



**DIRTART**

WORLD LEADERS IN TRAILS

Detailed Design Plan DRAFT

Project- Stage 1 George Town Mountain Bike Trails

Client- George Town Council

## Table of Contents

|          |                                  |           |
|----------|----------------------------------|-----------|
| <b>1</b> | <b>Introduction.....</b>         | <b>3</b>  |
| <b>2</b> | <b>Design process.....</b>       | <b>3</b>  |
| <b>3</b> | <b>Land Tenure .....</b>         | <b>4</b>  |
| <b>4</b> | <b>Proposed New Trails .....</b> | <b>4</b>  |
| 4.1      | Overview .....                   | 4         |
| 4.2      | Trail Maps .....                 | 4         |
| 4.3      | Trail One .....                  | 9         |
| 4.4      | Trail Two .....                  | 10        |
| 4.5      | Trail Three .....                | 10        |
| 4.6      | Trail Four .....                 | 11        |
| 4.7      | Trail Five.....                  | 11        |
| 4.8      | Trail Six.....                   | 12        |
| 4.9      | Trail Seven.....                 | 12        |
| 4.10     | Trail Eight .....                | 13        |
| 4.11     | Trail Nine.....                  | 13        |
| 4.12     | Trail 10 .....                   | 14        |
| 4.13     | Trail 11 .....                   | 14        |
| 4.14     | Trail 12 .....                   | 15        |
| 4.15     | Trail 13 .....                   | 15        |
| 4.16     | Trail 14 .....                   | 16        |
| 4.17     | Trail 15 .....                   | 16        |
| 4.18     | Trail 16 .....                   | 17        |
| 4.19     | Trail 17 .....                   | 17        |
| 4.20     | Trail 18 .....                   | 18        |
| 4.21     | Trail 19 .....                   | 18        |
| 4.22     | Trail 20 .....                   | 19        |
| 4.23     | Trail 21 .....                   | 19        |
| 4.24     | Trail 22 .....                   | 20        |
| 4.25     | Trail 23 .....                   | 20        |
| 4.26     | Trail 24 .....                   | 21        |
| <b>5</b> | <b>Conclusion .....</b>          | <b>22</b> |

## 1 Introduction

This report represents the second design phase in the George Town Mountain Bike Project. The report follows the initial report; *Trail Concept and Feasibility: George Town, Dirt Art Pty Ltd*.

In total 24 trails were ground truthed and designed, incorporating over 84km of trails.

The completed network provides a diverse trail experience for a wide range of trail users, catering for riders of all abilities.

The diverse network of trails provides a very different experience to other surrounding area trails such as Blue Derby, and complements the broader offering of mountain bike destinations both current and under development in Tasmania.

## 2 Design process

The design process commenced with concept design. Concept designs were based on desktop mapping, and limited on ground exploration.

*Dirt Art* used concept mapping data to guide the detailed design process in the field.

Minor network changes have been made, accommodating challenging areas of landscape, including rocky terrain.

The in-field design process involved two teams of two staff undertaking an extensive exploration of the site to determine optimal trail alignments. Alignments have been chosen based on their ease of construction, and on the quality of trail experience that they will provide.

*Dirt Art* has located the majority of the trails on a north/east aspect, providing a drier forest and ground type, ensuring the trails will cater well for year round riding.

All trails have been flagged in the field with flagging tape, and recorded via Garmin GPS device.

### 3 Land Tenure

As detailed in the previous concept, *Dirt Art* has worked to minimise the number of land tenure types across the project. The completed network design includes property managed by; George Town Council, Tasmanian Parks and Wildlife Service, and Bell Bay Aluminium.

At present, all land owners/managers are broadly supportive of the project.

### 4 Proposed New Trails

#### 4.1 Overview

A diverse trail network of 24 trails, covering a network size of 82km has been designed. The trails cater for all riding types and abilities, across a large area, which provides a number of access points. The network provides a rapid turn around uplift riding option on Mount George, which will be highly-popular with riders.

