SITE ENVIRONMENTAL MANAGEMENT PLAN (SEMP) INFORMATION SHEET

A Site Environmental Management Plan (SEMP) is a document detailing the potential environmental impacts of a proposed use and/or development and the ways that these impacts may be reduced by management strategies and practices. The provision of a SEMP is triggered under Schedule 1 and Schedule 2 of the Comprehensive Development Zone contained within the Alpine Resorts Planning Scheme.

OBJECTIVES OF A SEMP

The objectives of a SEMP are to address environmental, planning scheme and rehabilitation requirements and ensure that applicants are accountable for preventing or mitigating any environmental impacts.

THE PROCESS

A SEMP must be endorsed by the responsible authority (the Minister for Planning) prior to the commencement of any building or works. Endorsement may include approval by the relevant Resort Management Board (RMB), the Department of Sustainability and Environment (DSE) and the relevant Water Authority.

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	for the sole purpose of enabling	
Ensure that you submit	he following as can to your Servie package:	
-	part of a planning process under the	
Part A - SEMP Cover reports, if required.	Planning and Environment Act 1987. Form, including supporting attachments su The document must not be used for any	ch as photographs and
Part B - Site Construenvironmental measure	ction Management Plan, including a deta referenced in the SEMP Cover Form and do	iled drawing identifying cumentation addressing

the performance standards.

Part C - Site Rehabilitation Plan including a detailed drawing identifying revegetation requirements and rehabilitation areas and other necessary documentation.

Please note:

The planning scheme may require additional information to be attached to fully describe the site and works such as:

- Flora, fauna and Net Gain assessments.
- A Cultural Heritage Management Plan.

Special requirements apply to buildings and works carried out in Hawkweed areas within the Falls Creek Alpine Resort

A copy of the endorsed SEMP must be kept on site at all times during the construction period.

Failure to comply with a SEMP can result in enforcement action.



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PART A SITE ENVIRONMENTAL MANAGEMENT PLAN COVER FORM

Site Location

Buildings, works and non-native vegetation removal for the installation of an all-weather snowmaking unit in the Northside/Spurs area.

Mt Buller Ski Field

Project Description

Briefly describe the proposal (eg. **Extension** to an existing building with earthworks and removal of native vegetation)

This Site Environmental Management Plan covers the following activities This copied document to be made available

- Trenching for electricity and water supply for the period of an all-weather snowmaking unit its consideration and review as
- Works associated with the elansing non-constrained for the all-weather snowmaking unit involving announce to the all-weather concrete slab
 Works associated with the elansing non-constrained for the all-weather the document must not be used for any
- Placement and installation of acopyright ther snowmaking unit

Project Management

Name and 24 hour contact details of the project manager and/or site supervisor responsible for ensuring compliance with the SEMP and completion of the buildings and works described in the SEMP

Buller Ski Lifts will be the overall site manager and will undertake the construction. The Project Manager for Buller Ski Lifts will be Tim Meier, phone – 0417 926 752 The site supervisor will be Paul Richmond, phone – 0409 771 155

Construction Schedule

Provide a construction schedule including start and completion dates for all external and internal works.

Note:

Outside construction activity is generally only permitted between 1st November and 30th April each year.

Final site tidy up and rehabilitation may occur up to 15th May each year.

Works outside these timeframes require approval from the relevant RMB and the responsible authority (the Minister for Planning).

The works associated with the trenching and laying of conduits and services and the excavation for the concrete slab and the pouring and finishing of the slab are expected to be completed within approximately 3 weeks of commencement. The installation of the all-weather snowmaking unit, (Techno-Alpin SF220) will take two days.

Construction Techniques/Activities

Describe the construction techniques/activities to be undertaken on site, such as cut and fill, pouring a concrete slab, excavation for footings, and detail types of machinery to be used. Refer to diagrams, drawings or photographs of proposed techniques where relevant (attach additional sheets if necessary)

These works are for the laying of a 70m² (see attached Construction Management Plan (CMP)) concrete slab to form an apron for an all-weather snowmaking unit and trenching to the apron for services, construction methodology for the concrete apron is:

- Set out, prior to any excavation works on the site, will be with highly visible tape indicating the construction zone. This tape will be designed to deter machinery and staff from moving beyond the construction zone boundary
- The area of the concrete slab will be excavated using an excavator for a concrete slab of 300mm depth and earthworks will be limited to the preparation of this feoting/aptenanching the treathing instituted below
- Sodding of the area for the sole purpose of enabling its consideration and review as
- Excess soil/materiphytillifepdiapoing of costs sitteler the
- Planning and Environment Act 1987.
 Placement of concrete remforcing steel and form-worn The document must not be used for any
- Pouring of concrete purpose which may breach any
- copyright
- Stripping of formwork
- Site rehabilitation
- Rehabilitation and revegetation of ground disturbance using stored earthen sods

