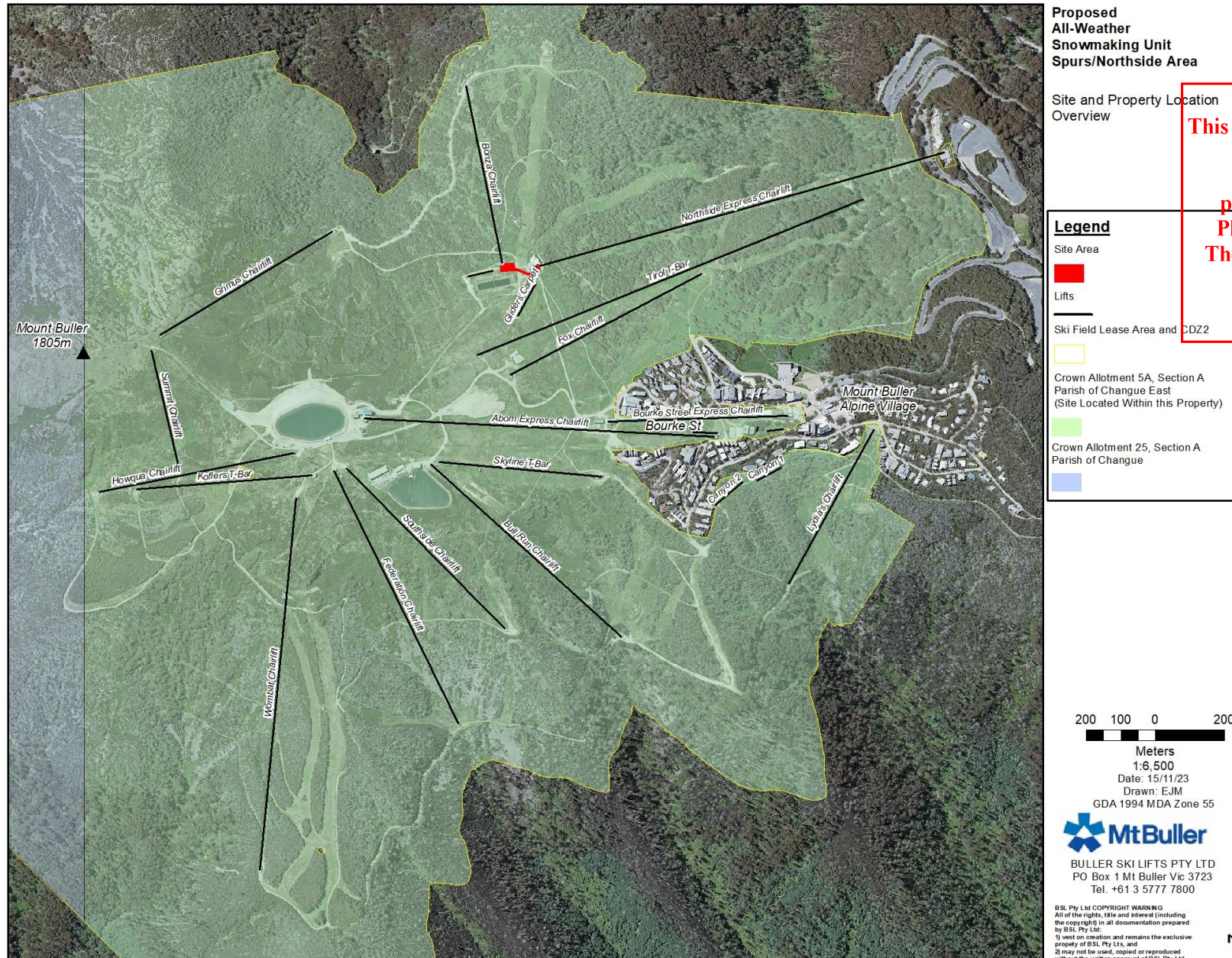


# Proposed All-Weather Snowmaking Unit Installation, Northside/Spurs Area, Mt Buller Ski Field, Site Construction Management Plan



## Proposed All-Weather Snowmaking Unit Spurs/Northside Area

Site and Property Location Overview

### Legend

Site Area



Lifts



Ski Field Lease Area and CDZ2



Crown Allotment 5A, Section A  
Parish of Chauge East  
(Site Located Within this Property)