#### 4.2 Trail Maps

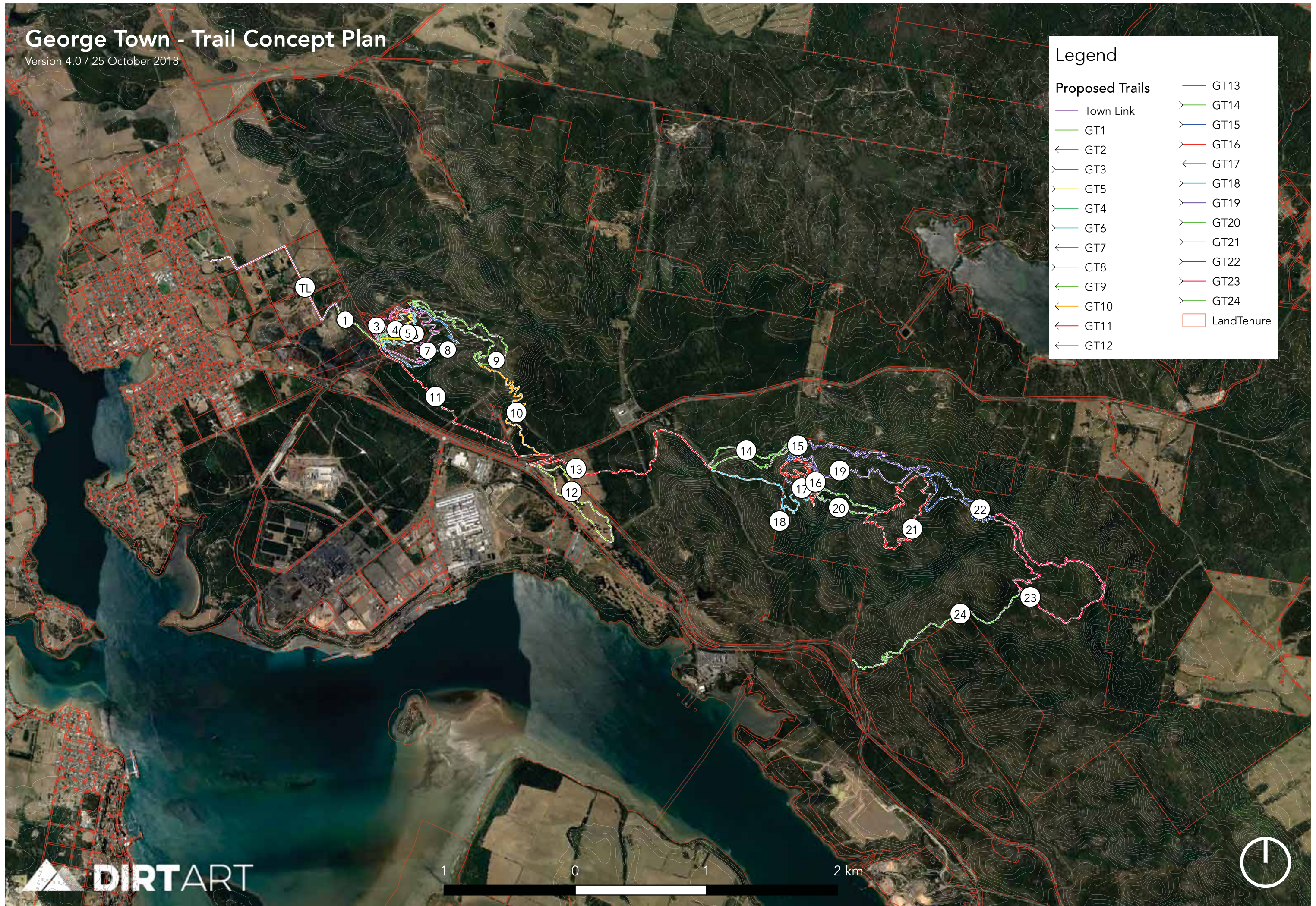
See trail maps over the page.

# George Town - Trail Concept Plan

Version 4.0 / 25 October 2018

## Legend

| Proposed Trails |              |
|-----------------|--------------|
| — Town Link     | — GT13       |
| — GT1           | — GT14       |
| — GT2           | — GT15       |
| — GT3           | — GT16       |
| — GT5           | — GT17       |
| — GT4           | — GT18       |
| — GT6           | — GT19       |
| — GT7           | — GT20       |
| — GT8           | — GT21       |
| — GT9           | — GT22       |
| — GT10          | — GT23       |
| — GT11          | — GT24       |
| — GT12          | — LandTenure |

