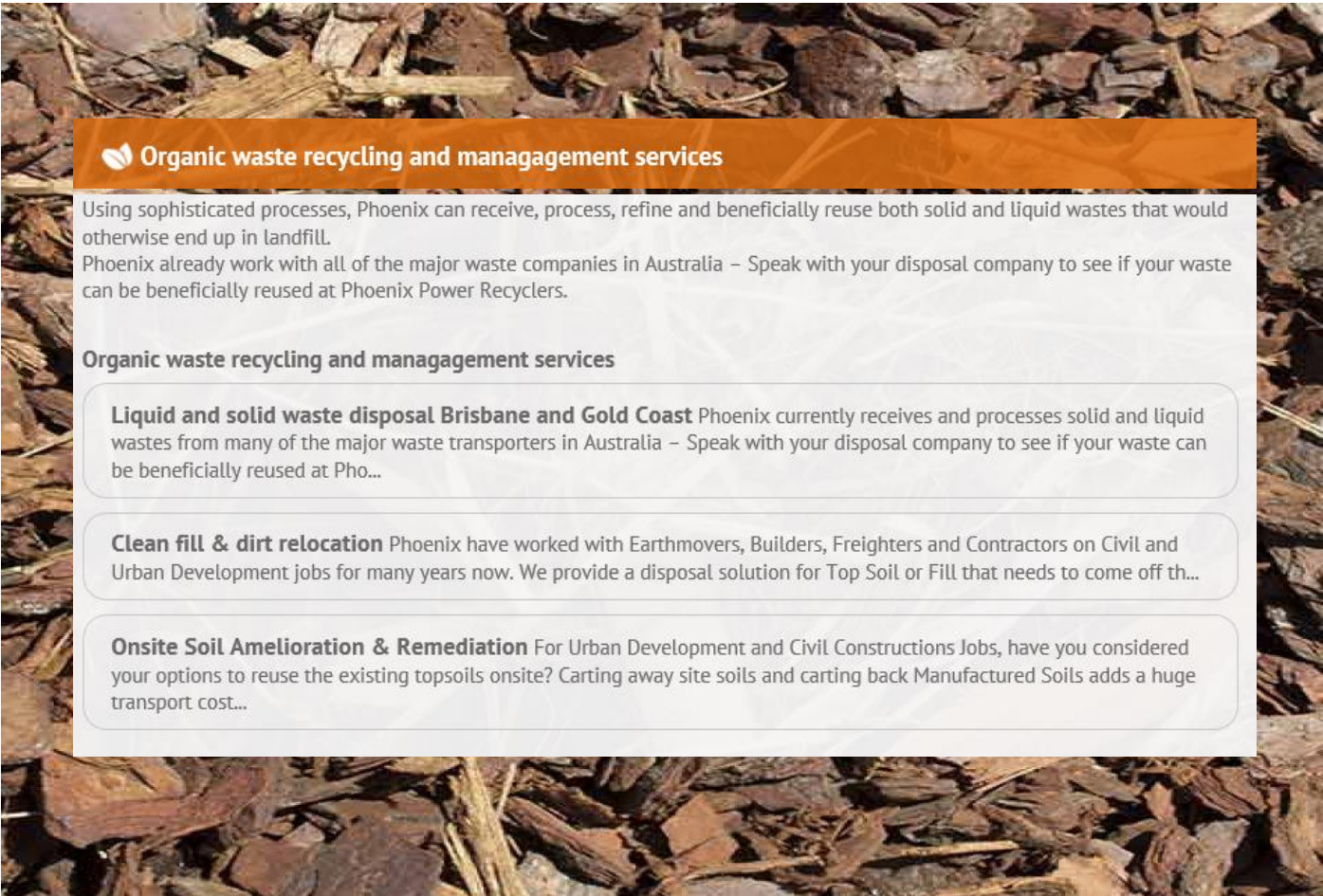
We are a fully integrated waste recovery and recycling company providing a "one stop" waste recovery solution for municipal waste generated in Australia and overseas.

Using sophisticated processes, Phoenix can receive, process, refine and beneficially reuse both solid and liquid wastes that would otherwise end up in landfill.

Fully licensed both locally and by the State, Phoenix strive to be considered the World Leader in the supply of recycled organic compost and in the long-term intend to harness the combustible element of our waste streams to generate Green, Renewable Energy.

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### Organic waste recycling and management services

Using sophisticated processes, Phoenix can receive, process, refine and beneficially reuse both solid and liquid wastes that would otherwise end up in landfill.

Phoenix already work with all of the major waste companies in Australia – Speak with your disposal company to see if your waste can be beneficially reused at Phoenix Power Recyclers.

#### Organic waste recycling and management services

**Liquid and solid waste disposal Brisbane and Gold Coast** Phoenix currently receives and processes solid and liquid wastes from many of the major waste transporters in Australia – Speak with your disposal company to see if your waste can be beneficially reused at Pho...

**Clean fill & dirt relocation** Phoenix have worked with Earthmovers, Builders, Freighters and Contractors on Civil and Urban Development jobs for many years now. We provide a disposal solution for Top Soil or Fill that needs to come off th...

**Onsite Soil Amelioration & Remediation** For Urban Development and Civil Constructions Jobs, have you considered your options to reuse the existing topsoils onsite? Carting away site soils and carting back Manufactured Soils adds a huge transport cost...



### Accreditation & Industry Memberships

Phoenix operates under stringent quality control measures with all organic waste monitored during the composting phase and tracked through our internal and external systems. It is imperative standards are maintained to ensure end products are of a consistent quality and pollutant or contaminant free. All composted products are laboratory tested and certified by an outside source before distribution.

Phoenix Power Recyclers operates a fully licensed composting facility for organics and is licensed and accredited with various membership organisations.

Phoenix hold the following Environmentally Relevant Activity Licenses:

- ERA 14 - Electricity Generation
- ERA 33 - Crushing, milling, grinding or screening
- ERA 53 - Composting & soil conditioner manufacturing
- ERA 55 - Regulated waste recycling or reprocessing
- ERA 58 - Regulated waste treatment
- ERA 62 - Waste transfer station operation
- Phoenix are members of the following Industry Associations:
- WRIQ 'Waste Recycling Industry Queensland'
- AORA 'Australia Organics Recycling Association'



### Liquid and solid waste disposal Brisbane and Gold Coast

Phoenix currently receives and processes solid and liquid wastes from many of the major waste transporters in Australia – Speak with your disposal company to see if your waste can be beneficially reused at Phoenix Power Recyclers.

- Bilge Waters
- Bio-Solids
- Construction and Demolition Waste
- Dewatered Grease Trap Sludge
- Food Processing Waste
- Grease Trap Waste Water
- Green Waste (vegetation)
- Manure – Livestock
- Mill Residues
- Muddy Water
- Oil Interceptor Waters
- Paper Sludge
- Paunch Material
- Poultry Processing Waste
- Sawdusts
- Septic
- Silty Water
- Stabilised Anaerobic or Aerobic Sludges
- Stormwater Pump Outs
- Untreated Pallet Waste
- Vacuum Excavations
- Vegetable Oil Wastes and Starches
- Vehicle Washdown Waters
- Wastewaters contaminated with oils and oil emulsions
- Wood Waste



## Contact Us

### **Phoenix Power Recyclers Pty Ltd.**

126 Sandy Creek Rd Yatala, 4207

**P** 07 3807 5699

**F** 07 3807 4148

**E** [admin@phoenixpower.com.au](mailto:admin@phoenixpower.com.au)  
[scott@phoenixpower.com.au](mailto:scott@phoenixpower.com.au)

#### **Opening Hours:**

Monday to Thursday:	9am - 5pm
Saturday:	9am - 5pm
Sunday:	By Appointment Only



## ATTACHMENT C

**Table 1** | The Department's recommended infrastructure staging plan

Infrastructure	To be constructed prior to reaching:				
	35,000 Patrons	40,000 Patrons	45,000 Patrons	50,000 Patrons	Non-specific <sup>1</sup>
<i>Conference centre and associated accommodation</i>					
<i>Administration building</i>					
<b>Event area facilities and works</b>					
<i>Regrading/terracing of the main amphitheatre</i>					
<i>Drainage improvement works</i>					
<i>Potable water supply infrastructure</i>					
<i>Sewerage infrastructure and additional amenities</i>					
<i>Electrical and communications infrastructure</i>					
<i>Security fencing</i>					
<b>On-site road and transport facilities and works</b>					
<i>Construction of the southeast car park</i>					
<i>Construction of roundabouts</i>					
<i>Construction of southern pick-up and drop-off zones</i>					
<i>Expansion of the transport hub</i>					
<i>Gate A works to improve public transport accessibility</i>					
<i>Spine road upgrades (widening and sealing)</i>					
<i>Event laneway upgrades (rebuilding and sealing)</i>					
<i>Construction of additional on-site bus stops</i>					
<b>Off-site road and transport facilities and works</b>					
<i>Upgrade of the northern access road to Wooyung Road</i>					
<i>Upgrade intersection of northern access road and Wooyung Road</i>					

<sup>1</sup> Non-specific works would be constructed progressively as funding permits

## **ATTACHMENT D**

Please refer to the attached PDF document.



# North Byron Parklands Cultural Events Site

State Significant Development &  
Modification Assessment

SSD 8169

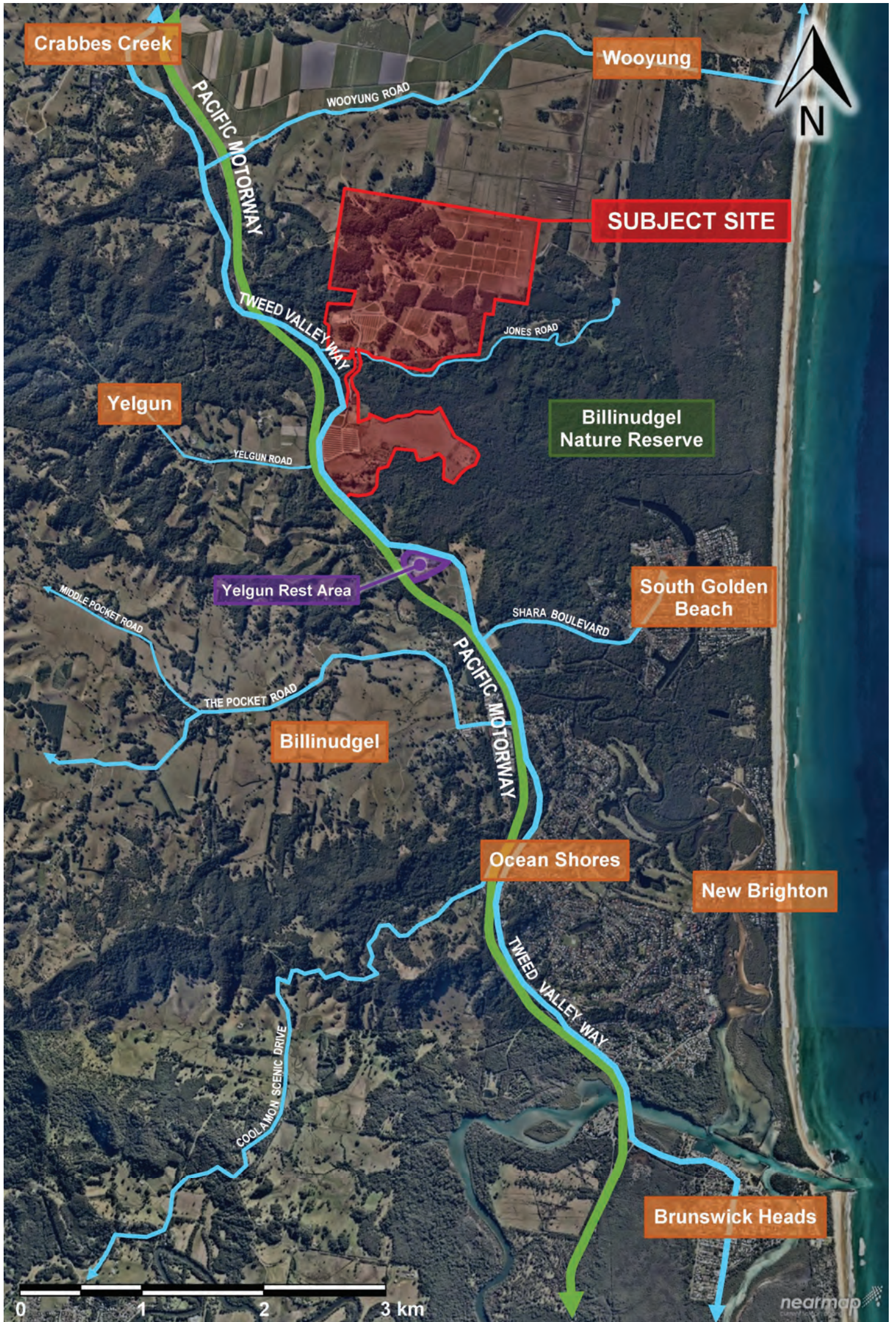
MP 09\_0028 MOD 3 (Concept Plan)