Crown Allotment 25, Section A  
Parish of Chauge



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**ADVERTISED PLAN**

200 100 0 200



Meters

1:6,500

Date: 15/11/23

Drawn: EJM

GDA 1994 MDA Zone 55



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**Proposed  
All-Weather  
Snowmaking Unit  
Spurs/Northside Area**

Site Plan

Excavation and  
Concrete

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**Legend**

- Site Boundary
- Proposed Concrete Apron (90m<sup>2</sup>)
- Trenching and Earthworks Footprint
- Services Trenching and Distribution Conduit
- Lift
- Contours 1m-Interval
- Conventional Snowmaking Unit

## ADVERTISED PLAN

10 5 0 10

Meters  
1:350

Date: 16/11/23

Drawn by: EJM

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**Proposed  
All-Weather  
Snowmaking Unit  
Spurs/Northside Area**

Construction  
Management  
Plan

Trenching and  
Concrete Pad

# ADVERTISED PLAN

## Legend

Site Boundary

All-Weather  
Snowmaking Unit

Proposed Concrete  
Pad (90m<sup>2</sup>)

Trenching and Works  
Footprint (90m<sup>2</sup>)

Services Trenching

Silt Fence

Vehicle Access

Staging Area

Lift

Contours  
1m-Interval

Conventional Snowmaking Unit

10 5 0 10

Meters

1:350

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# Proposed All-Weather Snowmaking Unit Spurs/Northside Area

Ecological Vegetation Class (EVC), Overview

## Legend

Site Boundary	Sub-alpine Treeless Vegetation - 44
Remnant Vegetation (Less than 25% Native Cover)	Alpine Coniferous Shrubland - 156
Montane Damp Forest - 38	Sub-alpine Wet Heathland - 210
Treeless Montane Damp Forest - 38	Sub-alpine Wet Heathland Sphagnum - 210
Montane Riparian Thicket - 41	Alpine Grassy Heathland - 1001
Sub-alpine Shrubland - 42	Weedy Alpine Grassy Heathland - 1004
Sub-alpine Woodland - 43	Alpine Peaty Heathland - 1005
Treeless Sub-alpine Woodland - 43	Lifts
Weedy Treeless Sub-alpine Woodland - 43	Proposed Snowmaking Unit Envelope
	Ground Disturbance

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10 5 0 10

Meters

1:350

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# Proposed All-Weather Snowmaking Unit Spurs/Northside Area