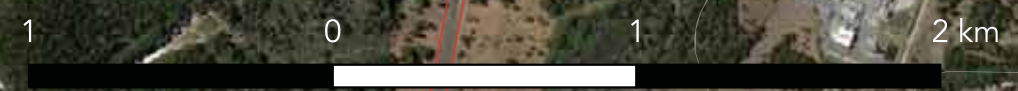
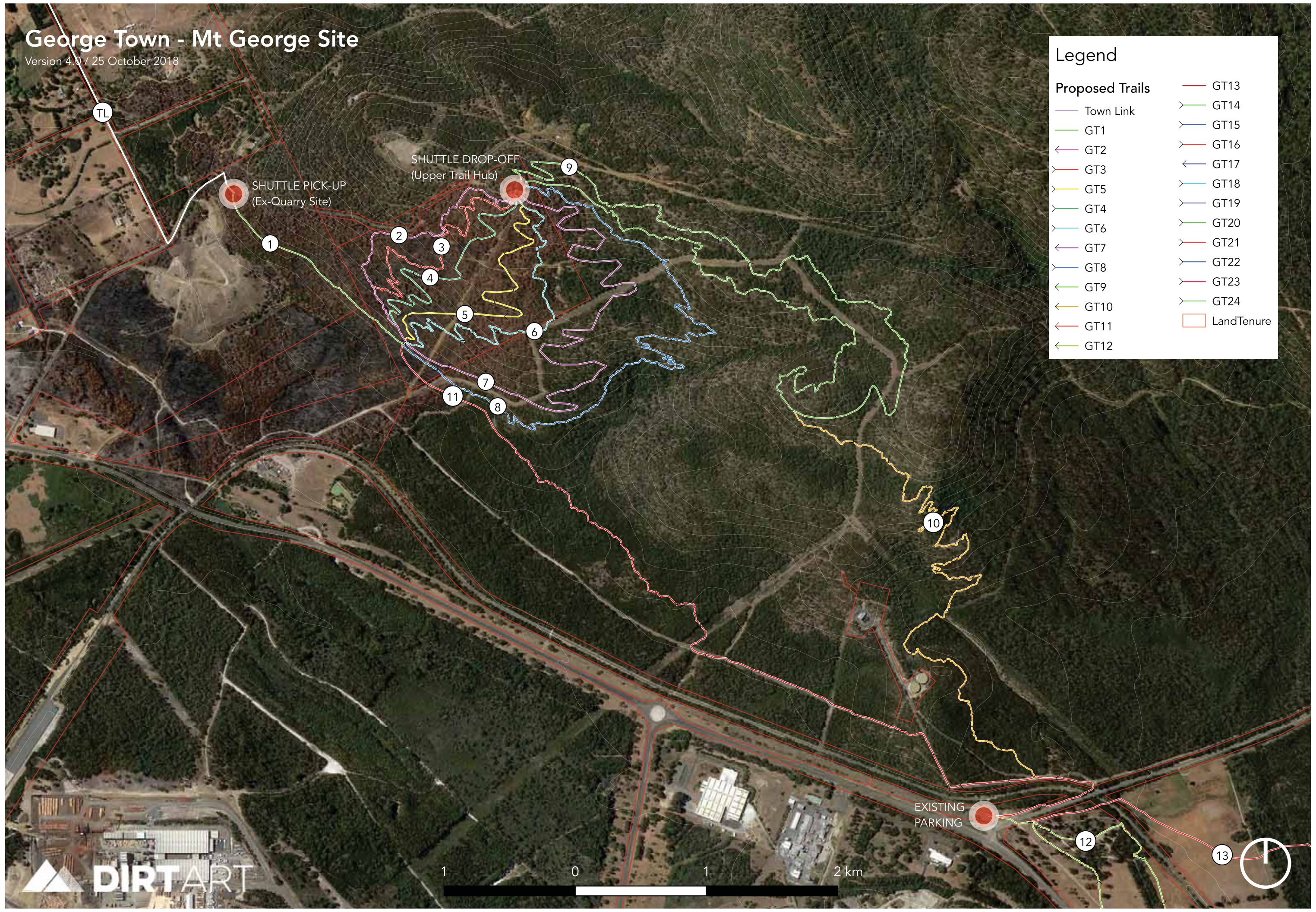


# George Town - Mt George Site

Version 4.0 / 25 October 2018

## Legend

| Proposed Trails |              |
|-----------------|--------------|
| — Town Link     | — GT13       |
| — GT1           | — GT14       |
| — GT2           | — GT15       |
| — GT3           | — GT16       |
| — GT5           | — GT17       |
| — GT4           | — GT18       |
| — GT6           | — GT19       |
| — GT7           | — GT20       |
| — GT8           | — GT21       |
| — GT9           | — GT22       |
| — GT10          | — GT23       |
| — GT11          | — GT24       |
| — GT12          | — LandTenure |