Construction methodology for the trenching is:

- Sodding of the area prior to trenching
- Trenching
- Trenches will have earth ramps for fauna to escape
- Placement of pipes and conduits for in trenches
- Backfilling of trenches as pipe/conduit is laid
- Testing
- Rehabilitation and revegetation of ground disturbance using stored earthen sods
- There will be no ground disturbance outside the works footprint and all access will be within the site boundaries

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The all-weather snowmaking unit is containerised and as such installation involves placement onto the concrete pad (via crane), connection to services and commissioning, all of which is expected to take two days.

A Waste Management and Recycling Station (see Waste Management Plan) will be set up in the Staging Area. This station will consist of:

- Skips for litter and waste
- Bins for plastic and paper recycling

Bins will be a covered type with a lid and secured for high winds and skips will be covered each evening and during periods of high winds.

Bins and skips will be checked regularly and replaced when necessary.

The site office and amenities will be located in the Control Centre building

Environmental Risks

In the table below, describe potential environmental risks and measures to be taken to address these risks (attach additional sheets if necessary):

Risk		Measures to address risk
1. Vegetation remove	al exposing soil	 Install silt traps to prevent soil
during construction works		displacement
	This copied docu for the sole its consider part of a plan Planning and The document purpose wl	• Surface leveling and compaction will be ment to be made arean bing ticable is being backfilled purpose winemabling ticable especially for use on ration and or wile edsworks, the top soil will be ning process quade by the odding", to avoid the loss Environment edge at 1987 and set aside for must not be insert for any the affected area when the works are completed convright Revegetation will also be undertaken in
		areas where sod removal and
		replacement has been utilised. General planting will occur in any inter-sod spaces and in areas where bare earth occurs
		 Sodding of the areas trenched post backfilling will assist in stabilising the soil and slope
2. Loss of native v	egetation during	 Keep the works footprint to a minimum
construction		 These works are limited to an area with no native vegetation cover
		 All vegetation amenable to sod removal and replacement will be utilised in the rehabilitation and revegetation stage. This will be assessed prior to the commencement of works
		 Sods will be removed as intact pieces and stored on site and watered if required during dry periods
		 All vehicle and plant or equipment movements will be confined to existing tracks where practicable

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		•	Any sensitive areas and no-go zones will
		•	All protective fencing must be maintained in good repair throughout construction
3. Increase of sediment run-off during rain events		•	Install effective sediment control measures to protect water bodies, retain native vegetation and habitat
		•	Manage works to minimise discharge of sediments and other pollutants. Suitable measures are provided in Environmental Guidelines for Major Construction Sites (EPA 1996, amended) and Construction Techniques for Sediment Pollution Control (EPA 1991) and Guideline for Environmental Management. Doing it right on subdivisions. Temporary environmental protection measures for subdivision construction sites. (EPA 2004).
		•	Sediment control fences will be erected below works areas
	This copied docu for the sole its conside part of a plan Planning and The document purpose wl	ment to purpose ration ai ning pro Environ must not hich may copyrigi	The sediment control fences will be erected at grade to drain to a sediment brana deavisitibility from the sediment e the sediment is a geotextile filter. All sediment control measures must be which is a geotextile filter. All sediment for a geotextile filter.
4. Native Fauna trapped in foundation holes and trenches		•	Works areas will be checked each day and prior to any backfilling
		•	Trenches will have earth ramps for fauna to exit
5. Damage to native vegetation during construction works		•	Keep the construction footprint to a minimum
		•	All vehicle and plant or equipment movements will be confined to existing tracks where practicable
		•	Any sensitive areas and no-go zones will be fenced off
6. Introduction of weeds to the site		•	Ensure vehicles are clean and free of weeds and pathogens before entering the construction area.
7. Fuel or Chemical spill into a waterway		•	Refuelling of vehicles and storage of chemicals and other equipment should occur on stable surfaces and should not occur within 30 m of a waterway or

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associated water bodies.

• There are no waterways within the site boundary

Site Environmental Values

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Identify all environmental values on site. Attach any necessary additional information such as a Flora, and Fauna Assessment, a Net Gain Assessment, Cultural Heritage Management Plan etc. Attach any photos of relevant offsite values near the site that could be impacted by the use or development (attach additional sheets if necessary).