SPLENDOUR  
SHINES  
GRASS



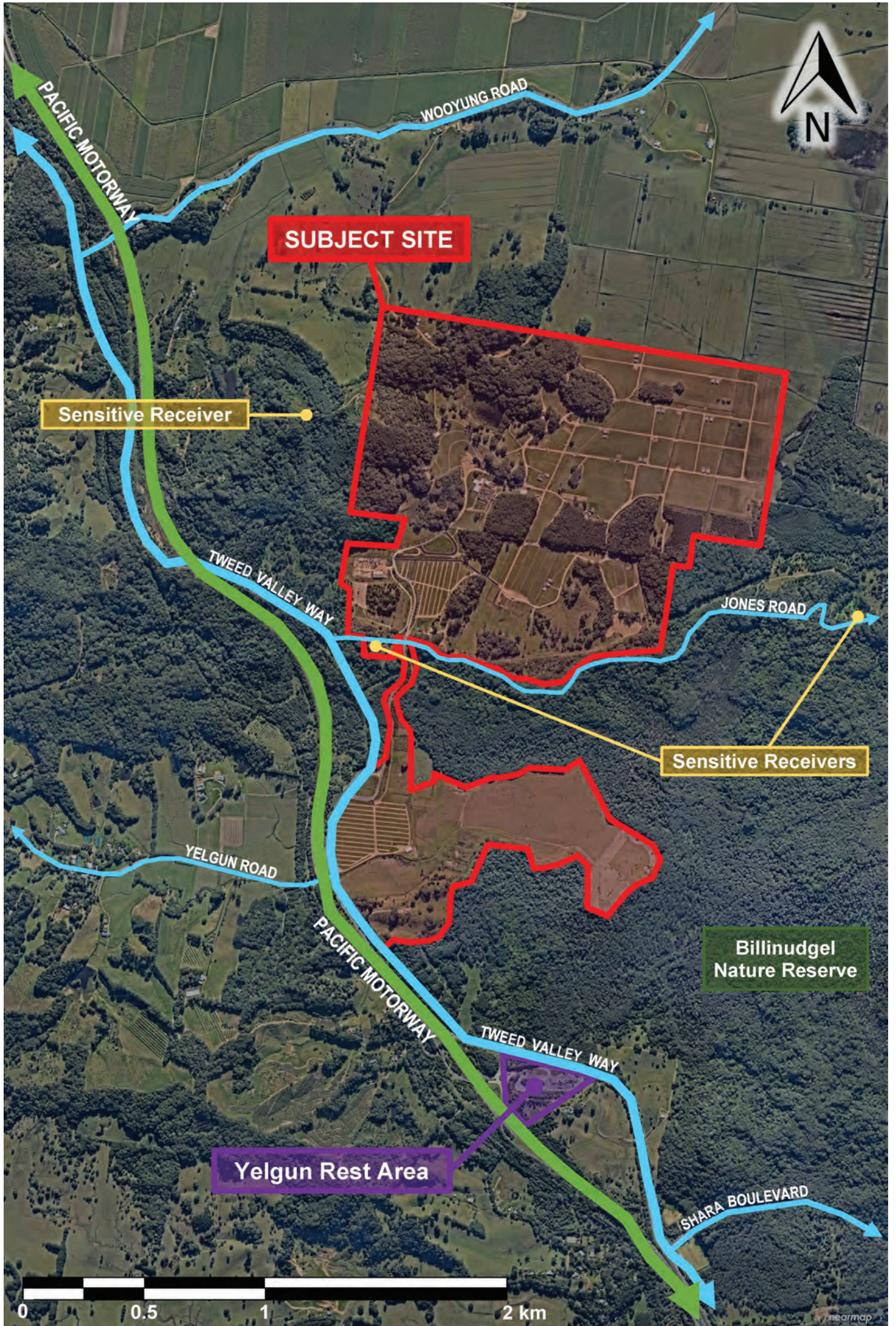






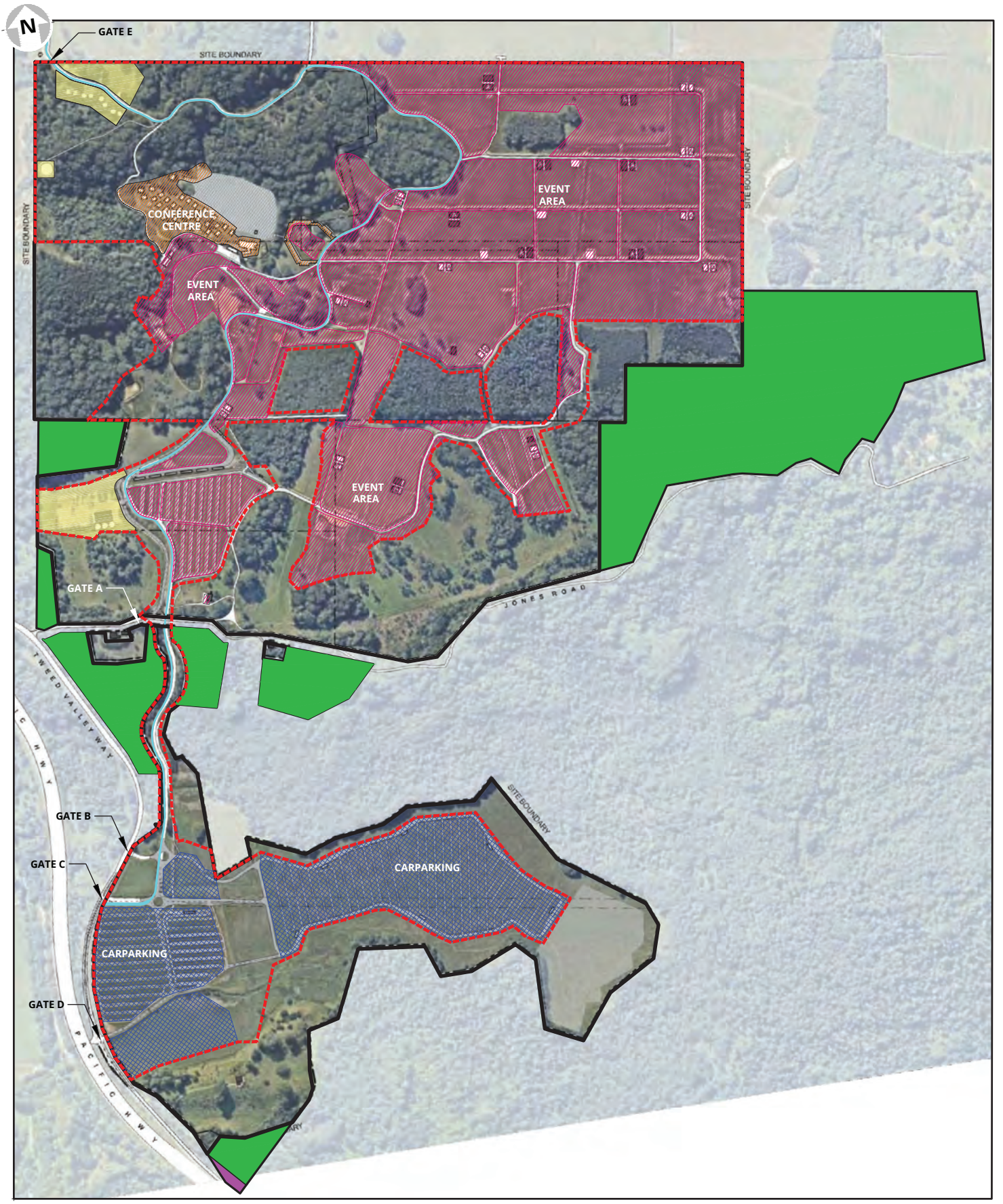
**Figure 2** | Overview of the site and surrounding towns/villages





**Figure 3 |** Overview of the site and its immediate surrounds





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1:8000 (@ A3)



Date November 2017  
Author Planners North  
Reference 1287.1694

**Legend:**

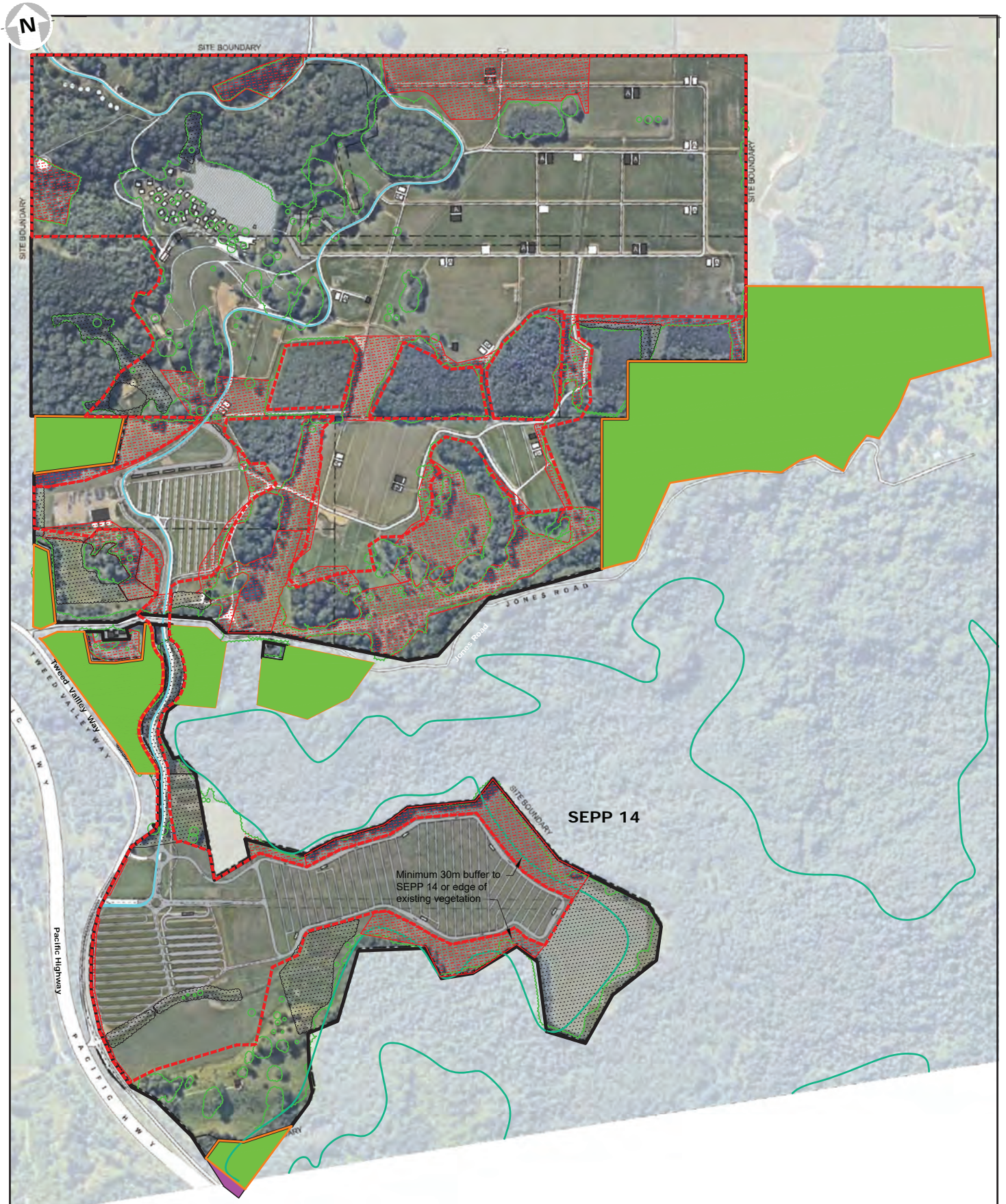
- Parklands site
- Core event & conference centre use areas
- Parklands Drive
- Active event access lane
- Land dedicated to NPWS
- Proposed road reserve widening
- Proposed event & camping use area
- Carparking
- Conference centre precinct
- Infrastructure

**IMPORTANT NOTE |**  
Cadastral information is subject to survey. The alignment of the aerial photograph and vectorial overlays is approximate only. This plan is conceptual only and subject to detailed survey and design.  
Sources | Aerial Photography: Nearmap (July 2017) | Cadastre: Ardill Payne (2009) Updated July 2017 |

Prepared by  
Originally - design team ink  
azaCAD  
Updated - Planners North

Figure | **3.1**  
**Proposed Land Use Structure Plan**





0 150m  
1:8000 (@ A3)

**Legend:**

- Parklands site
- Core event & cultural centre use areas
- Parklands Drive
- Existing vegetation to be protected
- Habitat management
- SEPP 14 Wetlands
- Managed parkland
- Land to be dedicated to NPWS
- Proposed road reserve widening



Date	November 2017
Author Reference	Planners North 1287.1694

**IMPORTANT NOTE |** Cadastral information is subject to survey. The alignment of the aerial photograph and vectorial overlays is approximate only.  
**Sources |** Aerial Photography: Nearmap (July 2017) | Cadastre: Ardill Payne (2009) Updated 2017 | Ecological Values: Mark Fitzgerald (2015) Updated 2017

