

Addendum – Stage 1A Rehabilitation & Environmental Offsets Plan

This addendum relates to the *Rehabilitation and Environmental Offsets Plan, Stage 1A Mountain Bike Trails, Thredbo DA 6114, April 2015*, and has been prepared to detail the works and monitoring required to be undertaken in the proposed Lovers Leap Offset Area to offset the proposed mountain bike trail construction works that will be undertaken in the approved Stage 1A offset area located within the Schuss ski run (upper section of Merritts Gondola lift corridor).

Background

The two proposed advanced mountain bike trails have a combined trail length within the offset area of 345 m. At a 3 m maximum disturbance width, the disturbance area will be 1035m² within the offset area. The two proposed mountain bike trails traversing the Stage 1A offset area are identified in **Figure 1**.

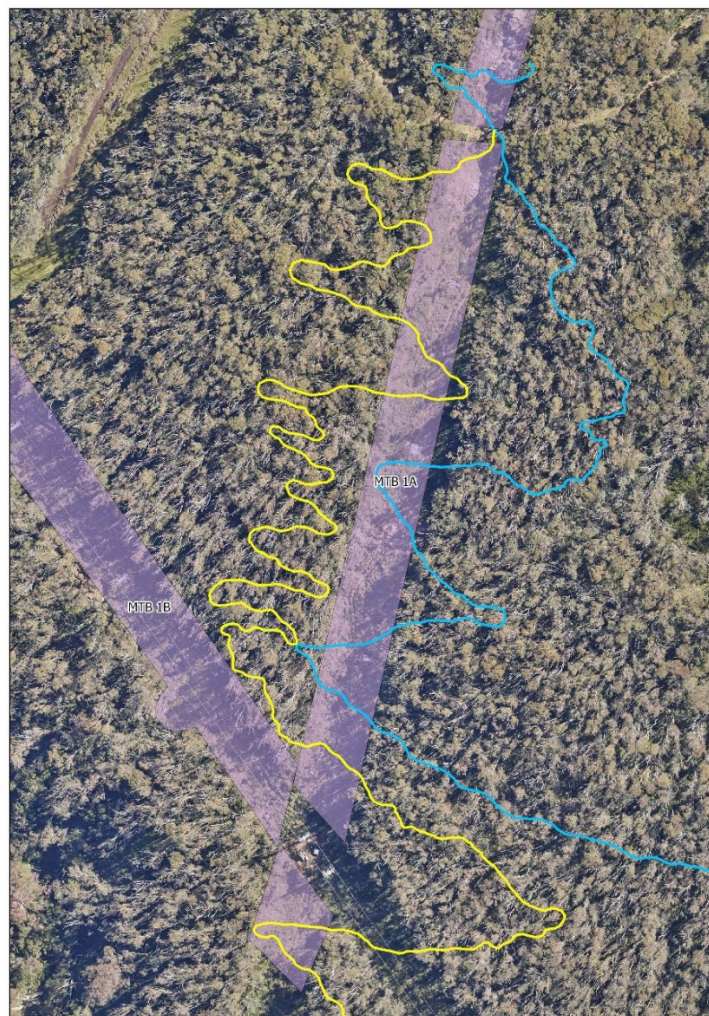


Figure 1: Proposed MTB trails within Stage 1A offset area

Proposal

A new 1400m² offset area is proposed around the Alpine Coaster on the Lovers Leap ski run adjacent to the approved MTB 1C offset area. The Lovers Leap ski run has been closed to the public and is no longer accessible to skiers and snowboarders. The offset will include the cessation of slashing (like-for-like offset), and the planting of 280 Snow Gums across the entire offset area (areas LL1 & LL2) as well as 230 native shrubs in the upper area of the offset (LL1) as per the attached plan.

Offset Area Works

Timing	Procedure	Methods
Summer 25-26	Planting native tube stock	<ul style="list-style-type: none"> Plant native tube stock: Plant shrubs at 1 per 2/m² Plant trees at 1 per 5/m² Refer to species list for suitable rehabilitation species Water crystals & organic fertiliser may be used at label rates <i>Water crystals</i>: 5gm pre-hydrated crystals, crystals must be hydrated for at least 2hrs prior to planting <i>Fertiliser</i>: 1 x Typhoon Native fertiliser tablet per plant (<i>Poa</i> & shrubs) placed next to or below roots All shrubs and trees to be protected from grazing with tree guards
	Watering	<ul style="list-style-type: none"> If required, water rehabilitation areas to assist in seed germination, tubestock establishment and straw retention
	Weed control	<ul style="list-style-type: none"> Monitor the offset area for signs of weed infestation Treat weeds with methods appropriate to weed species being treated including low pressure spot spraying and hand removal techniques Limit off-target damage by only spraying in the appropriate conditions Weed monitoring & control is to be conducted on an on-going basis and included in annual resort weed control activities

Species List

The following species to be planted have been selected from the field survey conducted in December 2024:

- *Eucalyptus pauciflora* Snow Gum
- *Hovea montana* Alpine Hovea
- *Olearia phlogopappa* Dusty Daisy Bush
- *Ozothamnus secundiflorus* Cascade Everlasting

Monitoring Requirements

Up until a minimum period of five (5) years from the date after construction completion of the mountain bike trails, the proposed offset area will be monitored and necessary action undertaken to ensure that:

- a) the ground remains erosion resistant, and the groundcover is being established;
- b) all areas planted with native species are surviving, where replacement plantings will otherwise be carried out at least once within every twelve (12) month period within the five (5) year period until successful site establishment in accordance with the approved revegetation requirements.