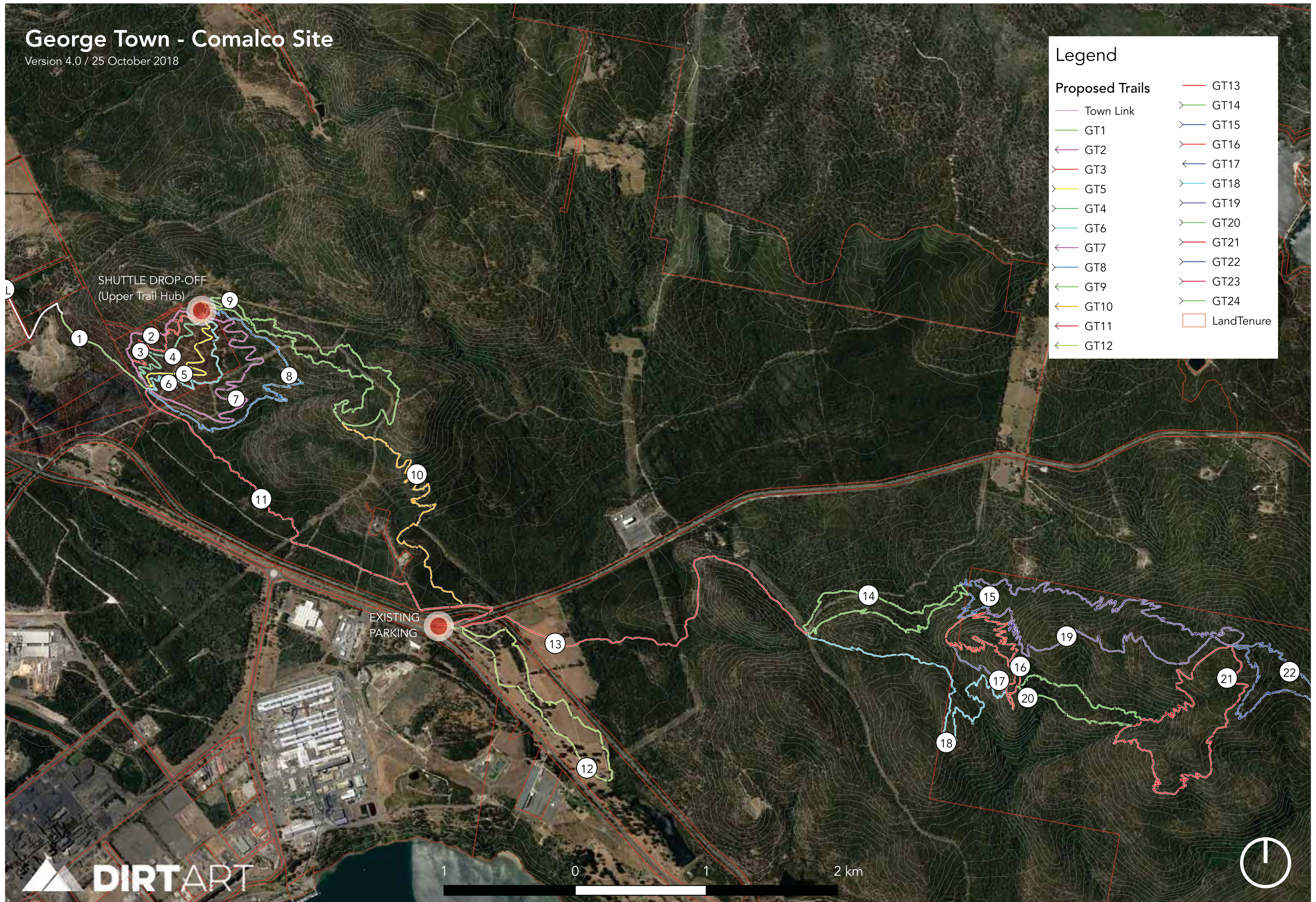


# George Town - Comalco Site

Version 4.0 / 25 October 2018

## Legend

| Proposed Trails |              |
|-----------------|--------------|
| — Town Link     | — GT13       |
| — GT1           | — GT14       |
| — GT2           | — GT15       |
| — GT3           | — GT16       |
| — GT5           | — GT17       |
| — GT4           | — GT18       |
| — GT6           | — GT19       |
| — GT7           | — GT20       |
| — GT8           | — GT21       |
| — GT9           | — GT22       |
| — GT10          | — GT23       |
| — GT11          | — GT24       |
| — GT12          | — LandTenure |