Prepared by  
 Originally - design team ink  
 Updated - Planners North

Figure | **6.24**  
**Proposed**  
**Ecological Structure Plan**



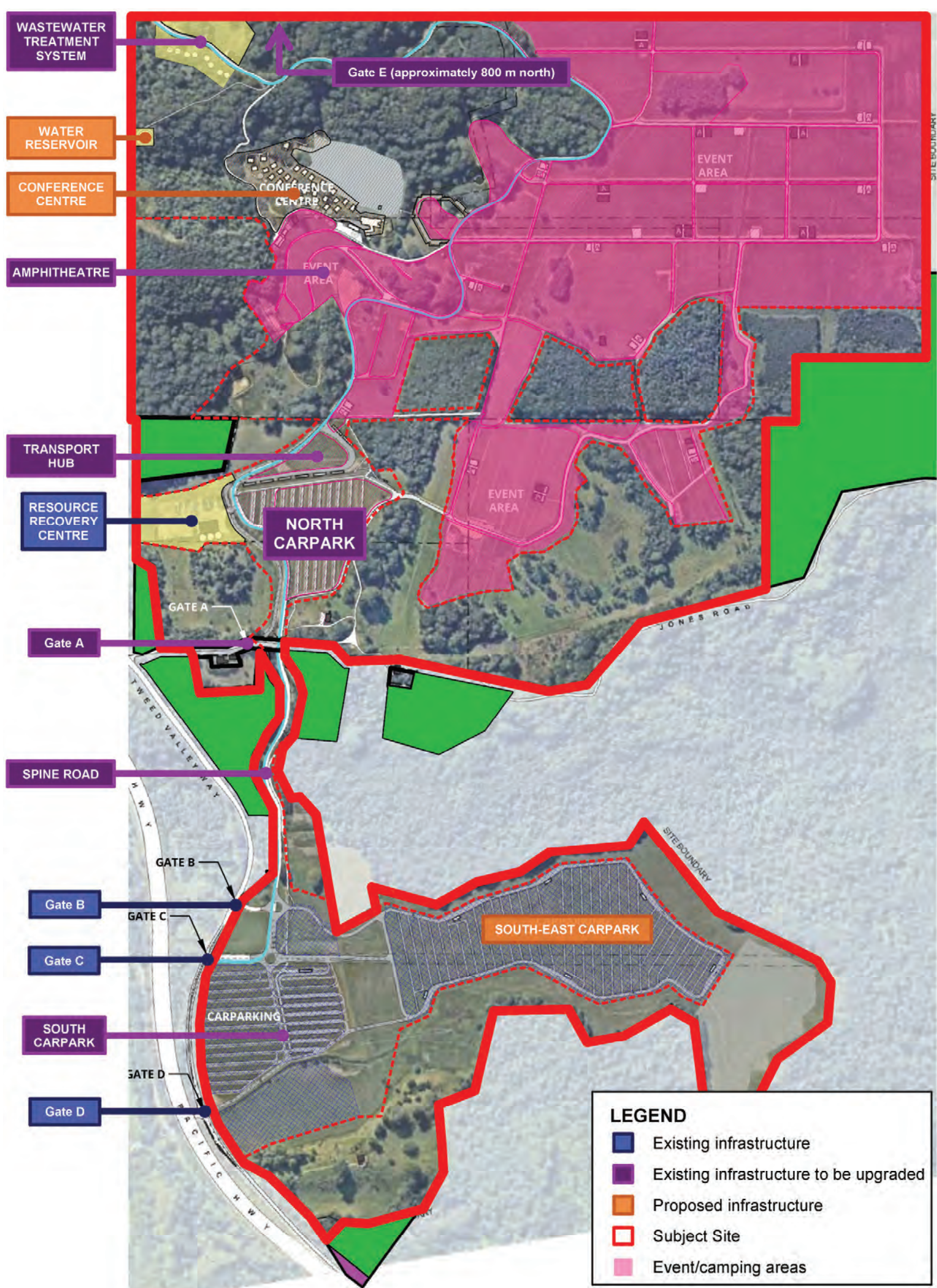
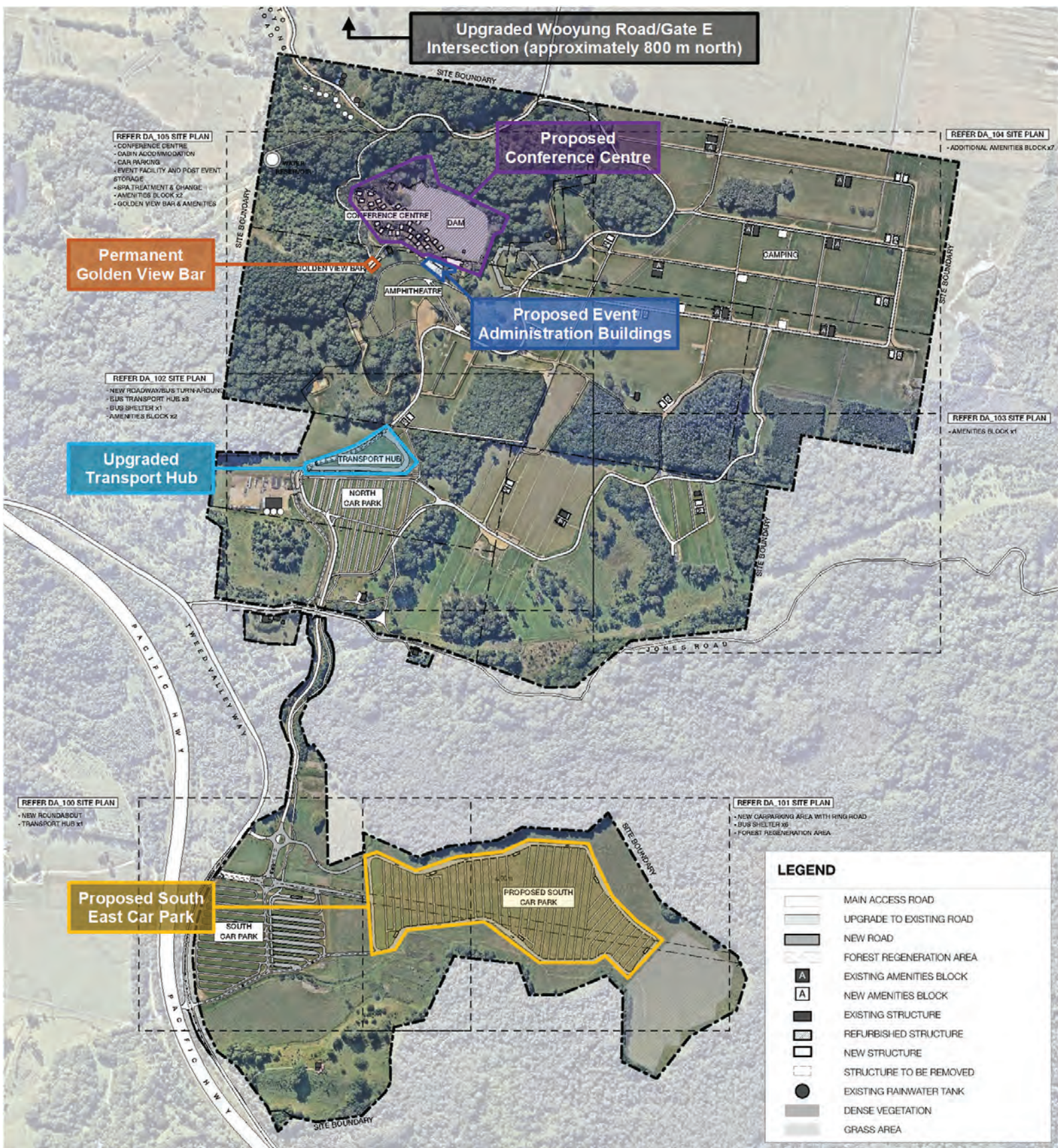


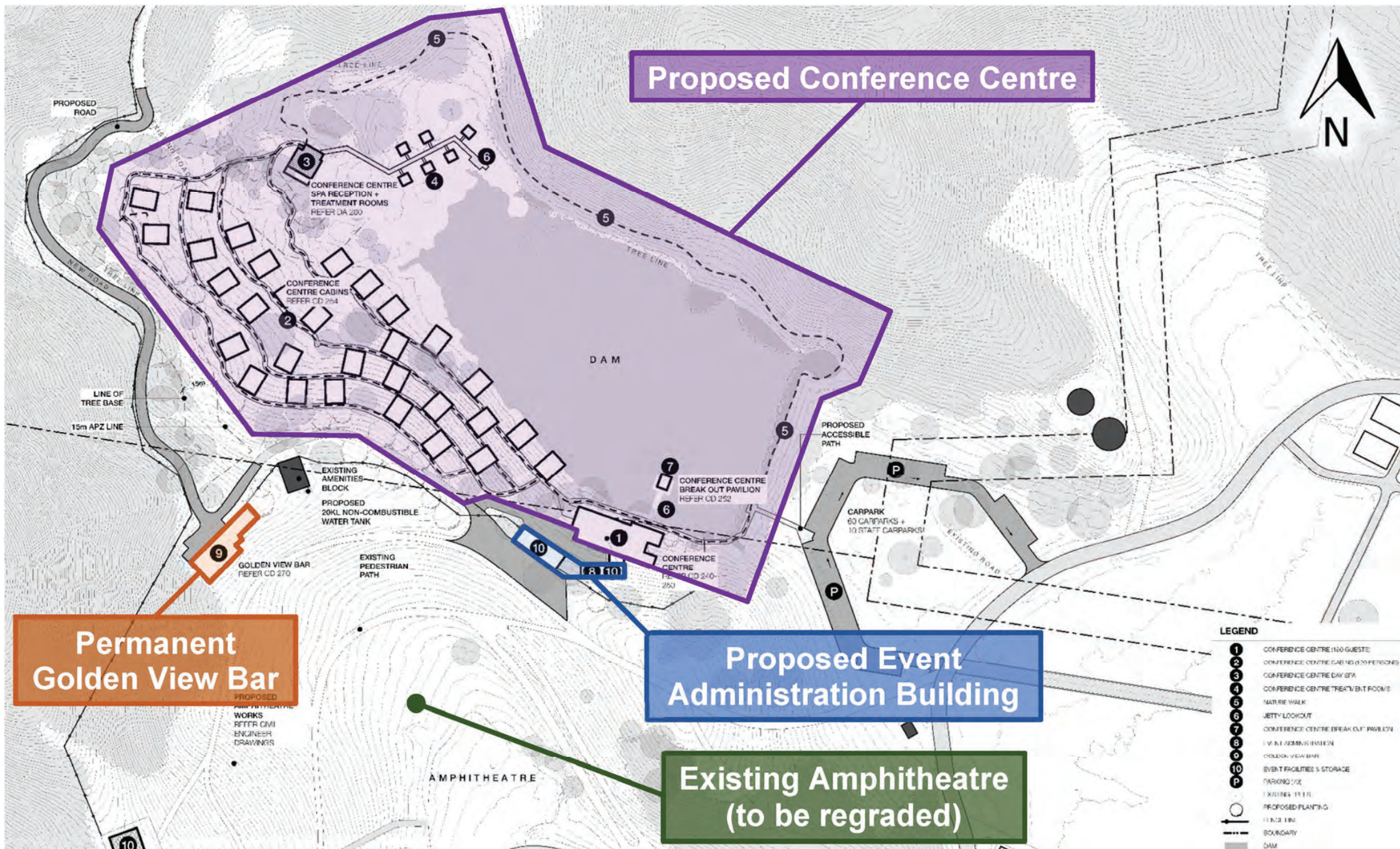
Figure 4 | Proposed land use structure plan





**Figure 5 |** Overview of the proposed DAM development, including key infrastructure upgrades





**Figure 6 |** Overview of the proposed conference centre and event administration building



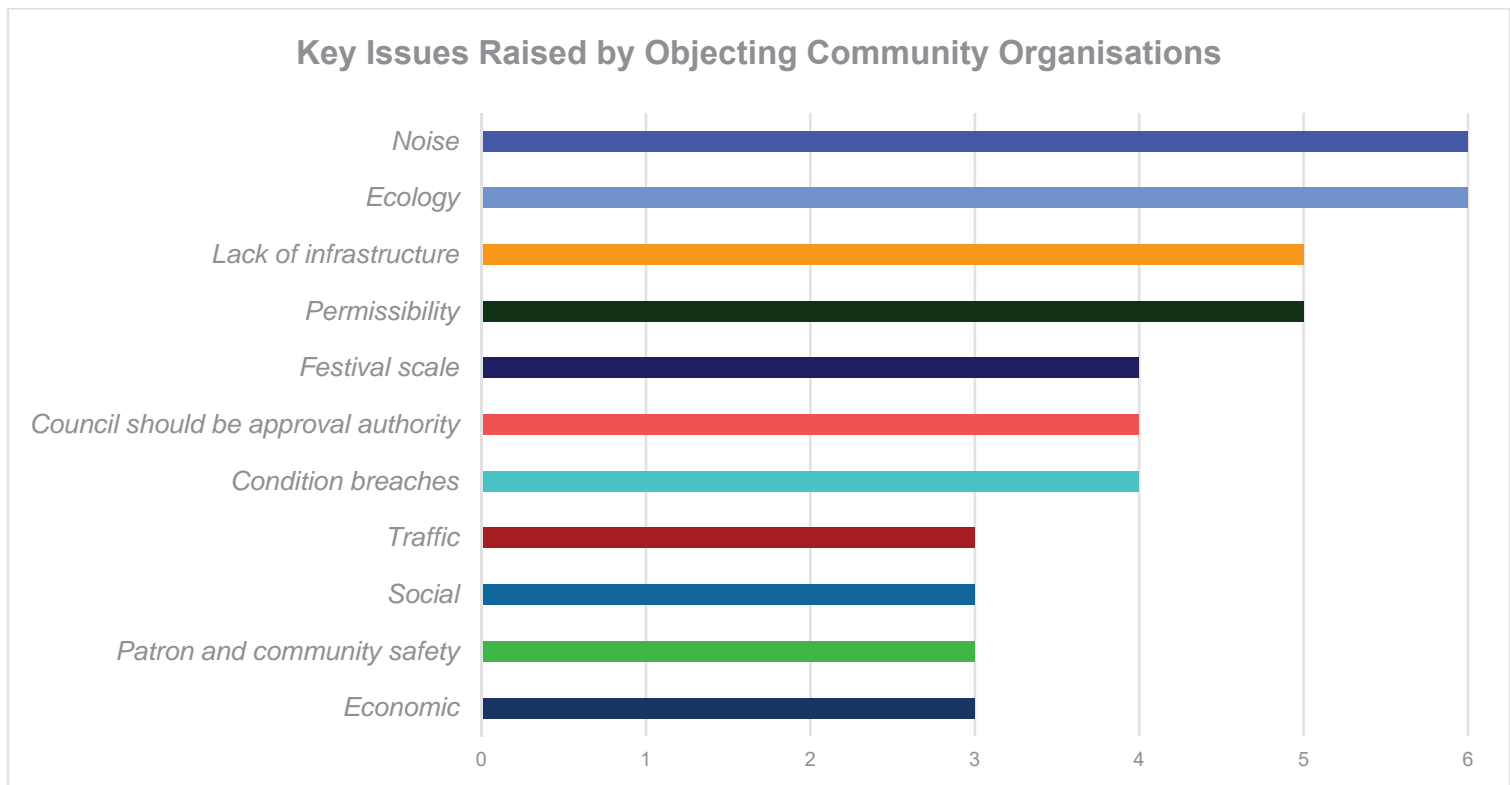
**Table 5** | Applicant's proposed staging plan

