WAIHI NORTH PROJECT - PROPOSED CONDITIONS FOR THE HAURAKI DISTRICT COUNCIL LAND USE CONSENTS

[*Note – the 'comment' column has been provided for guidance and interpretation purposes only, and is not proposed to form part of the consent conditions*]

	Condition	Comment
	Scope of Activities	
1	The activities authorised by this consent include those listed below, as described in the Application and supporting technical documents submitted by OceanaGold New Zealand Limited to the Environment Protection Authority in support of authorisations for the Waihi North Project under the Fast-track Approvals Act 2024 ("Act"). a. Within the Biodiversity Project Area: i. Pest control and habitat enhancement works; and ii. Ecological monitoring activities b. Within Area 1: i. Clearance of indigenous vegetation within a Significant Natural Area (**SNA**) to enable the establishment of drill sites, pumping test sites, and ventilation shaft sites; ii. Exploration, mining operations and underground mining, including: i. Establishment of tunnels to the Wharekirauponga orebody (Wharekirauponga Mine Dual Tunnel); ii. Establishment of up to four ventilation shafts and associated surface ventilation sites, including ventilation evasé and onsite construction amenities; iii. Establishment of drill sites, pumping test sites, and ventilation shaft sites in the Coromandel Forest Park ("**CFP**"), including drilling platforms and all necessary infrastructure; iv. Exploration and investigative drilling, allowing for simultaneous operation of six surface drill rigs, of which a maximum of 5 may be platform-based rigs (the balance being portable rig(s)); v. Establishment and use of amenity, camp and helicopter landing facilities at drill sites, pumping test sites and ventilation shaft sites;	

	Condition	Comment
	vi. Accessing drill sites, pumping test sites and ventilation shaft sites by helicopter; vii. Erection and maintenance of security fencing; viii. Exploration and investigative drilling from underground and surface drill sites and portable rig locations; ix. Establishment of walking tracks to access drill sites, ventilation shafts and monitoring equipment; x. Establishment of mine access tunnels; xi. Development, stoping and mining of the orebody; xii. Drilling, blasting, earthworks and the removal of waste material and ore; xiii. Injection of cementation or other grout / sealant into ground for geotechnical and/or hydrogeological requirements; xiv. Backfilling of underground voids with rock, cemented rock fill (CRF) or cemented aggregate fill (CAF); xv. Underground rock storage and stockpile areas; xvi. Establishment of an underground explosives magazine; xvii. Establishment of a workshop to service and maintain mine equipment; xviii. Establishment of communications and general amenities within the tunnels; xix. Establishment of refuge chambers, tunnel recesses and other areas necessary to effectively complete mining of the orebody; xx. Establishment of sumps, pumps, pipelines, electrical equipment, ventilation infrastructure and other equipment to effectively and efficiently complete mining of the orebody; xxi. Use of a range of mining equipment to service the mine; xxii. Storage, use and disposal of hazardous substances; xxiii. Installation and use of monitoring equipment including piezometers, standpipes, telemetry nodes, weather stations, vibration monitoring equipment,	

	Condition	Comment
	level loggers and all other necessary monitoring equipment necessary to exercise this consent; xxiv. Maintenance of all equipment and installations; xxv. Restoration and enhancement planting, habitat enhancement and pest control; xxvi. Fauna salvage and monitoring; xxvii. The establishment and maintenance of electric fencing around fauna release sites and fencing within fauna release sites; xxviii. The establishment and maintenance of frog / lizard exclusion fences around drill sites; pumping test sites and ventilation shaft sites; xxix. Any necessary fauna salvage in accordance with the Waihi Underground Mine Ecology and Landscape Management Plan (ELMP-WUG); and xxx. Rehabilitation and closure activities. xxxi. Installation of surface and groundwater monitoring devices, including piezometers installed in drilled holes, adjacent to Natural State Water Bodies and Natural Inland Wetlands; xxxii. Undertaking of surface and groundwater monitoring in Natural State Water Bodies and Natural Inland Wetlands. c. Within Area 2: i. Establishment and use of the Willows Portal and associated infrastructure; ii. Establishment and use of the Willows Access Tunnel from Willows Portal to the Wharekirauponga Mine Dual Tunnel (tunnel decline to the boundary of the property shared with the Coromandel (Indigenous Forest) Zone) and associated infrastructure; iii. Injection of cementation or other grout / sealant into ground for geotechnical and/or hydrogeological requirements; iv. Establishment of refuge chambers, tunnel recesses and other areas necessary to effectively complete mining of the orebody; v. Establishment of sumps, pumps, pipelines, electrical equipment, ventilation infrastructure and other equipment	