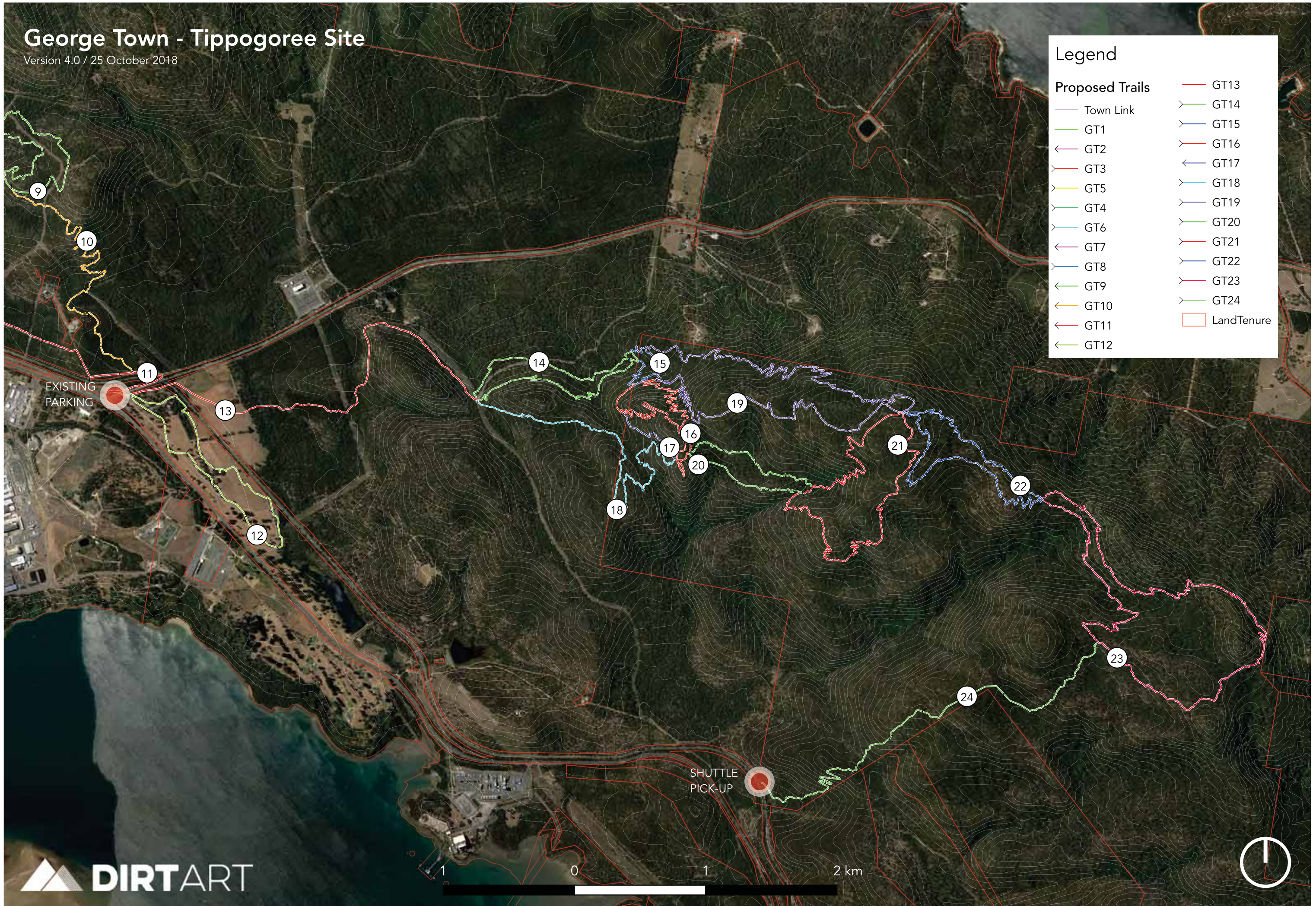


# George Town - Tippogoree Site

Version 4.0 / 25 October 2018

## Legend

| Proposed Trails |              |
|-----------------|--------------|
| — Town Link     | — GT13       |
| — GT1           | — GT14       |
| — GT2           | — GT15       |
| — GT3           | — GT16       |
| — GT5           | — GT17       |
| — GT4           | — GT18       |
| — GT6           | — GT19       |
| — GT7           | — GT20       |
| — GT8           | — GT21       |
| — GT9           | — GT22       |
| — GT10          | — GT23       |
| — GT11          | — GT24       |
| — GT12          | — LandTenure |





### 4.3 Trail One

|  |                                   |
|--|-----------------------------------|
| Length (m)   | 5685                              |
| Width (m)  | 1.5                               |
| Surface  | Imported gravel/aggregate surface |
| Format   | Dual direction urban link trail   |
| TDRS   | Green Circle                      |
| Construction Type  | Excavator                         |
| Bridge/Platform  | NA                                |
| Rock armouring   | NA                                |
| Overview   |                                   |
| <p>Trail One is the primary trail linking the broader trail network with the township of George Town. The trail also provides the exit link for the Mount George gravity trails, allowing riders to exit to the proposed shuttle pick up area.</p> <p>The trail will be suitable for both mountain bikers and walkers.</p> |                                   |