Infrastructure	To be constructed prior to reaching:			
	35,000 Patrons	42,500 Patrons	50,000 Patrons	Non-specific <sup>1</sup>
<i>Conference centre and associated accommodation</i>				
<i>Administration building</i>				
<b>Event area facilities and works</b>				
<i>Regrading/terracing of the main amphitheatre</i>				
<i>Drainage improvement works</i>				
<i>Potable water supply infrastructure</i>				
<i>Sewerage infrastructure and additional amenities</i>				
<i>Electrical and communications infrastructure</i>				
<i>Security fencing</i>				
<b>On-site road and transport facilities and works</b>				
<i>Construction of the southeast car park</i>				
<i>Construction of roundabouts</i>				
<i>Construction of southern pick-up and drop-off zones</i>				
<i>Expansion of the transport hub</i>				
<i>Gate A works to improve public transport accessibility</i>				
<i>Spine road upgrades (widening and sealing)</i>				
<i>Event laneway upgrades (rebuilding and sealing)</i>				
<i>Construction of additional on-site bus stops</i>				
<b>Off-site road and transport facilities and works</b>				
<i>Upgrade of the northern access road to Wooyung Road</i>				
<i>Upgrade intersection of northern access road and Wooyung Road</i>				

<sup>1</sup> Non-specific works would be constructed progressively as funding permits

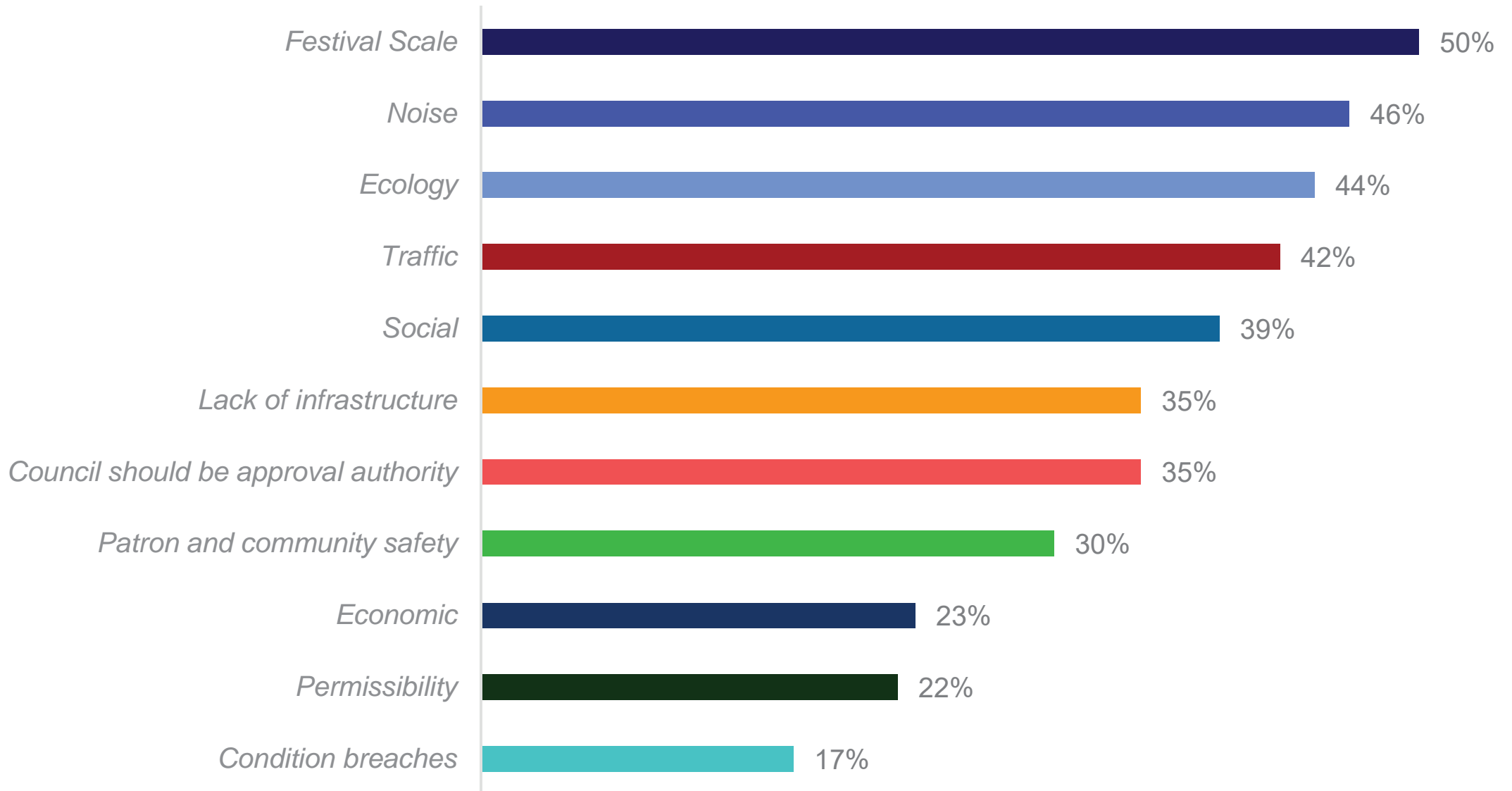
**Table 7** | Summary of key issues raised in the nature of objection within community group submissions

	Australians for Animals	Byron Environment Centre	Conservation of North Ocean Shores	Mullumbimby Residents Association	Pottsville Community Organisation	South Golden Beach Community Association
Noise	1	1	1	1	1	1
Ecology	1	1	1	1	1	1
Lack of infrastructure	1	1	0	0	1	1
Permissibility	1	1	1	1	0	1
Festival scale	0	1	1	1	0	1
Council should be the approval authority	1	1	0	0	1	1
Condition breaches	1	1	1	0	0	1
Traffic	1	0	0	0	1	1
Social	1	1	0	0	0	1
Patron and community safety	1	0	0	0	1	0
Economic	1	1	1	0	0	0



**Figure 7** | Number of community organisations that raised key issues in their objection

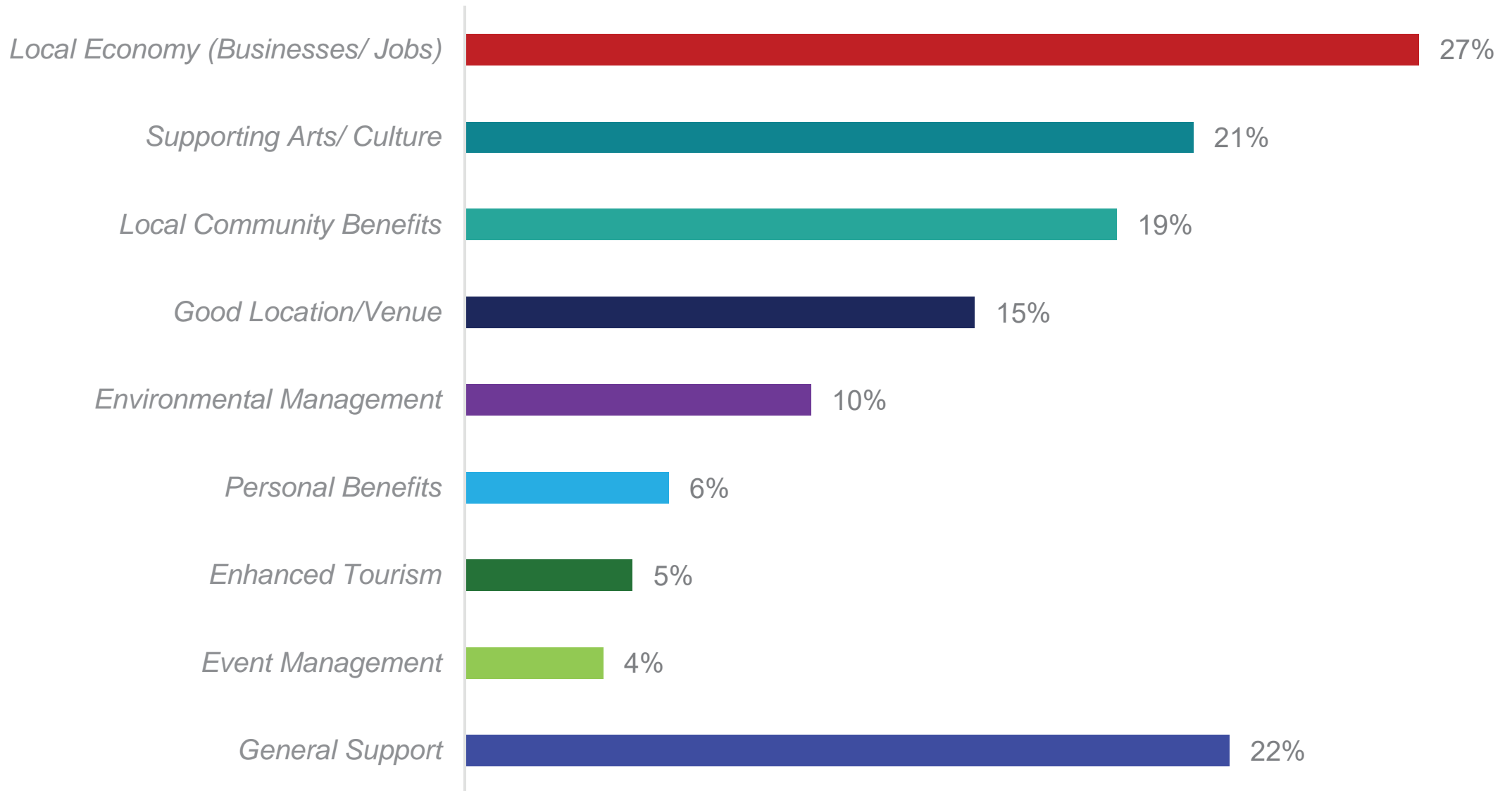
## Key Issues by Proportion of Total Objections