	Condition	Comment
	to effectively and efficiently complete mining of the orebody; vi. Drilling, blasting, earthworks and the removal of material; vii. Establishment and use of a ventilation shaft for the Willows Access Tunnel and associated infrastructure; viii. Vegetation clearance; ix. Earthworks including topsoil removal and stockpiling and the implementation of sediment control measures; x. Establishment of bunds / screens and security fencing; xi. Establishment of services and water management systems; xii. Establishment and use of the Willows Rock Stack and associated infrastructure; xiii. Establishment and use of topsoil, limestone and other non-acid forming material stockpiles; xiv. Establishment of silt and collection ponds; xv. Establishment of a surface explosives magazine; xvi. Installation and use of a substation and switch room; xvii. Installation and use of electricity generators; xviii. Establishment, use and lighting of offices, amenity facilities and workshops; laydown yards, water and wastewater services, emergency response facilities, security hut, boom gate, and other mine services; xix. Establishment and use of refuelling facilities, including fuel storage tanks; xx. Establishment of vehicle crossings from Willows Road to the Willows Surface Facilities Area; xxi. Construction of internal access roads and parking areas; xxii. Establishment and operation of a helipad and associated carparking. xxiii. Erection of internal signs to provide directions, safety instructions and information for staff and visitors within the site; xxiv. Storage and use of hazardous substances; xxv. Installation and use of monitoring equipment, including piezometers in subsurface drilled holes, standpipes, vibration monitoring equipment, subsidence monitoring	

	Condition	Comment
	and all other necessary monitoring equipment necessary to exercise this consent; xxvi. Disturbance of soil and change of the land use at a Hazardous Activities and Industries List (HAIL) site; xxvii. Underground and surface infrastructure including conveyance of compressed air, water, communications and electricity; xxviii. Maintenance of all equipment and installations; xxix. Rehabilitation and closure activities; xxx. Planting, habitat enhancement and pest control; and xxxi. Any necessary fauna salvage in accordance with the ELMP. d. Within Area 3: i. Construction, operation and maintenance of the Wharekirauponga Access Tunnel and associated infrastructure, including the new access portal for the Tunnel; ii. Drilling, blasting, earthworks and the removal of material; iii. Use of existing underground mines for the placement of excavated rock material as backfill; iv. Injection of cementation or other grout / sealant into ground for geotechnical and/or hydrogeological requirements; v. Erection and maintenance of security fencing and a security hut; vi. Establishment and use of monitoring equipment, including piezometers in subsurface drilled holes, standpipes, vibration monitoring equipment, subsidence monitoring and all other necessary monitoring equipment necessary to exercise this consent; vii. Storage and use of hazardous substances; viii. Maintenance of all equipment and installations; ix. Restoration and enhancement planting, habitat enhancement and pest control; and x. Any necessary fauna salvage in accordance with the ELMP.	

	Condition	Comment
	e. Within Area 5: i. Establishment and use of a new access portal(s) for the Wharekirauponga Access Tunnel and Martha operations; ii. Drilling, blasting, earthworks and the removal of material iii. Use of existing underground mines for the placement of excavated rock material as backfill; iv. Injection of cementation or other grout / sealant into ground for geotechnical and/or hydrogeological requirements; v. Underground and surface infrastructure including conveyance of compressed air, water, communications and electricity; vi. Exploration and investigative drilling and the installation of piezometers and other monitoring equipment associated with the establishment and operation of Gladstone Open Pit and associated infrastructure; vii. Clearance of vegetation, earthworks including stripping and stockpiling of topsoil, and the implementation of sediment control measures; viii. Erection and maintenance of security fencing; ix. Establishment and use of a topsoil stockpile adjacent to Gladstone Open Pit; x. Establishment of bunds / screens; xi. Establishment and use of water management infrastructure, including new diversion and dewatering drains and storage ponds; xii. Formation and use of internal access roads; xiii. Transportation of crushed rock, either by conveyor or vehicular; xiv. Disestablishment of the existing Favona Portal and related infrastructure; xv. Surface mining of Gladstone Open Pit (including drilling and blasting); xvi. Upgrades to the conveyor system; xvii. Hauling and/or conveying of rock to, from and between the new access portal(s), Gladstone Open Pit, Polishing Pond Stockpile, Run of Mine Stockpile, Favona Stockpile, the Northern Rock Stack or Tailings Storage Facility 3;	