#### 4.4 Trail Two

| Length (m)  | 1184                     |
|---|--------------------------|
| Width (m)   | 1.0                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Black Diamond            |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | 6 (estimated)            |
| Overview  |                          |
| <p>Trail Two is a technical, Black Diamond trail suitable for more advanced riders. The trail capitalises on the extensive local rock to create a progressive, technical trail experience.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.5 Trail Three

| Length (m)  | 1419                     |
|---|--------------------------|
| Width (m)   | 1.0                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Blue Square              |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | 6 (estimated)            |
| Overview  |                          |
| <p>Trail Three is an intermediate technical descent, with a number of rock trail features. The trail is designed to assist riders in progressing to more difficult technical trails such as Trail Two.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.6 Trail Four

|   |                          |
|---|--------------------------|
| Length (m)  | 1299                     |
| Width (m)   | 1.5                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Black Diamond            |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | NA                       |
| Overview  |                          |
| <p>Trail Four is a flow/jump trail descent suitable for advanced riders. The trail will feature a number of table top jumps, a larger bermed corners, suitable for safe skill progression.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.7 Trail Five

|   |                          |
|---|--------------------------|
| Length (m)  | 1396                     |
| Width (m)   | 1.5                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Blue Square              |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | NA                       |
| Overview  |                          |
| <p>Trail Five is a flow/jump trail descent suitable for intermediate riders. The trail will feature a number of table top jumps, a larger bermed corners, suitable for safe skill progression.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.8 Trail Six

|   |                          |
|---|--------------------------|
| Length (m)  | 1841                     |
| Width (m)   | 1.0                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Blue Square              |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | 10                       |
| Overview  |                          |
| <p>Trail Six is a hybrid technic/flow trail, featuring a combination of technical features, berms, rollers and jumps, suitable for riders of intermediate ability.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.9 Trail Seven

|  |                          |
|--|--------------------------|
| Length (m)   | 3121                     |
| Width (m)  | 1.2                      |
| Format   | Single direction descent |
| Surface  | Natural                  |
| TDRS   | Green Circle             |
| Construction Type  | Excavator                |
| Bridge/Platform  | NA                       |
| Rock armouring   | 10                       |
| Overview   |                          |
| <p>Trail Seven is a beginner-friendly flow trail descent, featuring gently rolling terrain and large, gentle bermed corners. The trail will be suitable for riders of abilities, providing an engaging descent with uplift access, which will be a very high demand experience.</p> <p>The trail offers potential to be used as an uplift or climbing serviced riding opportunity.</p> |                          |

#### 4.10 Trail Eight

| Length (m)  | 3615                   |
|---|------------------------|
| Width (m)   | 1.2                    |
| Format  | Single direction climb |
| Surface   | Natural                |
| TDRS  | Green Circle           |
| Construction Type   | Excavator              |
| Bridge/Platform   | NA                     |
| Rock armouring  | 10                     |
| Overview  |                        |
| <p>Trail Eight is a beginner-friendly climbing trail, servicing the Mount George Descents, as well as providing connectivity up into the broader network. The trail provides a gently climbing experience suitable for riders of all abilities.</p> |                        |

#### 4.11 Trail Nine

| Length (m)   | 5555                  |
|--|-----------------------|
| Width (m)  | 1.2                   |
| Format   | Single Direction Loop |
| Surface  | Natural               |
| TDRS   | Green Circle          |
| Construction Type  | Excavator             |
| Bridge/Platform  | NA                    |
| Rock armouring   | 10                    |
| Overview   |                       |
| <p>Trail Nine is a longer format, beginner friendly loop ride, showcasing a range of views across George Town and surrounding areas. The trail may be ridden as an independent loop, or combined with the Mount George beginner climb and descent to create a 12.3km beginner-friendly trail ride.</p> <p>The trail also provides connectivity into the broader trail network.</p> |                       |

#### 4.12 Trail 10

|   |                          |
|---|--------------------------|
| Length (m)  | 3532                     |
| Width (m)   | 1.0                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Blue Square              |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | 10                       |
| Overview  |                          |
| <p>Trail 10 is a technical intermediate descent, which connects Mount George with the broader trail network. The trail may also be ridden as an uplift-serviced trail. The trail features excellent views of the surrounding area. The trail forms an optional loop ride with Trail 11.</p> |                          |