**Figure 8** | Key issues identified in objecting submissions

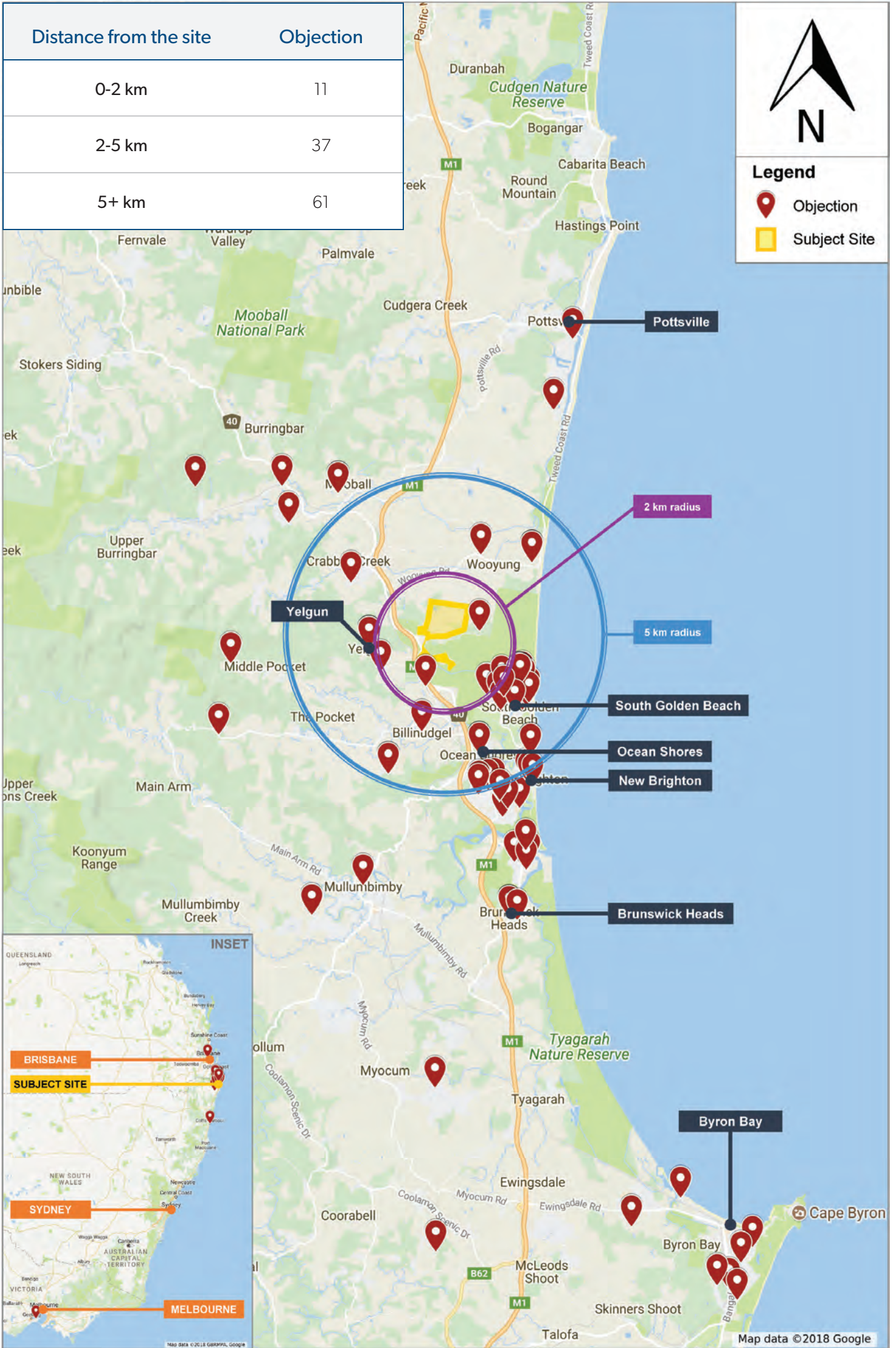


## Key Issues by Proportion of Total Website Submissions in Support



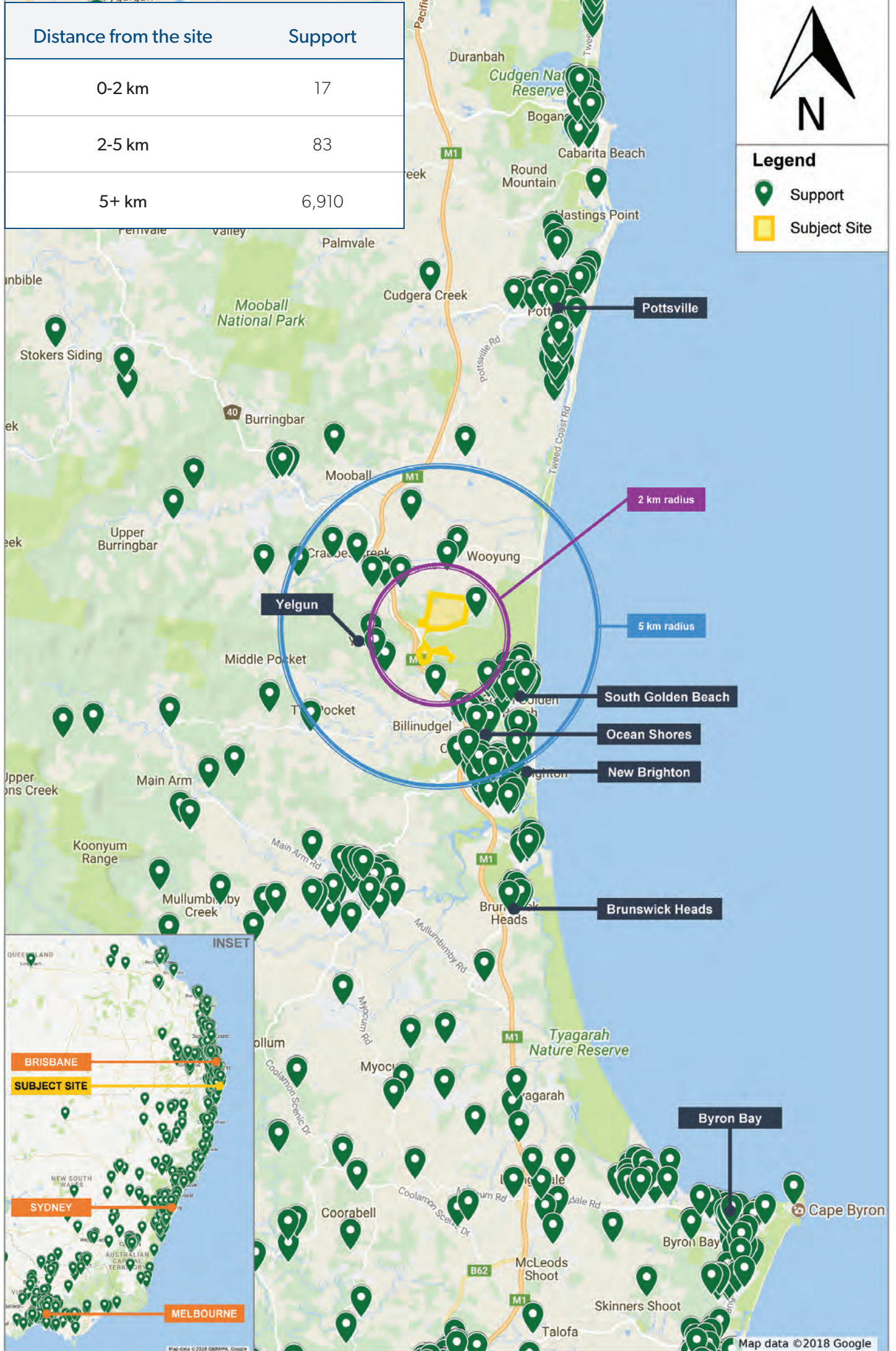
**Figure 10** | Key issues identified in supporting website submissions

Distance from the site	Objection
0-2 km	11
2-5 km	37
5+ km	61



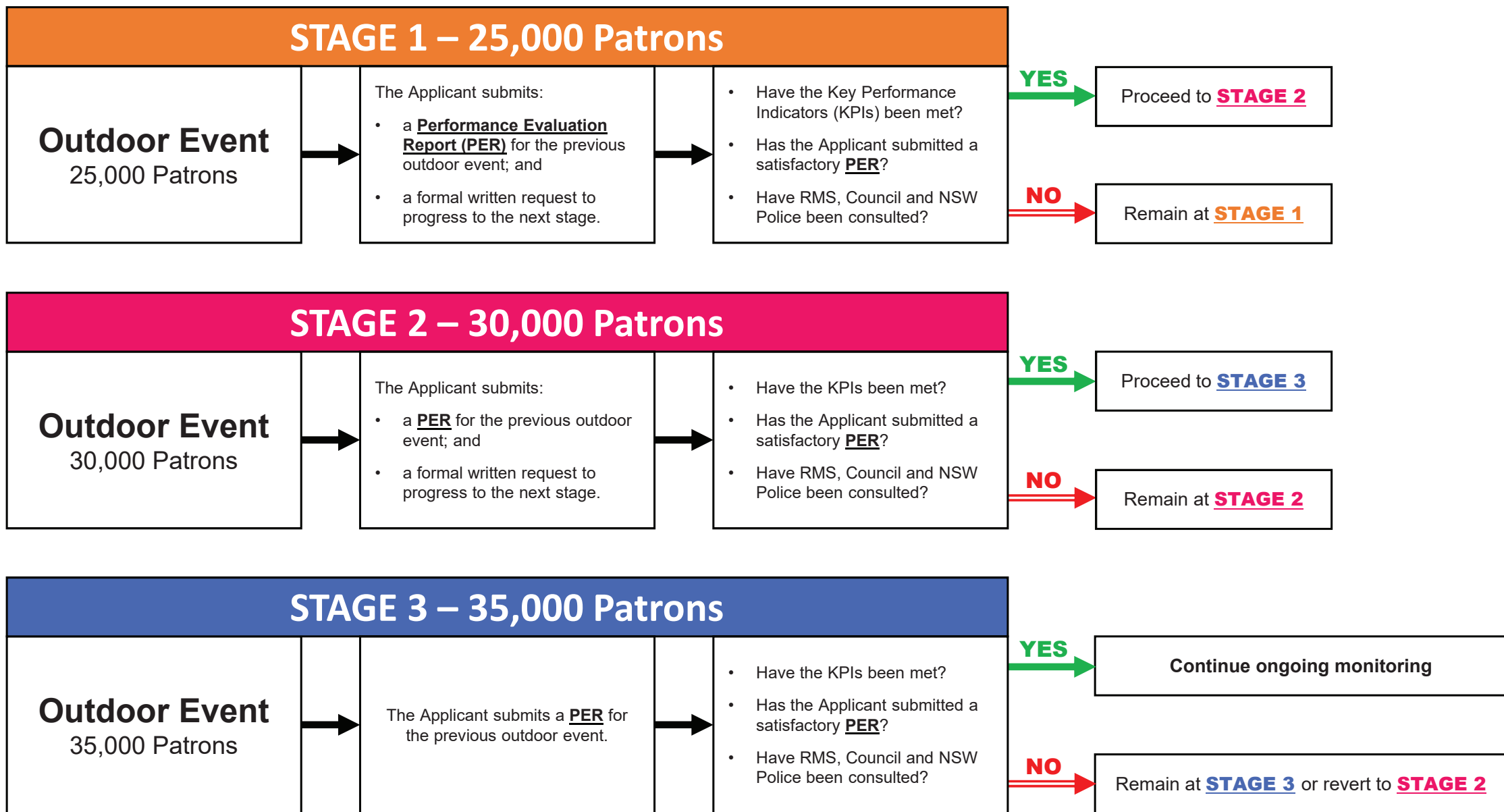
**Figure 9** | An indicative representation of the location of objecting submissions