	Condition	Comment
	xviii. Temporary stockpiling of limestone; xix. Partial backfilling and lining of Gladstone Open Pit in preparation for tailings disposal; xx. Disposal of tailings within Gladstone Open Pit Tailings Storage Facility; xxi. Capping of the Gladstone Open Pit Tailings Storage Facility with rock and soil, and undertaking rehabilitation activities; xxii. Capping of any potentially acid forming (PAF) pit walls above the spillway level; xxiii. Establishment and operation of new carparking facilities; xxiv. Relocation of any existing overhead or underground power lines, water and / or communication cables; xxv. Upgrade and operation of the Processing Plant to process up to 2.25 million tonnes of ore per annum; xxvi. Upgrade and operation of the Water Treatment Plant; xxvii. Continued use of other existing facilities and infrastructure within the Waihi Surface Facilities Area, including the maintenance workshop, store, office and amenity facilities; xxviii. Mitigation planting / biodiversity enhancement; xxix. Erection of internal signs to provide directions, safety instructions and information for staff and visitors within the site; xxx. Storage and use of hazardous substances; xxxi. Disturbance of soil and change of the land use at a HAIL site; xxxii. Maintenance of all equipment and installations; xxxiii. Rehabilitation and closure activities; xxxiv. Restoration, mitigation and enhancement planting, habitat enhancement and pest control; and xxxv. Any necessary fauna salvage in accordance with the ELMP. f. Within Area 6: i. Vegetation clearance; ii. Establishment and operation of the Northern Rock Stack and associated infrastructure;	

	Condition	Comment
	iii. Earthworks including stripping and stockpiling of topsoil and subsoil from the Northern Rock Stack footprint; iv. Removal or relocation of existing structures, including an OGNZL owned dwelling, workshop structures, a fuel bowser and grease storage facilities; v. Relocation of any existing overhead or underground power lines, water and / or communication cables; vi. Establishment and use of water management infrastructure including diversion drains, pumps, pipelines and silt and collection ponds and associated spillways and discharge channels; vii. Installation and use of monitoring equipment, including piezometers in subsurface drilled holes, standpipes, vibration monitoring equipment, subsidence monitoring and all other necessary monitoring equipment necessary to exercise this consent; viii. Upgrades to the conveyor system; ix. Mining activities, including drilling, blasting and excavation at the Western Borrow Area; x. Use of existing underground mines for the placement of excavated rock material as backfill; xi. Establishment and use of an explosives magazine; xii. Temporary and permanent storage of rock; xiii. Formation and use of internal access roads and parking areas; xiv. Installation of security fencing; xv. Storage and use of hazardous substances; xvi. Erection of internal signs to provide directions, safety instructions and information for staff and visitors within the site; xvii. Disturbance of soil and change of land use at a HAIL site associated with rehabilitation works; xviii. Excavation at a borrow area; xix. Maintenance of all equipment and installations; xx. Rehabilitation and closure activities; xxi. Restoration, mitigation and enhancement planting, habitat enhancement and pest control; and	

	Condition	Comment
	xxii. Any necessary fauna salvage in accordance with the ELMP. g. Within Area 7: i. Erection and maintenance of security fencing; ii. Clearance of indigenous vegetation, including clearance within a SNA; iii. Establishment and operation of Tailings Storage Facility 3 and associated infrastructure; iv. Earthworks, including stripping topsoil and subsoil from the Tailings Storage Facility 3 footprint, with associated erosion and sediment control measures; v. Establishment and use of soil and non-acid forming material stockpiles adjacent to Tailings Storage Facility 3; vi. Establishment and use of water management infrastructure including diversion drains, perimeter drains, subsurface drains, pipelines and silt and collection ponds including the realignment of a section of the Ruahorehore Stream; vii. The installation and use of monitoring equipment including piezometers in subsurface drilled holes, standpipes, vibration monitoring equipment, subsidence monitoring and all other necessary monitoring equipment necessary to exercise this consent; viii. Extension of existing Tailings Storage Facility services to Tailings Storage Facility 3, including, but not limited to, electricity for the leachate and pumping systems, existing tailings delivery lines, decant water return pipes and electricity for the decant return pumps, and extension of the overhead powerline; ix. Construction of the Tailings Storage Facility 3 embankment and impoundment and associated infrastructure, including placement of soil, limestone and other material and geomembrane liners; x. Discharge of tailings; xi. Formation and use of internal access roads, haul roads and parking areas, and use of existing OGNZL haul roads in the surrounding area; xii. Mitigation planting / biodiversity enhancement; xiii. Use and storage of hazardous substances;	

