

## **6 MACRAES MINING PROJECT MINERAL ZONE**

### **6.1 ZONE STATEMENT**

The Macraes Mining Zone applies to the area of land controlled by Macraes Mining Limited and included in Mining Permit 41-064 at the date of public notification of this Plan. The predominant land use in the zone is the open pit mining and processing of rock to extract a substantial gold resource that exists.

### **6.2 DISTRICT-WIDE RULES**

Attention is drawn to the following District-Wide Rules which may **also** apply in addition to any relevant Zone Rules to activities undertaken in the Macraes Mining Project Mineral Zone. Any one or more of the District-Wide Rules may require an activity to obtain a resource consent.

- Temporary Buildings and Temporary Activities .....(Refer Rule 10)
- Heritage Rules.....(Refer Rule 11)
- Transport/Car Parking Rules .....(Refer Rule 12)
- Sign Rules .....(Refer Rule 13)
- Subdivision, Development and Financial Contributions Rules .....(Refer Rule 14)
- Utilities .....(Refer Rule 15)
- Hazardous Substances Rules .....(Refer Rule 16)
- Natural Hazards Rules .....(Refer Rule 17)

### **6.3 ACTIVITIES**

#### **6.3.1 PERMITTED ACTIVITIES**

The following activities shall be **Permitted Activities**, provided that they comply with all of the Site Development Standards (Rule 6.4) and Critical Zone Standards (Rule 6.5):

**1. Forestry\*;**

*\*Notwithstanding any other rules in this plan, all plantation forestry activities regulated under the Resource Management (National Environmental Standards for Plantation Forestry) Regulations 2017 must comply with those regulations.*

**2. Farming Activities;**

**3. Service Activities;**

**4. Recreational Activities (other than surface of waterways), limited to:**

- a) organised groups or private visits to the Macraes Mining operation;
- b) provided that buildings associated with recreational activities, do not exceed 50m<sup>2</sup> in area and are restricted to information facilities and/or toilets.

**5. Activities on the surface of waterways;**

**6. Mineral Prospecting and Mineral Exploration;** subject to the following conditions:

- a) ground disturbance shall be restricted to 100m<sup>2</sup> per exploration area. Any ground disturbance greater than 100m<sup>2</sup> shall be a discretionary activity.

The area shall be rehabilitated as follows:

- i) topsoil shall be stripped and stockpiled and be reused for rehabilitation purposes;
- ii) land shall be replanted with vegetation species that integrate with the adjacent vegetation community and which visually blends into the surrounding country;
- iii) final rehabilitation earthworks shall be formed such that the contours and transitions closely resemble and blend in with the surrounding natural landform.

Regional Council consent may be required for drilling, taking of water, discharges to land or water, dams and diversions.

7. **Mining** except for those activities associated with mining which are listed below in Rule 6.3.2 (1).

### 6.3.2 Discretionary Activities

The following activities shall be **Discretionary Activities**:

1. **The excavation and construction of pits, pit margins, waste rock stacks and embankments, tailings impoundments and any other dams, roads and tracks associated with mining**

The exercise of the Council's discretion being restricted to the following matters:

- a) Rehabilitation of disturbed ground and vegetation;
  - b) Landscaping includes the siting and shaping of the pits, pit margins, waste rock stacks and embankments, tailings impoundments and any other dams, roads and tracks.
  - c) Long term structural stability, environmental integrity, and safety of the pits, pit margins, waste rock stacks and embankments, tailings impoundments and any other dams, roads and private tracks.
  - d) The modification or destruction of features of historic or archaeological value or any nature conservation value provided no conditions imposed be inconsistent with any heritage plan in existence.
  - e) Methods to avoid any discharge to water.
  - f) Effects on Grand and Otago Skinks.
2. **Any Activity** which is listed as a Permitted Activity and which complies with all of the relevant Critical Zone Standards (Rule 6.5), but does not comply with one or more of the relevant Site Development Standards (Rule 6.4).

3. **Any Other Activity**, which is not listed as a Permitted, Discretionary or Non-Complying Activity and which complies with the Critical Zone Standards (Rule 6.5).

### 6.3.3 Non-Complying Activities

The following activities shall be **Non-Complying Activities**:

1. **Residential Activities**
2. **Commercial Activities**
3. **Any Activity** which is not listed as a discretionary activity and which does not comply with one or more of the relevant Critical Zone Standards.

## 6.4 SITE DEVELOPMENT STANDARDS

### 6.4.1 Tree Planting

i. **Setback from Zone Boundary**

No tree planting, except for amenity tree planting, shall be located on, or within, 15 metres of the Zone boundary unless prior written permission from the landowner(s) that adjoin that part of the Zone Boundary.

**Note:** Where written permission is not obtained within this setback, tree planting shall be a discretionary activity with respect to this matter - refer Rule 6.3.2.2.

### 6.4.2 Site of Nature Conservation Significance

There shall be no drainage, earthworks, or vegetation clearance associated with Nature Conservation Site 106 identified on the Planning Map.

## 6.5 CRITICAL ZONE STANDARDS

### 6.5.1 Noise

Activities shall be conducted such that the following noise levels are not exceeded at the Macraes Mining Mineral Zone Boundary:

- |                    |                    |
|--------------------|--------------------|
| • during daytime   | 55dBA LAeq (15min) |
| • during nighttime | 40dBA LAeq (15min) |
| • at all times     | 75dBA LAFmax       |

### 6.5.2 Vibration

Activities shall be conducted such that the following ground vibration levels measured either at the Macraes Mining Zone boundary or the boundary of the Golden Point Historic Reserve shall not exceed 10mm per second peak particular velocity measured in the frequency range 3 hertz and 12 hertz.

### 6.5.3 Blasting

Activities shall be conducted such that the following air blast peak over sound pressure measured either at the Macraes Mining Zone Boundary or any building within the Golden Point Historic Reserve shall not exceed 128 dB linear unweighted. The hours of blasting shall be restricted to the following:

- Monday-Friday 9am to 5.30pm
- Saturday and Sunday 10am to 4.30pm.

#### **6.5.4 Lighting**

1. Activities shall be conducted such that 5 lux spill (horizontal and vertical) is not exceeded at the Macraes Mining Zone Boundary.
2. All exterior lighting shall be, where visible, directed away from public roads and the Macraes Mining Zone Boundary.

#### **6.5.5 Tree Planting**

##### **1 Interference with structures**

No trees planted shall be positioned such that when the trees grow they interfere with existing power poles, power lines or any underground piping.

##### **2 Setback from roads**

No tree planting shall be positioned such that when the trees grow they will shade a public road between the hours of 1000 and 1400 on the shortest day of the year.