#### 4.13 Trail 11

|  |                        |
|--|------------------------|
| Length (m)   | 3495                   |
| Width (m)  | 1.0                    |
| Format   | Single direction climb |
| Surface  | Natural                |
| TDRS   | Blue Square            |
| Construction Type  | Excavator              |
| Bridge/Platform  | NA                     |
| Rock armouring   | 8                      |
| Overview   |                        |
| <p>Trail 11 provides a climbing link from Trail 10, while also connecting the broader trail network with Mount George. The trail begins on an existing service road for approximately 1km, which requires minor upgrade works.</p> |                        |

#### 4.14 Trail 12

|   |                       |
|---|-----------------------|
| Length (m)  | 3815                  |
| Width (m)   | 1.2                   |
| Format  | Single direction loop |
| Surface   | Gravel/aggregate      |
| TDRS  | Green Circle          |
| Construction Type   | Excavator             |
| Bridge/Platform   | NA                    |
| Rock armouring  | 20                    |
| Overview  |                       |
| <p>Trail 12 is a beginner-friendly loop trail, located on essentially flat ground. The loop is designed to provide a gentle introduction into mountain bike riding which, has options for integration into a broader, family friendly park land development of the area.</p> <p>The trail is proposed for imported gravel/aggregate surfacing, due to the flat area, with some sections prone to water logging.</p> |                       |

#### 4.15 Trail 13

|  |                           |
|--|---------------------------|
| Length (m)   | 3469                      |
| Width (m)  | 1.2                       |
| Format   | Dual direction link trail |
| Surface  | Natural                   |
| TDRS   | Green Circle              |
| Construction Type  | Excavator                 |
| Bridge/Platform  | NA                        |
| Rock armouring   | 10                        |
| Overview   |                           |
| <p>Trail 13 is proposed as a dual directional link trail, connecting riders with the broader Tipogoree Hills trail network. Due to the steep, rocky terrain, the trail is proposed as a single, dual directional trail rather than a loop.</p> |                           |

#### 4.16 Trail 14

|  |                       |
|--|-----------------------|
| Length (m)   | 3610                  |
| Width (m)  | 1.2                   |
| Format   | Single direction loop |
| Surface  | Natural               |
| TDRS   | Green Circle          |
| Construction Type  | Excavator             |
| Bridge/Platform  | NA                    |
| Rock armouring   | 10                    |
| Overview   |                       |
| <p>Trail 14 is a beginner loop trail that provides a gentle progression from other green trails in the zone. The trail provides a key connection into the broader Tipogoree Hills trail network.</p> |                       |

#### 4.17 Trail 15

|   |                       |
|---|-----------------------|
| Length (m)  | 1276                  |
| Width (m)   | 1.0                   |
| Format  | Single direction loop |
| Surface   | Natural               |
| TDRS  | Blue Square           |
| Construction Type   | Excavator             |
| Bridge/Platform   | NA                    |
| Rock armouring  | 0                     |
| Overview  |                       |
| <p>Trail 15 is a shorter format loop, that provides key connectivity to a number of other trails in the zone. The trail features a short but sustained climb and descent.</p> |                       |



#### 4.18 Trail 16

|  |                       |
|--|-----------------------|
| Length (m)   | 3876                  |
| Width (m)  | 1.0                   |
| Format   | Single direction loop |
| Surface  | Natural               |
| TDRS   | Blue Square           |
| Construction Type  | Excavator             |
| Bridge/Platform  | NA                    |
| Rock armouring   | 0                     |
| Overview   |                       |
| Trail 16 is one of the more iconic trails in the network, taking riders to a high elevation and view point. The trail features a technical intermediate style of riding, and also provides connectivity to a number of other trails in the zone. |                       |

#### 4.19 Trail 17

|  |                          |
|--|--------------------------|
| Length (m)   | 610                      |
| Width (m)  | 1.0                      |
| Format   | Single direction descent |
| Surface  | Natural                  |
| TDRS   | Black Diamond            |
| Construction Type  | Excavator                |
| Bridge/Platform  | NA                       |
| Rock armouring   | 20                       |
| Overview   |                          |
| Trail 17 is a short linking descent, providing an alternative, more challenging descent than Trail 16. The trail is technical and challenging in nature. |                          |

#### 4.20 Trail 18

|  |                          |
|--|--------------------------|
| Length (m)   | 3411                     |
| Width (m)  | 1.0                      |
| Format   | Single direction descent |
| Surface  | Natural                  |
| TDRS   | Blue Square              |
| Construction Type  | Excavator                |
| Bridge/Platform  | NA                       |
| Rock armouring   | 0                        |
| Overview   |                          |
| <p>Trail 18 is a longer format, predominantly descending trail, showcasing a range of view points. Proposed to include a range of flow and technical trail features, the trail is one of the more iconic in the network.</p> |                          |