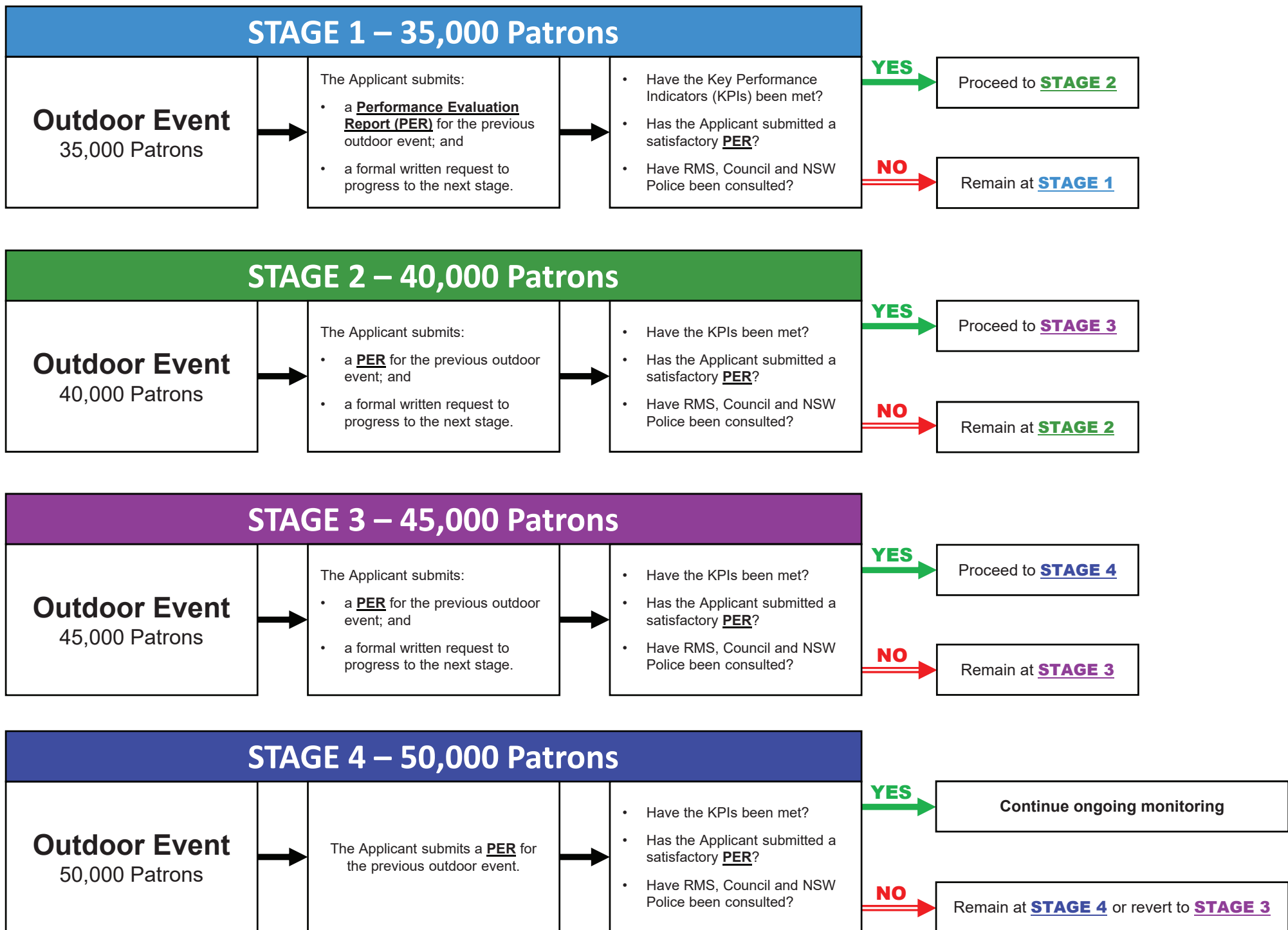


**Figure 11** | An indicative representation of the location of public supporting submissions





**Figure 12a** | Proposed Staged Increase for the Falls Festival Event

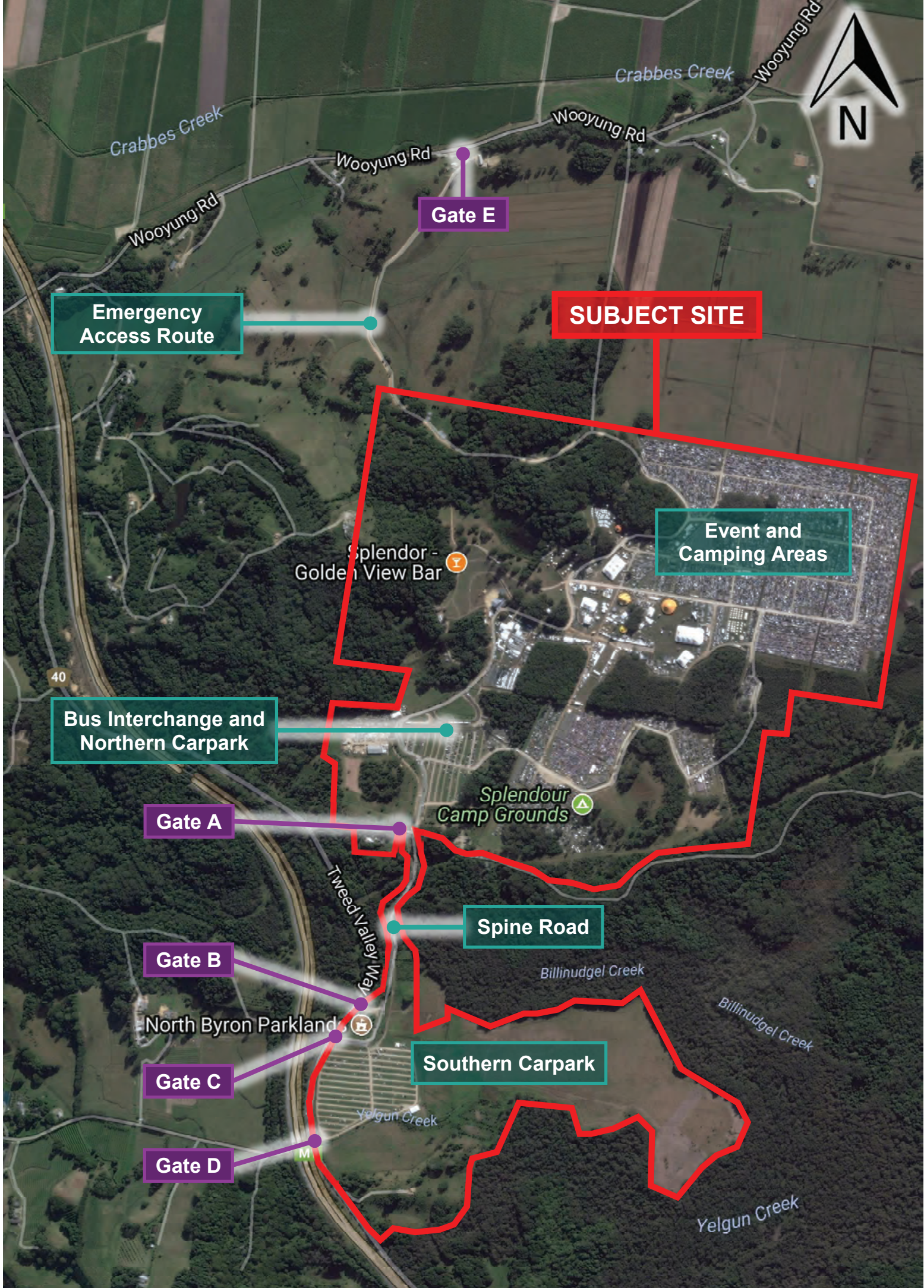


**Figure 12b** | Proposed Staged Increase for the SITG Event



**Figure 13 |** Regional Road Network





**Figure 14 |** Site Access Gates and Internal Road Infrastructure During SITG 2014



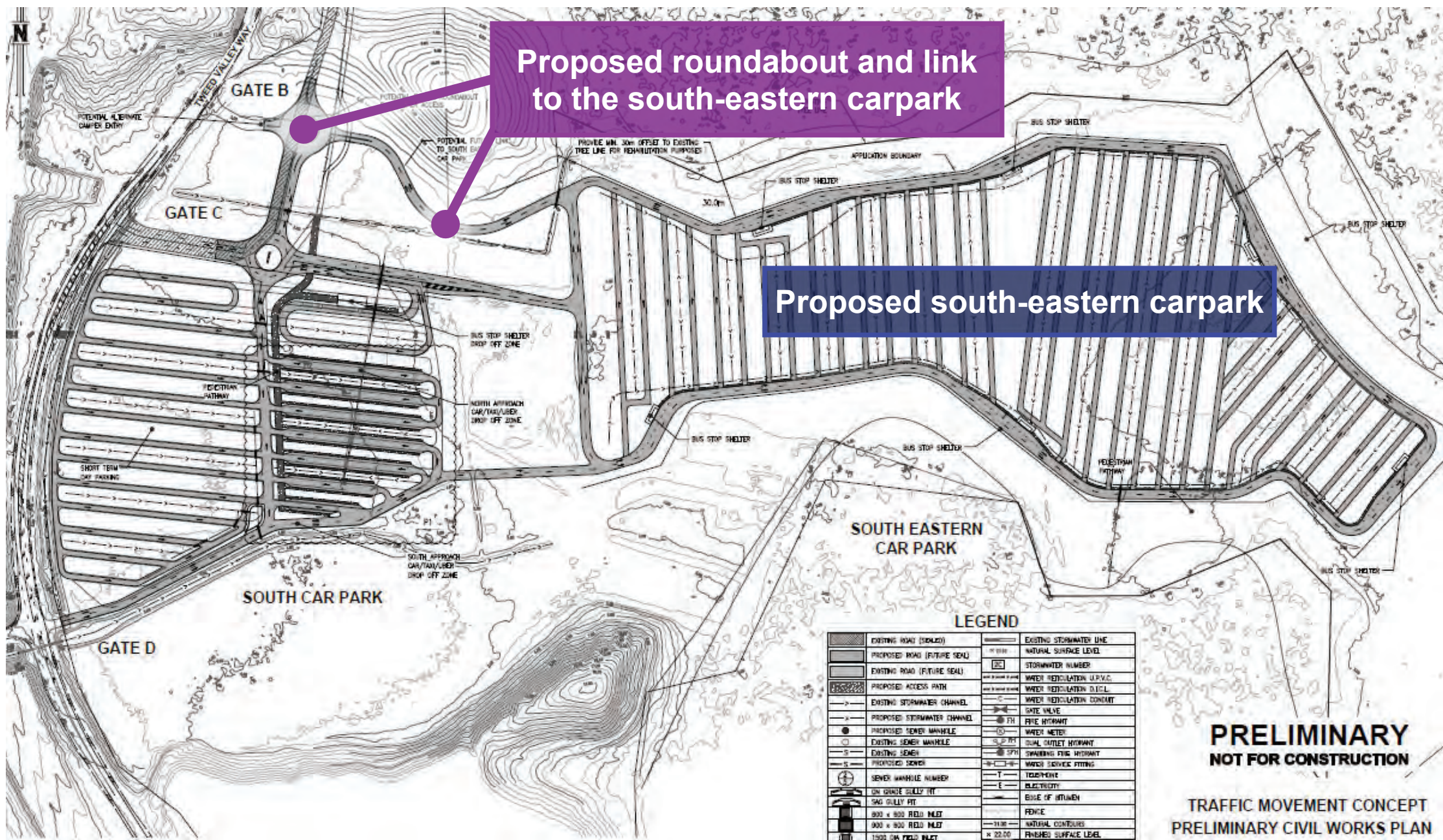
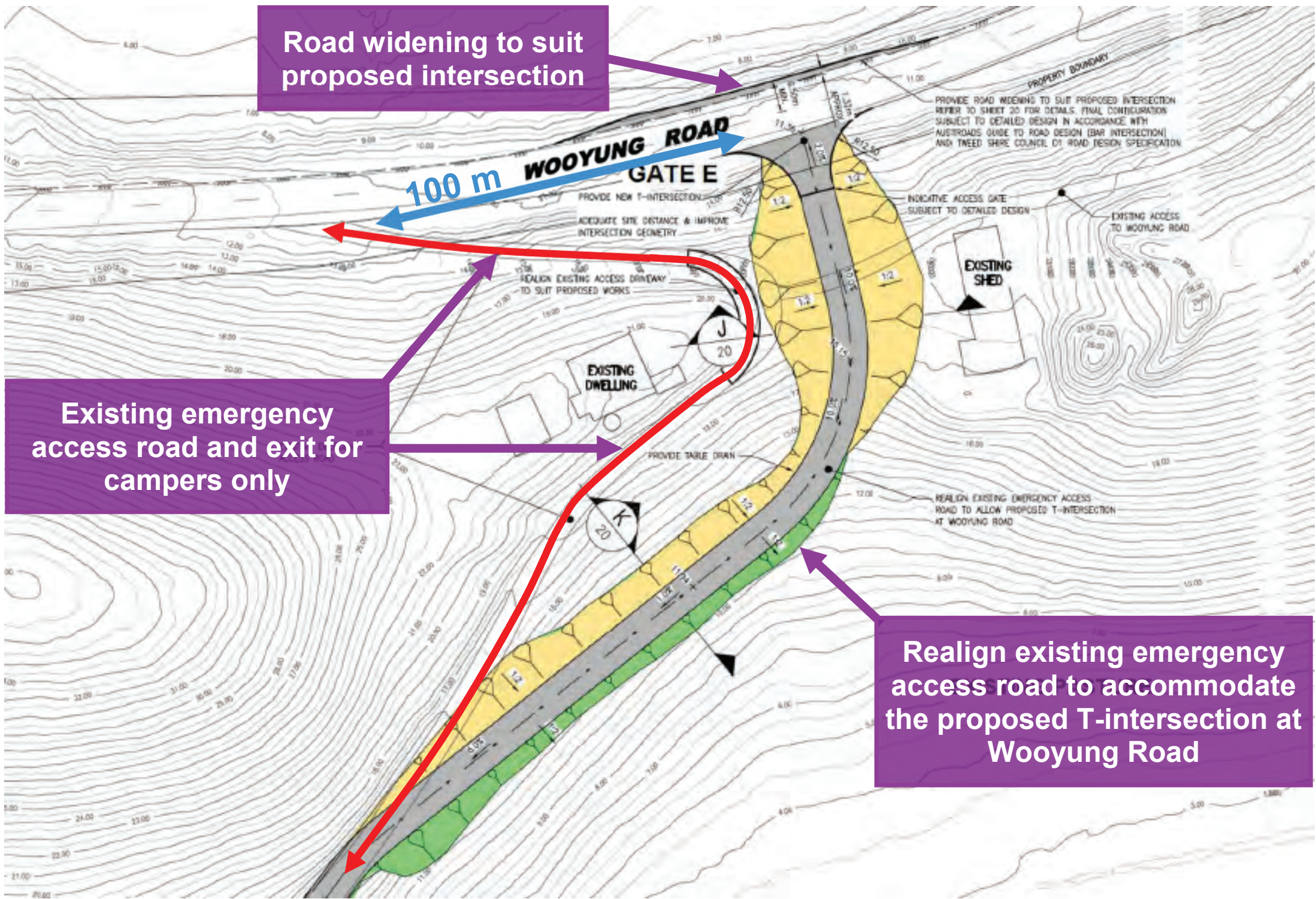