- All the area marked for earthworks and trenching has no native vegetation and no tree cover
- All of the works described here will take place on previously and significantly disturbed ski slope
- There are no natural waterways on this site
- Sediment traps will be placed where necessary on the site
- Native fauna and birds are observed in the area though the proposed works do not impact on any habitat
- This area is outside protected species habitat as there is no native vegetation within the site (see attached Ecological Vegetation Class (EVC) Overlay and Mountain Pygmy Possum Habitat (MPPH) in the CMP). Its consideration and review as
- The vegetation in thisparted is planning prostess ighderated significantly disturbed ski slope that was subjectioning and coacieonofest Archer & grazing up until 1949 and summer cattle Therefore mustinot be up of the provision of previous revegetation activities particles of colory right management, in accordance with provisions of previous Planning Permits (see attached Cultural Heritage Overlay in the CMP)
- All ecological vegetation classes adjacent to the area will be surveyed before works begin to ensure all BSL employees and contractors are aware of any significant plant species
- All BSL employees and contractors will have descriptions and photographic illustration of any significant plant species and vegetation communities

These works will not impact native vegetation.

All the area has been subject to many decades of summer sheep grazing up until 1949 and summer cattle grazing up until 1959 as mentioned above as well as human activity and ground disturbance going back to at least to 1965 with the construction of the Mt Buller Village Potable Water Supply and the extension of the beginner teaching area to the north of the water supply in 1988.

- All of the activity area has been subject to significant ground disturbance via sheep and cattle grazing, vegetation clearance, previous earthworks, ski slope levelling, erosion, vehicular and extensive pedestrian/skiing traffic.
- In the event that any Aboriginal cultural material is uncovered during construction, the location must be recorded and the area fenced off during any further development until such time as a qualified archaeologist and a

representative from the relevant Aboriginal cooperative have inspected the material. Aboriginal Affairs Victoria will be contacted and a site recording form lodged with AAV site registry to record and register any Aboriginal Materials

Project Monitoring

Provide details of how the site supervisor will monitor and report to the responsible authority and the RMB regarding compliance with the SEMP

As a minimum, dated photographs should be taken of the site at times prior to, during and following the construction period and supplied to the responsible authority and the RMB to demonstrate compliance with the SEMP.

Note: It is the permit applicant's responsibility to ensure that the site supervisor is aware of the requirements of the SEMP.

Construction management will be monitored during and following the works. Where relevant, the following shall be monitored annually for the first three years following construction. Remedial measures will be taken if problems arise:

- Pest plants and animals (visual inspection) with action initiated to remove weeds and feral predators
- Weeds will be sprayed on site as part of BSL's weed management program linked to the Vegetation Management Plan for the ski field.
- Sediment and run off control (visual inspection) with action taken to catch sediment and divert run off
- Condition of floral communities listed under Flora and Fauna Guarantee Act 1988 and Environment Protection and Biodiversity Conservation Act 1999

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PART B SITE CONSTRUCTION MANAGEMENT PLAN

The Site Construction Management Plan must include the following information and address all the Performance Standards within Part B:

- a) Construction zone
- b) Location of:
 - o neighbouring buildings (including setbacks)
 - o surrounding street network
 - o waterways
 - o site access points
 - o surface water drainage
 - native vegetation/trees
 - o on site/off site
 - to be retained and protected
 - to be removed or lopped
- c) Proximity to areas such as:
 - o rare or threatened species habitat
 - soil and geotechnical hazards
 - o any other significant sensitive natural features

d) Easements

- e) Existing service locations and protection measures
- f) Storage areas for:
 - o construction vehicles
 - construction materials
 - o waste
 - o stockpiles
- g) Location of any temporary site offices/lunchrooms (if applicable)
- h) Topography/slope of the land
- i) Sediment control measures
- j) Stormwater drainage measures
- k) Staging of works (if applicable)
- I) Location of on site green waste storage (Falls Creek only)
- m) Location of on site vehicle wash down location (Falls Creek only)

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PART B - SITE CONSTRUCTION MANAGEMENT PLAN PERFORMANCE STANDARDS

Site Induction

An induction must be undertaken by the site supervisor as required by the RMB.

Prior to the commencement of any building or works the site supervisor is responsible for ensuring that an appropriate induction is provided to all construction personnel in conjunction with the relevant RMB.