Mountain Pygmy  
Possum Habitat  
(MPPH) Overlay

## Legend

Site Boundary



Works Footprint



Proposed Concrete Pad



Mountain  
Pygmy Possum  
Type 1 Habitat



Mountain  
Pygmy Possum  
Type 2 Habitat



Lifts



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80 40 0 80



Meters

1:2,500

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Drawn by: EJM

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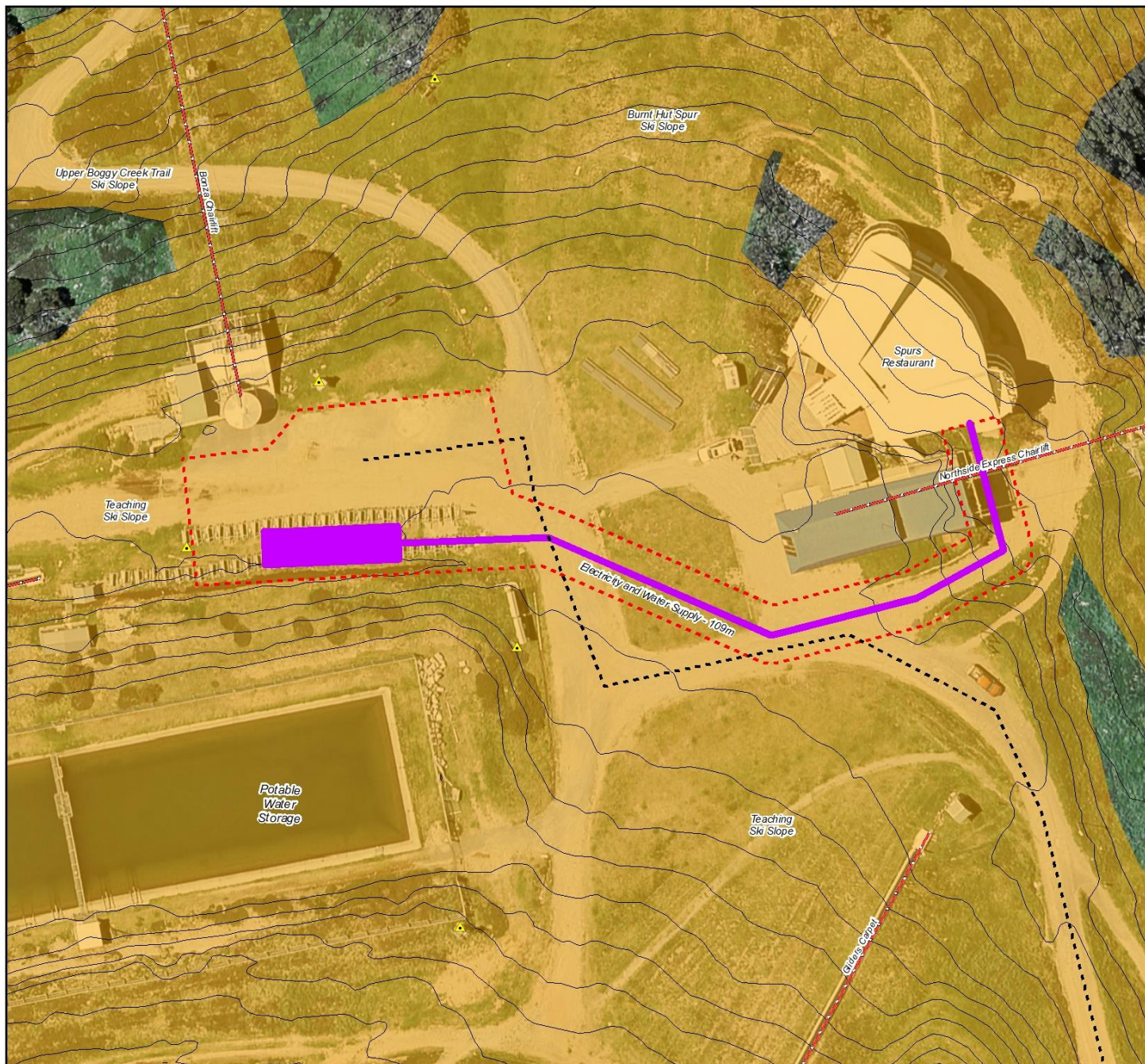


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# Proposed All-Weather Snowmaking Unit Spurs/Northside Area

Cultural Heritage Overlay

## Legend

- Site Boundary
- Ground Disturbance Footprint
- Previously Significantly Disturbed Ground
- Vehicle Access