Figure 15 | On-site infrastructure works at the southern end of the site



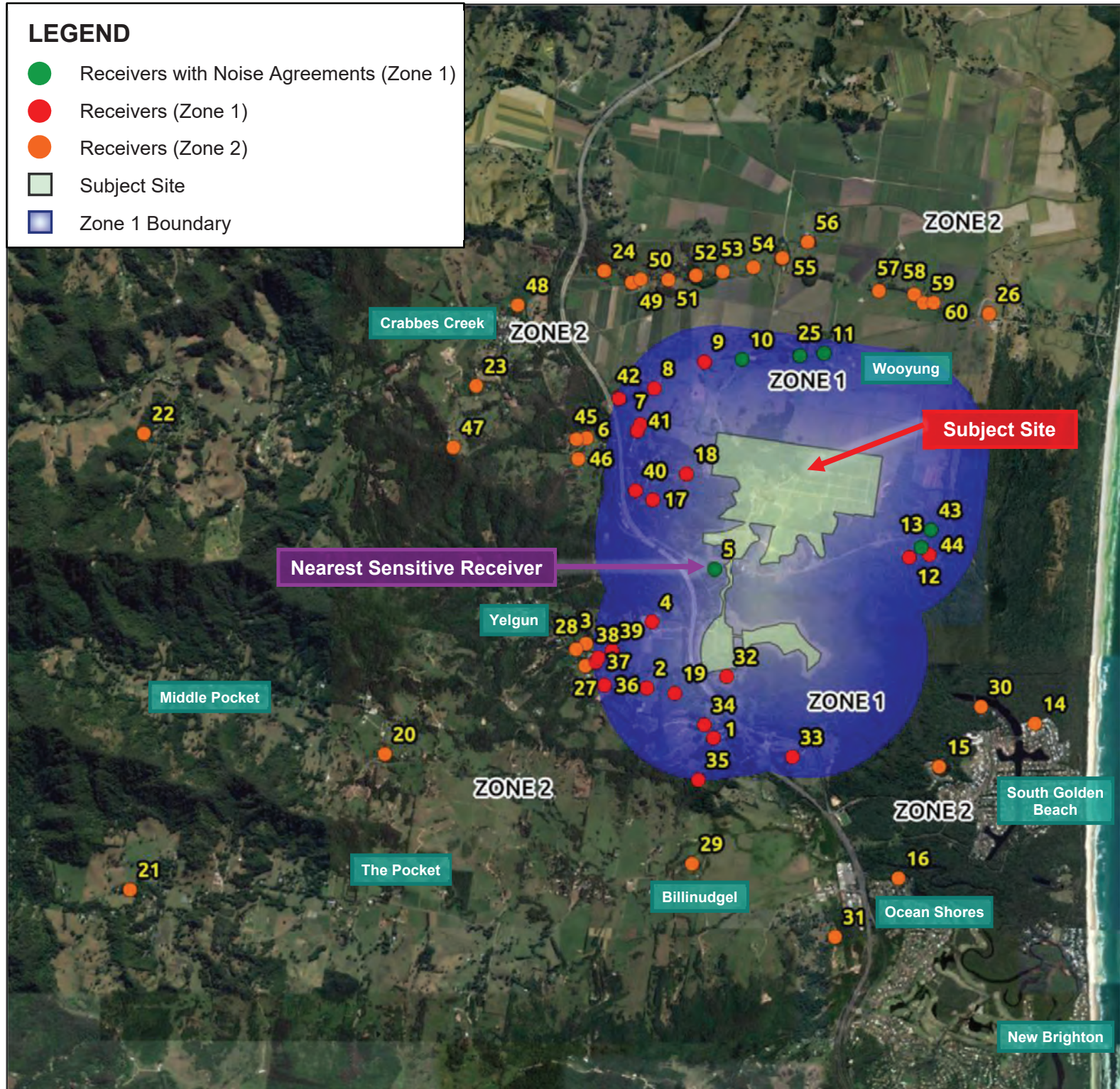


**Figure 16 |** Wooyung Road and Gate E Intersection Works



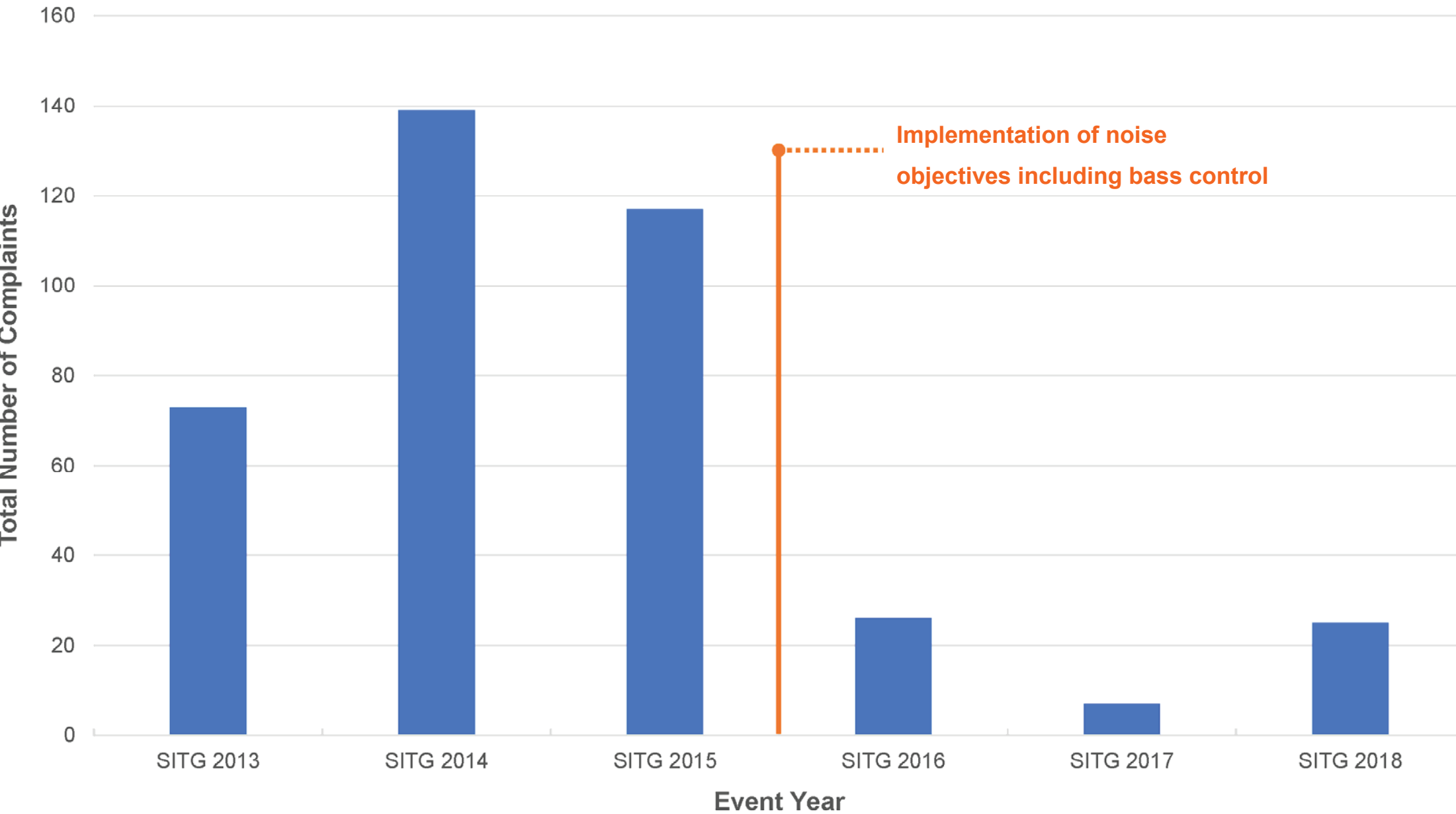
### LEGEND

- Receivers with Noise Agreements (Zone 1)
- Receivers (Zone 1)
- Receivers (Zone 2)
- Subject Site
- Zone 1 Boundary



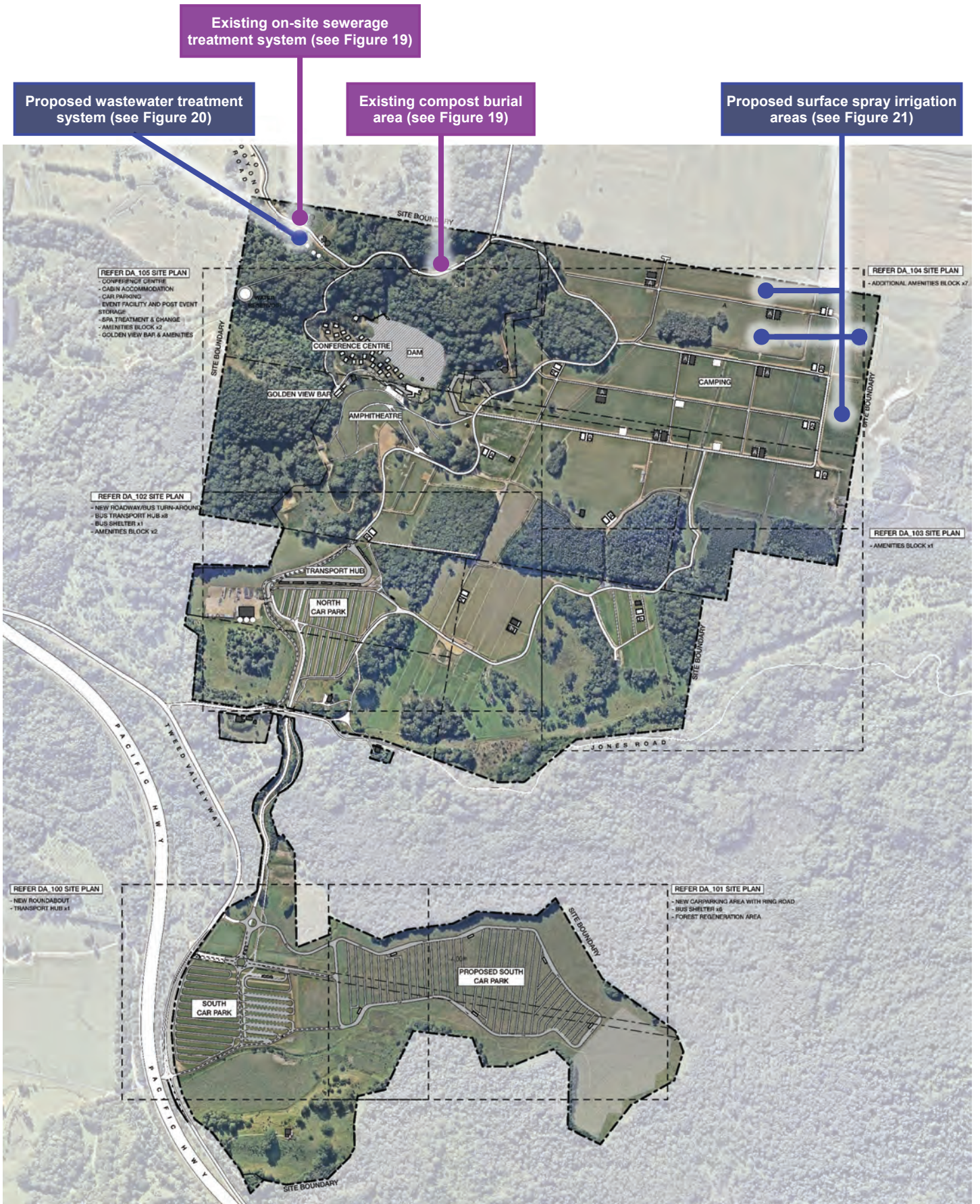
**Figure 17** | Site Location and Noise Sensitive Receptors

# Noise Complaints about Splendour in the Grass Music Festival



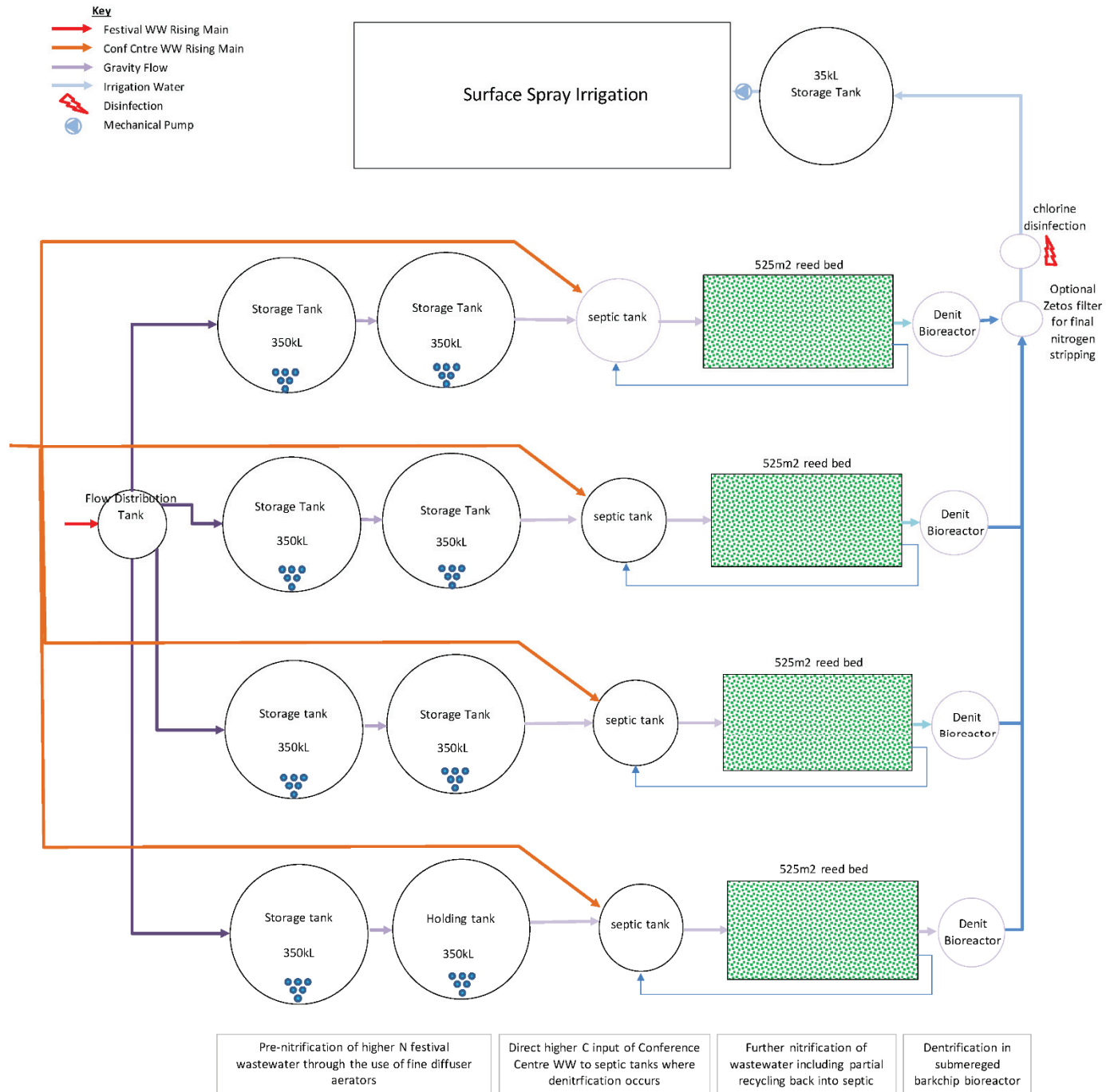
**Figure 18** | Summary of Noise Complaints 2013–2018