Construction Zone and Vehicle Access

- Prior to the commencement of any building or works, the extent of the construction zone, including pedestrian, vehicle and machinery access must be clearly defined both on the plan and physically on the site.
- All buildings and works must be confined to the defined construction zone.
- Access should be confined to designated access tracks and pathways, and as far as practical utilise existing disturbed areas. Access must not be over adjoining leasehold sites. Access areas, both vehicular and pedestrian, must be stabilised to prevent sediment loss (eg. with crushed rock).
- If using porous materials (e.g. crushed rock) it should be contained by edging or boxing. Where suitable, porous material should be free of fines to allow for free drainage and to minimise the risk of sediment transport.
- Vehicular and machinery maintenance is not to occur on site.

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Threatened Species

- part of a planning process under the
- The presence of rarphylinarable/threatened approximation site and the necessary protection maximum substitution and the necessary protection maximum substitution and the necessary protection maximum substitution and the necessary protection and t
- If any threatened species accidentified by threasities as listed in the Flora and Fauna Guarantee Act 1988 (FFG Act)cosy the tenvironment Protection and Biodiversity Conservation Act 1999 (EPBC Act), there are specific requirements that must be met which are outside the planning permit or associated assessment process. These requirements must be defined and adhered to as applicable.
- If the FFG Act is triggered, consultation with DSE is required and if the EPBC Act is triggered, consultation with the relevant Federal Government department is required.

Easements and existing service locations

- Contact the 'Dial Before You Dig' service (phone 1100 or web <u>www.1100.com.au</u>) and the relevant RMB to identify where all existing services and infrastructure are located on site
- Contact the relevant service utility/planning authorities to determine what measures need to be implemented to best protect the asset. (For Information regarding Telstra: Telstra Network Integrity Services 1800 810 443)

Storage Areas for Building Materials and Waste Storage (on and off site)

- The storage of all equipment, waste and building materials must be contained within the areas defined on the Construction Management Plan.
- Construction areas must be kept free of litter at all times.
- Adequate and appropriate waste bins must be provided on site, with locations to be determined in conjunction with the relevant RMB. If waste bins are to be located off site, written approval from the RMB is required.

- Waste must be transported to an appropriate off-site transfer station, recycling centre or land fill, to be determined in consultation with the relevant RMB.
- Waste is to be collected when waste bins are full.
- Waste is to be reduced by selecting, in order of preference, avoidance, reduction, reuse and recycling methods. Construction should involve the reuse of materials and the recycling of waste wherever possible.
- No waste may be disposed of on site.
- Chemicals and fuels stored on site must be kept to a minimum. If stored on site, bunds must be installed to reduce the potential damage caused by spills.
- All equipment, construction materials and waste must be removed from the site as part of site clean up works.
- Preparation of a Waste Management Plan in conjunction with the relevant RMB is encouraged to help achieve compliance with the relevant performance standards.
- No fire is to be lit on site without RMB approval.

Sediment Control Measures

- Sediment run-off controls and drainage around all construction areas must be established prior to commencement of any building or works.
- Sediment traps must be designed, installed and maintained to maximise the volume of sediment trapped from the site during construction.
- A mulch of fibre matting, shredded plant material from the site or certified weed free sterile straw, preferably from a pasture fescue crop, must be maintained on exposed areas until adequate plant cover is produced made available
- Grading, excavation and then struction on the structure of the struct
- Sediment control measures and standing preizes and daptacity to withstand the flow of a one in five year stormant g and Environment Act 1987.
- All sediment control metsures intususe intaintained auring, construction and inspected prior to (and after) rain percents to venishing the practice to venishing properly.
- Topsoil must be kept separate from substitution when stockpiling soil, and covered with an appropriate fabric to minimise loss and sedimentation
- All loads of soil being taken off site for disposal must be covered.
- Drainage is to be returned to previously existing flow paths, except where specified by a separate drainage report.
- All stockpiles of soil, sand, fertiliser, cement or other fine, loose material must be placed in locations away from drainage lines, roadside channels and culverts unless adequately protected from erosion by diversion drains, bunds or similar works. All stockpiles must be covered.

Stormwater Drainage Measures

- Any water to be pumped from the site should be filtered before release to ensure that no sediment or weed seeds enter the stormwater system. Energy dissipation measures also need to be in place to guard against potential scouring.
- Natural drainage patterns must not be altered post construction, except through an approved drainage plan.
- Cut-off or intercept drains must be established during construction to redirect stormwater away from cleared areas and slopes to stable (vegetated) areas.
- Stormwater collected by impervious surfaces during construction must be drained via sediment traps to the road drainage system where possible.
- Drip line drainage, including energy dissipation measures, must be installed under eaves to minimise erosion caused by raindrop action and snow shedding.