#### 4.21 Trail 19

|   |                       |
|---|-----------------------|
| Length (m)  | 7940                  |
| Width (m)   | 1.0                   |
| Format  | Single direction loop |
| Surface   | Natural               |
| TDRS  | Blue Square           |
| Construction Type   | Excavator             |
| Bridge/Platform   | NA                    |
| Rock armouring  | 0                     |
| Overview  |                       |
| <p>Trail 19 is the longest and one of the most iconic trails in the network. Capitalising on a sustained climb and descent, the trail offers a steady progression from other intermediate trails in the area. As one of the higher elevation trails in the network, the trail offers fantastic views across the area.</p> |                       |

#### 4.22 Trail 20

|  |                       |
|--|-----------------------|
| Length (m)   | 2640                  |
| Width (m)  | 1.0                   |
| Format   | Single direction loop |
| Surface  | Natural               |
| TDRS   | Blue Square           |
| Construction Type  | Excavator             |
| Bridge/Platform  | NA                    |
| Rock armouring   | 0                     |
| Overview   |                       |
| <p>Trail 20 is a shorter, but important loop trail, connecting a number of other trails in the area. The shorter format loop trail provides a range of different riding options combined with other loops.</p> |                       |

#### 4.23 Trail 21

|   |                       |
|---|-----------------------|
| Length (m)  | 5257                  |
| Width (m)   | 1.0                   |
| Format  | Single direction loop |
| Surface   | Natural               |
| TDRS  | Black Diamond         |
| Construction Type   | Excavator             |
| Bridge/Platform   | NA                    |
| Rock armouring  | 0                     |
| Overview  |                       |
| <p>Trail 21 is a challenging, higher elevation loop trail, connecting a number of other trails in the area. The trail provides some unique and appealing view points, and offers a technical, demanding experience for advanced riders.</p> |                       |

#### 4.24 Trail 22

|   |                       |
|---|-----------------------|
| Length (m)  | 4866                  |
| Width (m)   | 1.0                   |
| Format  | Single direction loop |
| Surface   | Natural               |
| TDRS  | Blue Square           |
| Construction Type   | Excavator             |
| Bridge/Platform   | NA                    |
| Rock armouring  | 0                     |
| <i>Overview</i>   |                       |
| <p>Trail 22 takes riders to one of the highest elevation areas of the network, affording incredible views across the area. The trail will feature both technical and flow trail elements.</p> |                       |

#### 4.25 Trail 23

|  |                       |
|--|-----------------------|
| Length (m)   | 7311                  |
| Width (m)  | 1.0                   |
| Format   | Single direction loop |
| Surface  | Natural               |
| TDRS   | Black Diamond         |
| Construction Type  | Excavator             |
| Bridge/Platform  | NA                    |
| Rock armouring   | 0                     |
| <i>Overview</i>  |                       |
| <p>Trail 23 is one of the most remote trails in the network, and offers a genuine, technical backcountry riding experience. High elevations and technical, rocking terrain, will make this one of the most iconic trails in the network.</p> |                       |

#### 4.26 Trail 24

|   |                          |
|---|--------------------------|
| Length (m)  | 3864                     |
| Width (m)   | 1.0                      |
| Format  | Single direction descent |
| Surface   | Natural                  |
| TDRS  | Black Diamond            |
| Construction Type   | Excavator                |
| Bridge/Platform   | NA                       |
| Rock armouring  | 0                        |
| Overview  |                          |
| <p>Trail 24 is a technical, challenging descent trail, that provides the biggest sustained descent in the network. At this stage in the project, the trail will operate as shuttle trail with a lower pick up. Future stages will connect the trail back to the network proper with a sustained climbing trail.</p> |                          |

## 5 Conclusion

The initial design stage for the project has delivered over 84km of trails designed in the field. The diverse network of trails caters for all riding styles and abilities, and is sure to attract significant local, intrastate, and international attention.

The trails provide a number of staging opportunities, or the entire 84km could be developed as a single project stage. This larger implementation stage would be sure to attract significant attention, as one of the largest single-stage mountain bike projects ever developed in Australia.

With high quality construction, marketing and promotion, the project is sure to achieve strong social and economic results, through a significant growth in tourism to the area. The full, 84km network would promote multi-day stays and repeat visits, adding to the strong economic case for the project.

The diverse network of trails provides a very different experience to other surrounding area trails such as Blue Derby, and complements the broader offering of mountain bike destinations both current and under development in Tasmania.