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Meters

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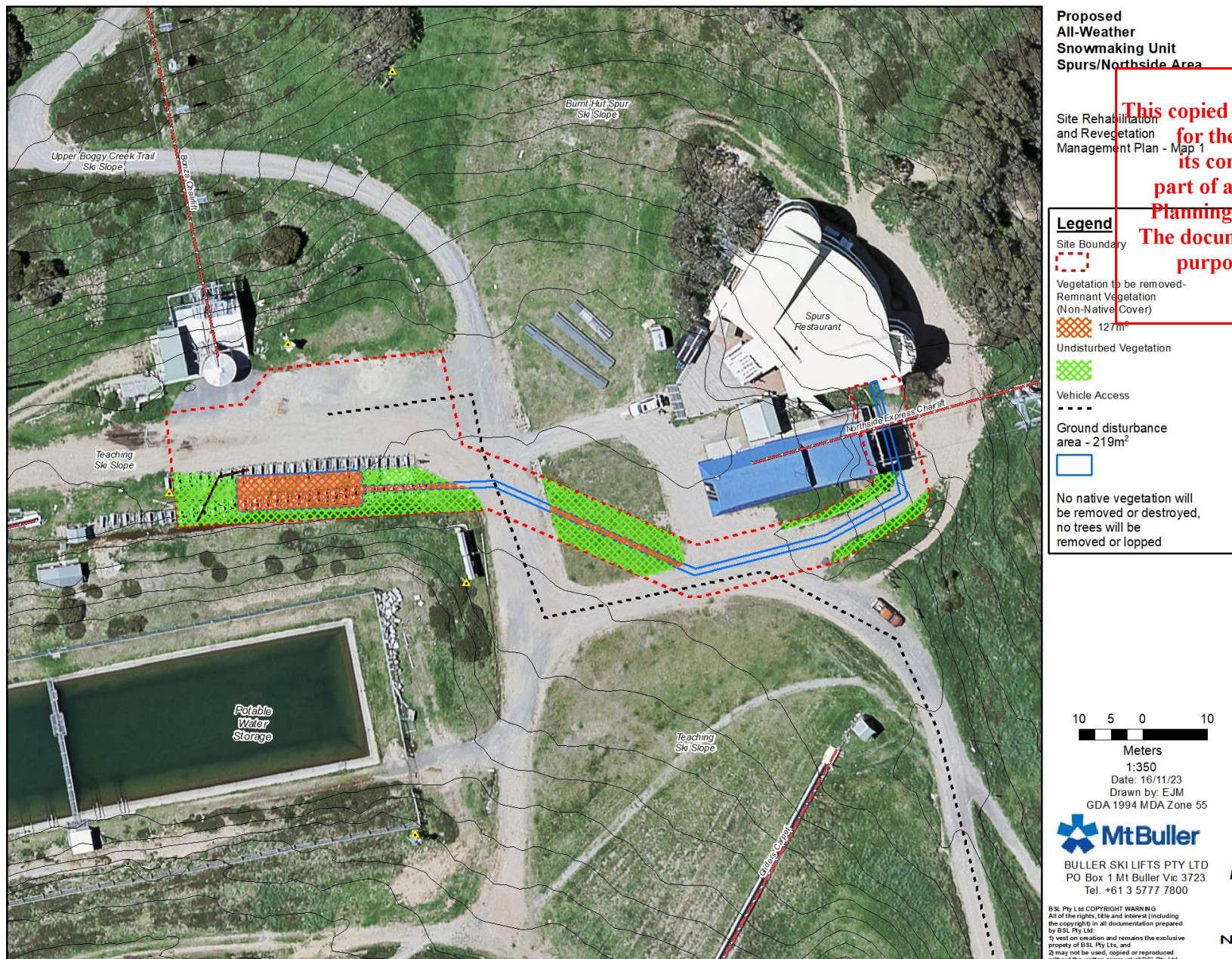
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# Proposed Building Extension, Mid-station, Mt Buller Ski Field, Site Rehabilitation and Revegetation Management Plan



Proposed  
All-Weather  
Snowmaking Unit  
Spurs/Northside Area

Site Rehabilitation  
and Revegetation  
Management Plan - Map 1

## Legend

Site Boundary

Vegetation to be removed-  
Remnant Vegetation  
(Non-Native Cover)

127m<sup>2</sup>

Undisturbed Vegetation

Vehicle Access

Ground disturbance  
area - 219m<sup>2</sup>

No native vegetation will  
be removed or destroyed,  
no trees will be  
removed or lopped