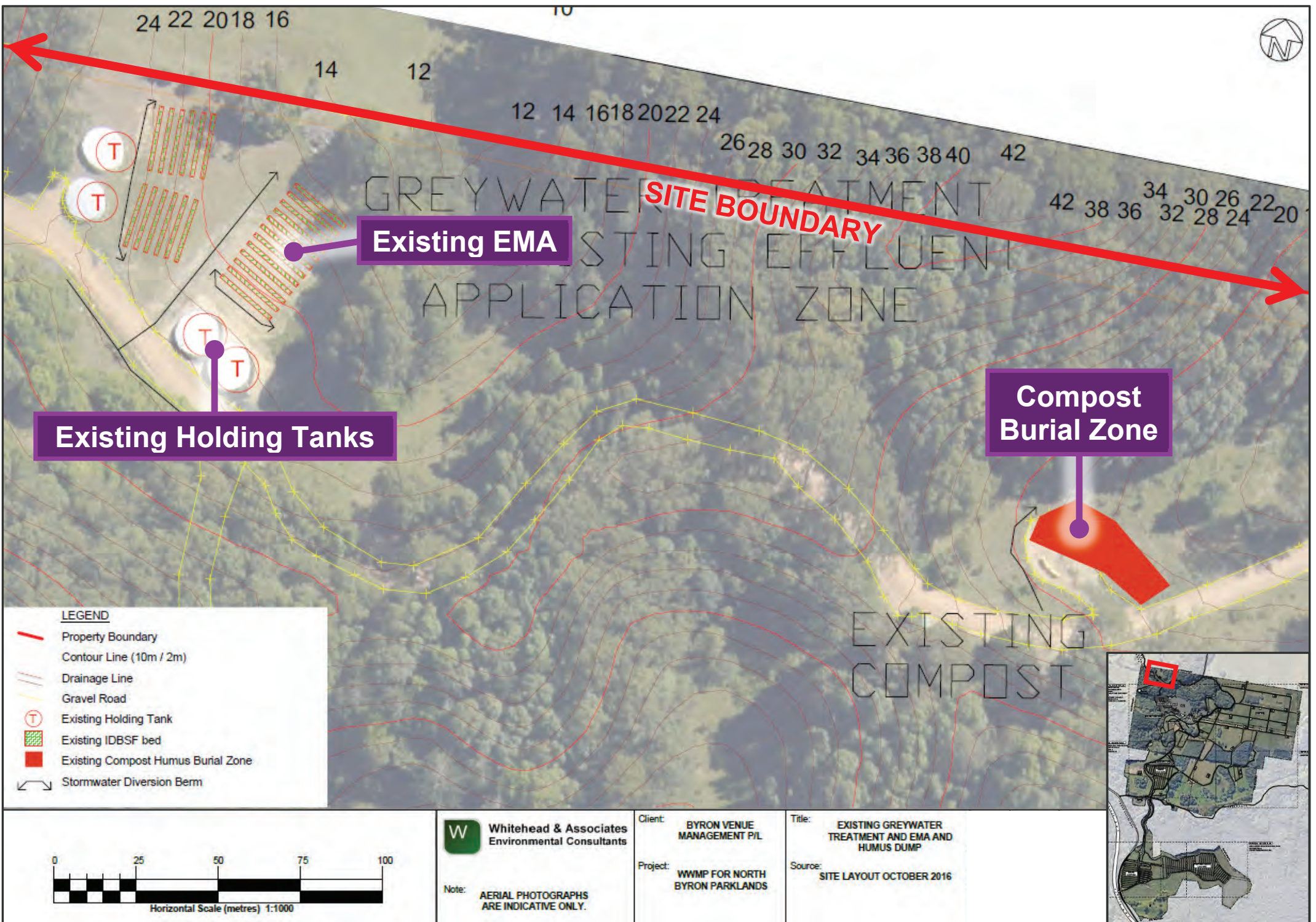
**Figure 19.1** | Location of existing and proposed wastewater treatment systems





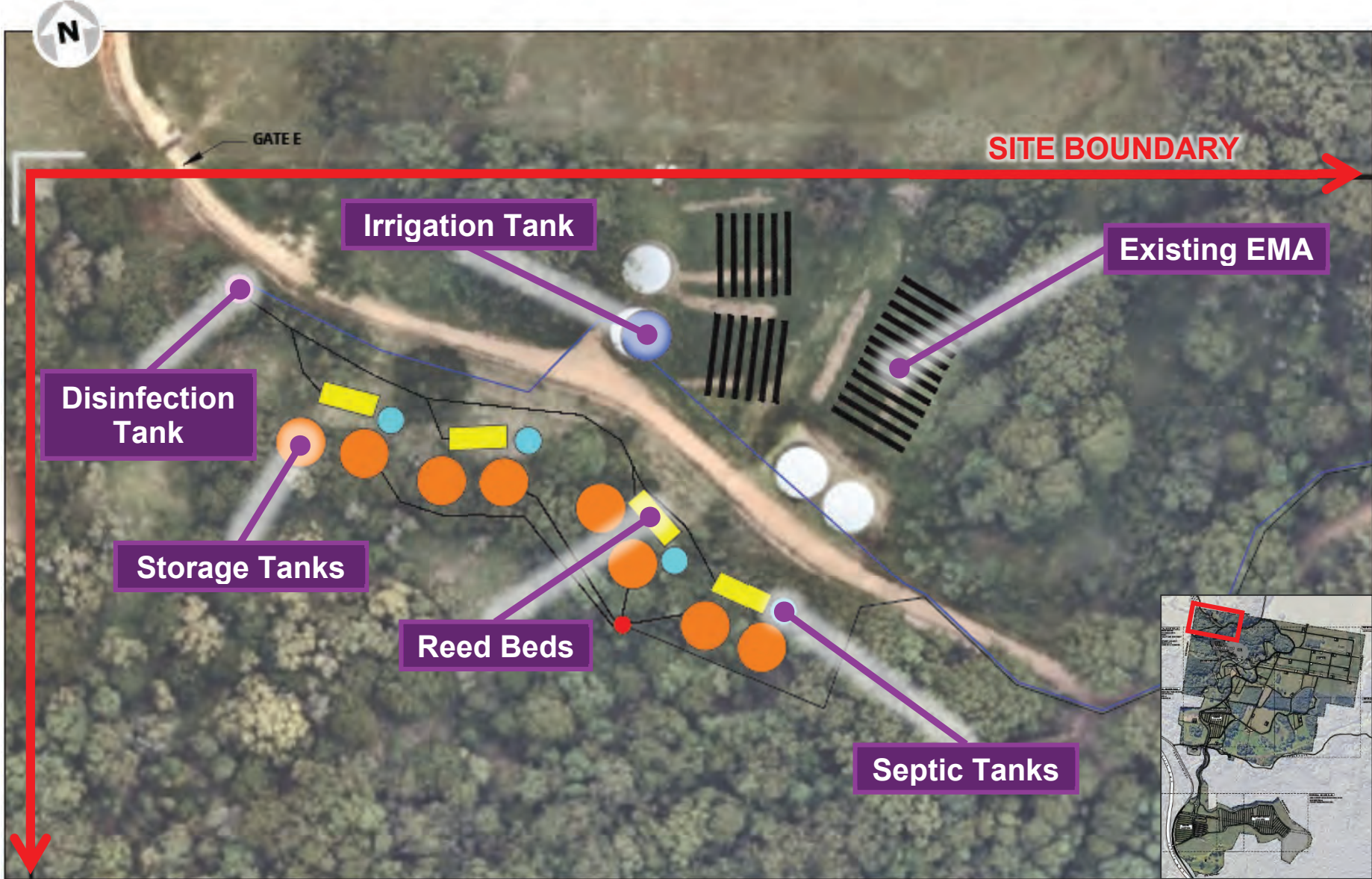
**Figure 19.2** | Schematic diagram of the proposed wastewater treatment system





**Figure 19 | Existing On-site Sewage Treatment System**



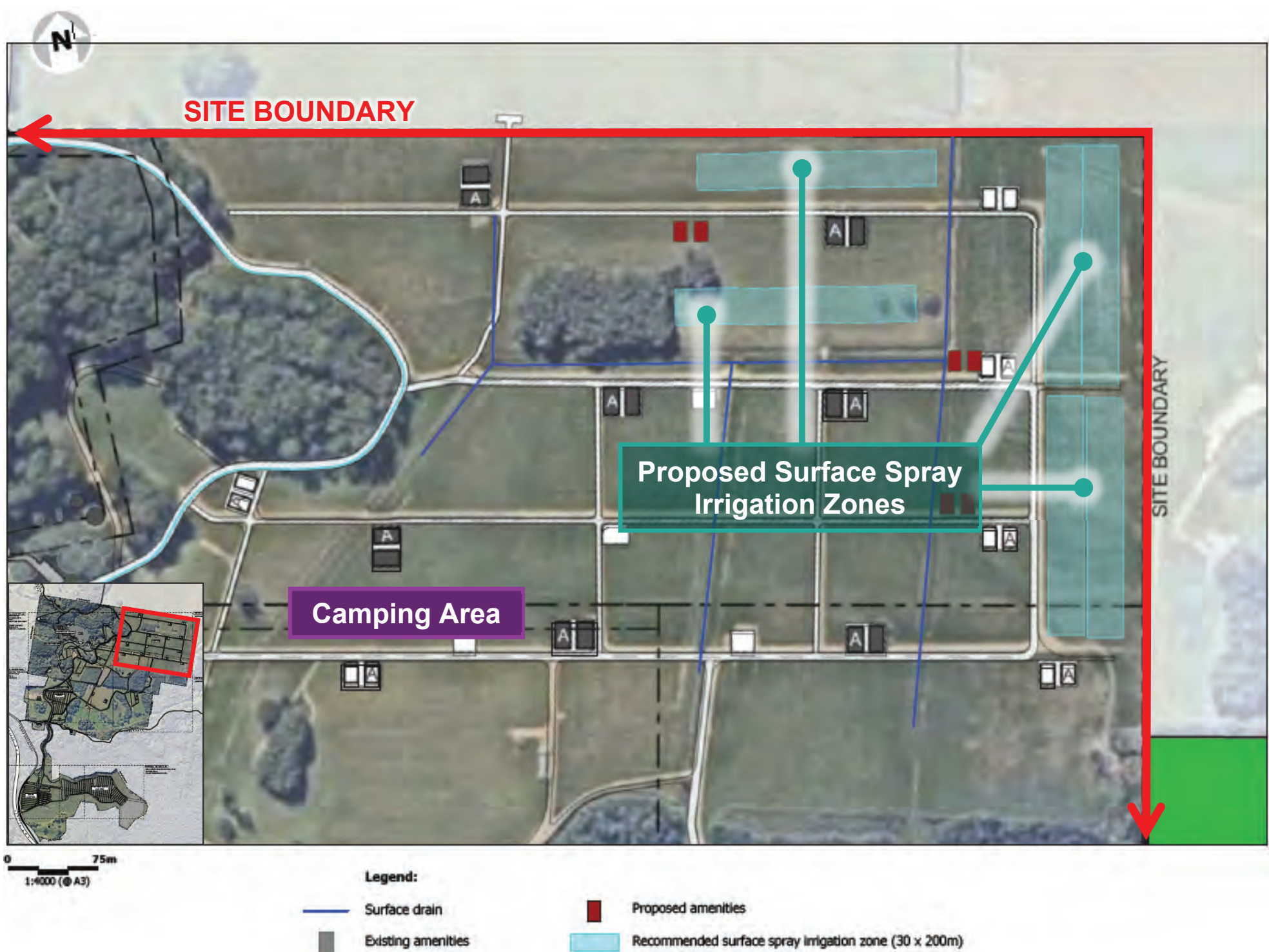


0 20m  
1:1250 (A3)

- Legend:**
- Drainage line
  - ▨ Existing IDBSF bed
  - Proposed Flow Distribution Tank
  - Proposed Storage Tank
  - Proposed Septic Tank
  - ▭ Proposed Reed Bed
  - Proposed Disinfection Tank
  - Proposed Irrigation Tank

**Figure 20 |** Proposed Wastewater Treatment System





**Figure 21** | Proposed location of the North-Eastern Effluent Management Area