The monitoring will be consistent with the requirements for the Schuss Ski Run Offset Area as per the *Rehabilitation and Environmental Offsets Plan, Stage 1A Mountain Bike Trails, Thredbo DA 6114, April 2015* and will be carried out after winter each year.

DA 6114 Stage 1A – Thredbo Mountain Bike Trails – MOD 5

Baseline Data for Offset Areas December 2024

Offset Areas: LL1 – Lovers Leap Ski Run 700m² Low Heath & Tree & Planting
LL2 – Lovers Leap Ski Run 700m² Tree Planting

Weed Species	Common Name	LL Offset Area
<i>Acetosella vulgaris</i>	Sorrel	Y
<i>Achillea millefolium</i>	Milfoil	Y
<i>Agrostis capilaris</i>	Browntop bent	Y
<i>Festuca rubra</i>	Red fescue	Y
<i>Hypochaeris radicata</i>	Flatweed	Y
<i>Taraxacum officinale</i>	Dandelion	Y
Total		6
Native Species	Common Name	
<i>Bossiaea foliosa</i>	Leafy Bossiaea	Y
<i>Carex breviculmis</i>	Short stem-sedge	Y
<i>Coronidium scorpioides</i>	Button Everlasting	Y
<i>Craspedia aurantia</i>	A Billy-button	Y
<i>Eucalyptus pauciflora</i>	Snow Gum	Y
<i>Hovea montana</i>	Alpine Hovea	Y
<i>Olearia phlogopappa</i>	Dusty Daisy Bush	Y
<i>Ozothamnus secundiflorus</i>	Cascade Everlasting	Y
<i>Poa fawcettiae</i>	Snow Grass	Y
<i>Stellaria pungens</i>	Prickly Starwort	Y
Total		10

	LL Offset Area
% Native Cover	58.75
% Weed Cover	26.25
% Bare Soil	15
Tree Height	1.5
Shrub Height	1.2
% Tree Cover	<1
% Shrub Cover	15
% Ground Covers	15
% Grass Cover	55
Total Native Species	10
Total Weed Species	6

Lovers Leap Offset Area Transect Data							
Transect 1							
Point	% Native cover	% Weed cover	%Bare Soil	% Shrub	% Ground covers	% Grass	% Tree
1	100	0	0	0	0	100	0
2	0	100	0	0	0	100	0
3	100	0	0	0	0	100	0
4	50	50	0	0	0	100	0
5	0	100	0	0	0	100	0
6	0	100	0	0	0	100	0
7	100	0	0	0	0	100	0
8	0	100	0	0	0	100	0
9	0	100	0	0	100	0	0
10	0	100	0	0	100	0	10
11	0	0	100	0	0	0	0
12	0	100	0	0	100	0	0
13	0	0	100	0	0	0	0
14	0	100	0	0	0	100	0
15	0	0	100	0	0	0	0
16	0	0	100	0	0	0	0
17	0	0	100	0	0	0	0
18	0	0	100	0	0	0	0
19	0	100	0	0	0	100	0
20	0	100	0	0	0	100	0
Total	350	1050	600	0	300	1100	0
Average	17.5%	52.5%	30%	0%	15%	55%	0%

Lovers Leap Offset Area Transect Data							
Transect 2							
Point	% Native cover	% Weed cover	%Bare Soil	% Shrub	% Ground covers	% Grass	% Tree
1	100	0	0	0	50	50	0
2	100	0	0	50	0	50	0
3	100	0	0	50	0	50	0
4	100	0	0	50	0	50	0
5	100	0	0	100	0	0	0
6	100	0	0	50	0	50	0
7	100	0	0	50	0	50	0
8	100	0	0	0	0	100	0
9	100	0	0	0	0	100	0
10	100	0	0	0	100	0	0
11	100	0	0	0	0	100	0
12	100	0	0	0	100	0	0
13	100	0	0	0	50	50	0
14	100	0	0	0	0	100	0
15	100	0	0	0	0	100	0
16	100	0	0	50	0	50	0
17	100	0	0	50	0	50	0
18	100	0	0	50	0	50	0
19	100	0	0	50	0	50	0
20	100	0	0	50	0	50	0
Total	2000	0	0	600	300	1100	0
Average	100	0	0	30	15	55	0

Lovers Leap Offset Area Transect Data							
Totals							
	% Native cover	% Weed cover	%Bare Soil	% Shrubs	% Ground covers	% Grass	% Trees
Total	2350	1050	600	600	600	2200	0
Average	58.75%	26.25%	15%	15%	15%	55%	0%

Photo Points






Photo Point	Description	Coordinates	Photo
LL PH 1 Date: 11/12/24	Looking west towards Alpine Coaster	616,548 5,959,747	
LL PH 2 Date: 11/12/24	Transect 1 looking west	616,556 5,959,736	
LL PH 3 Date: 11/12/24	Transect 2 looking west	616,567 5,959,725	

Photo Point	Description	Coordinates	Photo
LL PH 4 Date: 11/12/24	Looking east across offset area	616,529 5,959,710	
LL PH 5 Date: 11/12/24	Looking west across offset area	616,584 5,959,717	

Attachments

Attachment 1 – Offset Area



Scale: 1:383

0 2.5 5 10 15 20 Meters

Map Projection: Universal Transverse Mercator
Horizontal Datum: GDA 2020
Grid: GDA 2020 MGA Zone 55



OFFSET AREA

Project: DA 6614 Stage 1A
MTB Trail - MOD 5

Revision: A
Date: 11/12/2024
Produced By: BB