10 5 0 10

Meters

1:350

Date: 16/11/23

Drawn by: EJM

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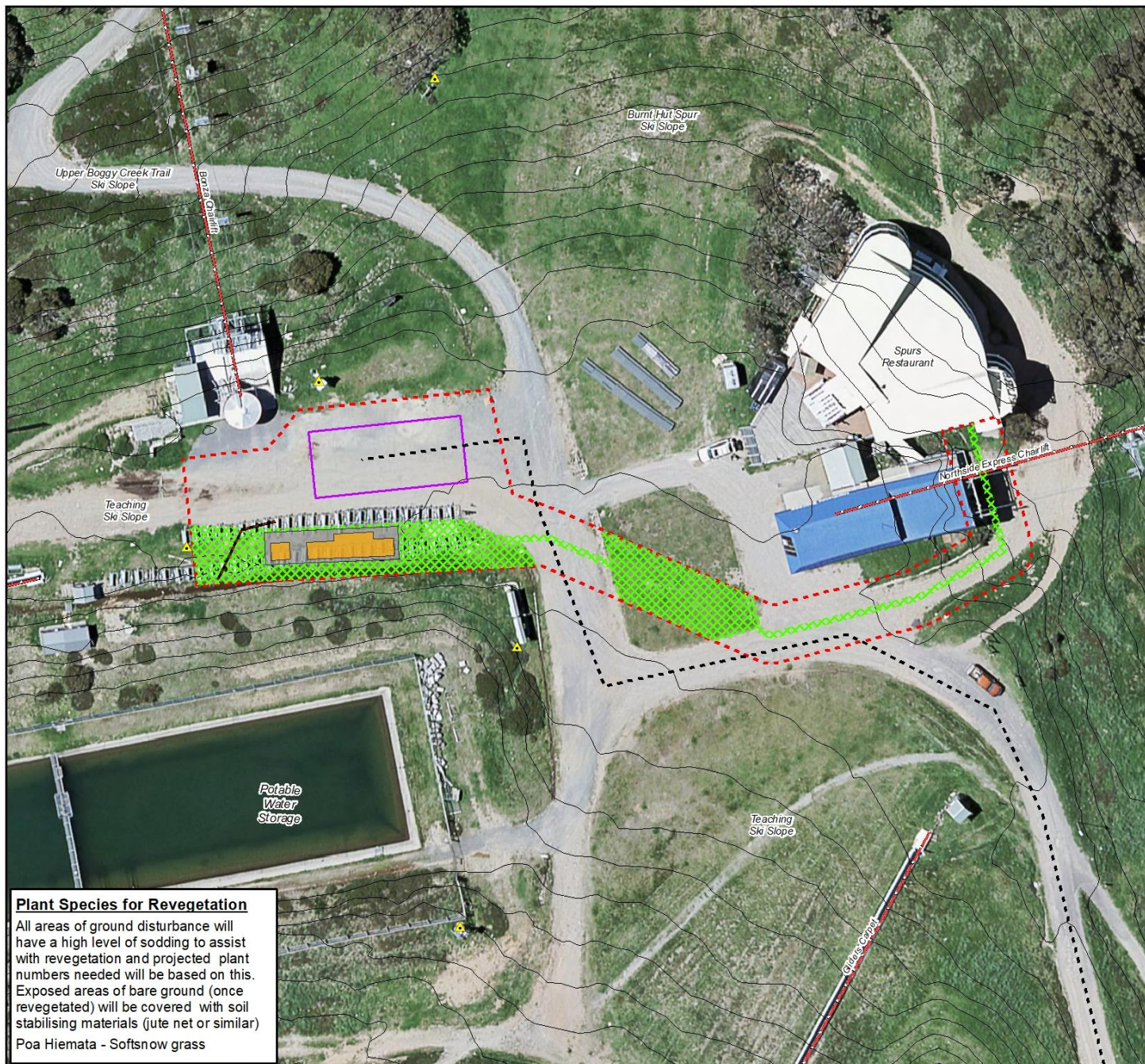
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# Proposed All-Weather Snowmaking Unit Spurs/Northside Area

Site Rehabilitation  
and Revegetation  
Management Plan - Map 2

## Legend

Site Boundary



Rehabilitation/Revegetation  
Area



All-Weather  
Snowmaking Unit



Concrete Apron



Staging Area



Vehicle Access



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10 5 0 10



Meters

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## Plant Species for Revegetation

All areas of ground disturbance will  
have a high level of sodding to assist  
with revegetation and projected plant  
numbers needed will be based on this.  
Exposed areas of bare ground (once  
revegetated) will be covered with soil  
stabilising materials (jute net or similar)  
Poa Hiemata - Softsnow grass



### **Soil Stabilisation**

This project will be completed in stages and soil will be stabilised with a combination of:

- Sodding
- Soil saver fabric
- Rice straw

## **ADVERTISED PLAN**

Works will stop temporarily prior to, during and/or after any forecast or actual major rain event (more than 50mm in 24hrs) with recommencement after conditions permit

### **Planting**

As much as possible grasses, forbs and heath will be salvaged for re-use in the same zone after trenches are back filled. The extent and volume of planting tube stock will vary with sod replacement.

- A minimum of 10m<sup>2</sup> of planting areas in inter-sod spaces, with plants as below.
- All salvaged plants will be replanted before the middle of May

There will be ongoing maintenance and follow up revegetation and rehabilitation works after works are completed, particularly after heavy localised rain events.