Management of Pests and Animals

- All construction vehicles and equipment must be cleared of soil and organic matter to remove seeds prior to arriving on site to prevent the introduction and/or spread of weeds and pathogens.
- Site inspections must be conducted by the site supervisor during and after construction to identify weed species requiring control.
- Building work that uses transported gravel and soil must be monitored to prevent the introduction of exotic species.
- No animals (including dogs) are permitted on site without the prior written consent of the relevant RMB.

Management of Hawkweed (Hieracium Species) (Falls Creek Only)

All external works within the Falls Creek Alpine Resort must be assessed for the presence of Hawkweed in conjunction with the RMB's Natural Resource Manager. A Works Practice, in accordance with the Works in Hawkweed Sites Procedures, must be provided as part of the SEMP.

Contact the Natural Resource Manager, Falls Creek Resort Management for a copy of the Hawkweed Sites Procedures.

Hieracium plants, parts of plants and soil containing seed must not be removed from the construction site(s) without a current permit issued under *the Catchment and Land Protection Act 1994* by the Department of Primary Industries (DPI). Failure to obtain a permit may result in legal action.

Hieracium sightings must be reported to DPI on telephone 136 186. For information regarding hawkweeds and their identification contact DPI on 136 186 or go to:

http://www.dpi.vic.gov.au/DPI/nrenfa.nsf/LinkView/7157B82C7ECBF5CCCA2575BE0024551 C2B72296A5108C4FFCA25734F0009F96F/\$file/hawkweed.pdf

Further Guidance:

Department of Sustainability and Environment

http://www.dse.vic.gov.au/dse/index.htm

Guidelines for Minimising Soil Erosion and Sedimentation from Construction Sites in Victoria, compiled under the guidance of the Land Disturbance Working Party ; by R.J. Garvin, M.R. Knight, T.J. Richmond

Water Sensitive Urban Design Guidelines for Alpine Environments, Dec 2005

EPA's publication 275 'Construction Techniques for Sediment and Pollution Control', available online: <u>www.epa.vic.gov.au</u>, link – Publications and Library

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PART C SITE REHABILITATION PLAN

A Site Rehabilitation Plan for all areas of exposed soil created by the construction must be developed, in conjunction with the relevant RMB.

Indigenous species of local provenance must be used for revegetation purposes.

The interval between clearing, soil stabilisation and replanting should be kept to an absolute minimum.

Areas of exposed soil must be stabilised progressively as works are completed and all areas of exposed soil must be stabilised no later than 15 May.

Adequate stabilisation must be maintained until plant cover is established.

The Site Rehabilitation Plan must include the following (as appropriate):

- Type of soil stabilisation to be used on disturbed areas
- Location of on-site replanting (if applicable), indicating the species and number to be used and approximate area (in square metres) of ground cover species
- Schedule of works to undertake:
 - Soil stabilisation
 - o Planting
 - o Maintenance and extent of monitoring and follow-up works on site.

Further Guidance:

Department of Sustainability and Environment

http://www.dse.vic.gov.au/dse/index.htm

The Australian Alps Rehabilitation Manual, available online: http://www.australianalps.environment.gov.au/publications/research-reports/rehabilitation.html

Rehabilitation Guidelines for the Resort Areas of Kosciuszko National Park August 2008, available online: <u>http://www.environment.nsw.gov.au/parkmanagement/knp_resortrehab.htm</u> (*This is a NSW publication, but it has valuable information that can be applied to the Victorian alpine areas)

Contact the relevant RMB for indigenous plant suppliers and advice

Note: Site rehabilitation is separate to any offset requirements for native vegetation removal authorised by the permit



Declaration

I agree to ensure that:

All site and environmental protection measures outlined within the approved SEMP will be adhered to.

 \boxtimes All endorsed plans will be adhered to.

All site rehabilitation and revegetation works will be undertaken in accordance with the approved SEMP.

Prior to construction personnel commencing work, the site supervisor will ensure:

 \square An appropriate site induction has been undertaken

 \boxtimes Equipment/Plant will be serviced off-site.

All equipment will be cleaned and free of vegetation, soil and seed prior to being brought on to the site.

Approval from the Resort Management Board will be obtained prior to any out-ofhours work occurring. Written notification will be provided to local residents when out-of-hours work is occurring.

Provision of new service connections and upgrading of existing services will be undertaken in a timely manner with minimal on-site and off-site impacts and with prior approval of the RMB and services providers.

Advice will be obtained from the 'Dial Before You Dig' service to determine the location of existing services onsite

Edward Mahon

Full Name

Signature

Date: 16/01/2024

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