### **Revegetation Species**

The species that will be planted as part of the revegetation stage of these works are;

- Poa Hiemata – 30

### **Rehabilitation and Revegetation**

- *Any vegetation amenable to sod removal and replacement will be assessed prior to construction and utilised*
- *Where possible sods will be removed as intact pieces and stored on site and watered if required during dry periods.*
- *Sod removal will be undertaken with the excavator bucket. The bucket will cut the soil just below the root level of the sod. Sods will be replaced as soon as possible.*
- *Site rehabilitation of the trenched areas will be undertaken as excavations and back filling are being completed*
- *Surface levelling and compaction will be done as works are being completed*
- *Repair of cross drains will be done prior to the commencement of re-vegetation*
- *All cross-drains along the trail will be reinstated (profile, depth and vegetation cover) for erosion management and as they are also runways for Broad-toothed Rats and other fauna*

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- *Re-vegetation will also be undertaken in areas where sod removal and replacement has been utilised. General planting will occur in the inter-sod spaces and in areas where bare earth occurs*
- *Site rehabilitation and revegetation of the works area will take place once works are complete*
- *All plants listed above are selected on the basis of suitability for the site*
- *Quantities of plants for re-vegetation will depend on the extent of vegetation removed during construction and the use and success of sod-replacement techniques*
- *Plants will be watered immediately after planting and again during extended dry spells*
- *All tube stock will be stored on or near the site for several weeks prior to planting to allow acclimatisation and hardening off*

### **Vegetation Management Plan**

Ongoing vegetation management (including weed management) of the works area will be in accordance with and part of the ski field Vegetation Management Plan (VMP). All works area and revegetation/rehabilitation area are part of and within the ski field (and have been since the late 1950's) and are part of the existing and ongoing Mt Buller Ski Field Vegetation Management Plan (PA2011/011306) which includes a Weed Management Plan which has been in effect and part of the VMP since 2018.

### **Weed Management**

There are numerous weeds across Victoria's alpine areas and Mt Buller is part of this area. The most significant weeds within the ski field are;

- Milfoil - *Achillea millefolium*
- Spear Thistle - *Cytisus vulgare*
- St John's Wort - *Hypericum perforatum*
- English Broom - *Cytisus scoparius*
- Ivy - *Hedera helix*
- Holly - *Ilex aquifolium*
- Tutsan - *Hypericum perforatum* subsp. *veronense*
- Soft Rush - *Juncus effusus*
- Sword Leaf Rush - *Juncus ensifolius*
- Timothy Grass - *Phleum pratense*
- Sweet Briar - *Rosa rubiginosa*
- White Clover - *Trifolium repens*

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## ADVERTISED PLAN

- Blue Periwinkle - Vinca major
- Blackberry - Rubus anglocandicans
- Raspberry - Rubus idaeus
- Willow - Salix spp.

All these weeds plus a complete list with photos can be referenced in the "Alps Invaders" field guide.

### **Weed Control Methods**

Below are weed management methods as per the Weed management Plan that forms part of the ski field Vegetation Management Plan.

All vegetation management works within the ski field should be undertaken in a manner that reduces the risk of spreading weed species. As such it is recommended that the following measures are implemented in all vegetation management works including rehabilitation and revegetation works:

- Before commencing any works, ensure that all vehicles and machinery are cleaned by scraping, washing and/or steam cleaning, of all soil and plant debris. This cleaning should take place at designated wash down sites.
- Where possible works should commence in areas of low weed cover and proceed through to areas of increasing weed cover.
- Ensure that all staff are able to identify those weeds presenting a high threat (e.g. Milfoil), as early detection is ideal in any attempts to control these species.
- Avoid any contact with the Orange Hawkweed quarantine zone.
- Ensure that at no stage is machinery or material temporarily or permanently stored on areas containing intact native vegetation.
- Ensure that access tracks are clearly delineated and are predominantly located along existing tracks, through exotic grassland or previously disturbed vegetation.
- Target regrowth of weed species that have a serious risk rating.

In areas with minimal weed cover it is essential to:

- Clean all vehicles and machinery thoroughly.
- Minimise disturbance to the soil surface.
- Target regrowth of all weed species, especially those considered to pose a high threat.
- Ensure that all runoff and sediment control arising from vehicle access is appropriately managed.

To avoid disturbance of intact native vegetation (and hence to reduce the potential for weed invasion), the following steps should be followed:

- Clearly mark and avoid all areas of high quality (intact) indigenous vegetation and wildlife corridors.

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- Ensure that all staff are able to identify significant species and vegetation types (e.g. Alpine Coniferous Shrubland, Sub-alpine Wet Heathland, Alpine Peaty Heathland).
- Clearly delineate and avoid and/or minimise access to all areas along or adjacent to ski trails that contain rare or threatened flora and fauna species and/or communities

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