	Condition	Comment
	xiv. Erection of internal signs to provide directions, safety instructions and information for staff and visitors within the site; xv. Change of land use at a HAIL site associated with rehabilitation works; xvi. Mining activities, including drilling, blasting, and excavation at borrow areas; xvii. Maintenance of all equipment and installations; xviii. Rehabilitation and closure activities; xix. Restoration and enhancement planting, habitat enhancement and pest control; and xx. Any necessary fauna salvage in accordance with the ELMP. h. Outside the Biodiversity Project Area and Areas 1 – 7: i. Upgrade and use of the Kenny Street carpark; ii. Upgrade of Willows Road and the Willows Road / State Highway 25 intersection; iii. Operation of the conveyor in a reverse direction; iv. Restoration and enhancement planting, habitat enhancement and pest control; v. Installation of surface and groundwater monitoring devices, including piezometers installed in drilled holes, adjacent to Natural State Water Bodies and Natural Inland Wetlands; vi. Undertaking of surface and groundwater monitoring in Natural State Water Bodies and Natural Inland Wetlands; and vii. Establishment and operation of any infrastructure which may be required to supplement water into Natural State Water Bodies and Natural Inland Wetlands. Activities not listed above may also be carried out, but only provided they are directly related to, and form part of, the Waihi North Project as described in the Application and supporting technical documents submitted by OceanaGold New Zealand Limited to the Environment Protection Authority in support of authorisations for the Waihi North Project under the Fast-track Approvals Act 2024.	

	Condition	Comment
2	Pursuant to Section 87(b) of the Fast-track Approvals Act 2024, this consent shall lapse if not given effect to within 10 years of its date of commencement.	
3	Pursuant to Section 96 of the Fast-track Approvals Act 2024, this consent is for an unlimited period.	
4	At least 20 working days prior to the first exercise of this consent, the Consent Holder must advise the Hauraki District Council in writing of the date upon which the exercising of this consent is to be commenced.	
Schedule One (Common Conditions)		
5	The Consent Holder must comply with the common conditions between the Hauraki District Council and the Waikato Regional Council in Schedule One. *Advice Note: Schedule One includes conditions which address the following:* *a. Tangata Whenua Conditions;* *b. Annual Work Programme;* *c. Company Liaison Officer;* *d. Complaints Procedure;* *e. Accidental Discovery Protocols;* *f. Dewatering and Settlement Monitoring and Management Plan;* *g. Dewatering and Settlement Monitoring Report;* *h. Peer Review Panel;* *i. Rehabilitation and Closure;* *j. Public Provision of Management Plans and Monitoring Reports;* *k. Rehabilitation Bond; and* *l. The Martha Trust & Capitalisation Bond.*	
	Construction Noise	
6	Conditions 7 - 14 apply to the following construction activities: a. Within all Areas: i. Construction of access roads; ii. Clearance of vegetation, stripping and stockpiling subsoils and topsoil;	These are the activities that the Marshall Day noise report has recommended be subject to the construction noise limits

	Condition	Comment
	iii. Excavation of unsuitable materials and backfilling of the excavations where necessary; iv. Construction of clean and dirty water drains, underdrains, and silt and collection ponds and associated spillways as required; and v. Deconstruction works on closure of the facilities, e.g. removal of infrastructure and earthworks, and rehabilitation for future land use. b. Within Area 2: i. All construction of buildings and structures within the Willows Surface Facilities Area, and construction and maintenance of all site roads and access tracks; ii. Construction of Willows Portal and associated infrastructure, and initial 100 metre length of the Willows Access Tunnel; iii. Construction of drill pads, ventilation shaft and evasé; iv. Upgrades required to Willows Road and SH25 intersection; v. Rock stack preparatory work, including subsoil and topsoil stripping and stockpiling, foundations, underdrains, surface water diversion drains and silt ponds; and vi. Ventilation shaft construction and ventilation evasé installation. c. Within Area 3: i. Construction of the access portal to the Wharekirauponga Access Tunnel and associated infrastructure, and the Martha access portal, including the initial 100 metres of the Wharekirauponga Access Tunnel. d. Within Area 5: i. Relocation of services, including overhead powerlines; ii. All activities associated with installing replacement and new facilities within the Processing Plant and Water Treatment Plant; iii. Construction of noise barriers (bunds or walls) and soil stockpiles; iv. Initial stripping of soil, subsoil and overburden within the footprint of the Gladstone Open Pit for the purpose of bund construction and soil stockpiling; and	

<table>
<tr><th></th><th>Condition</th><th>Comment</th></tr>
<tr><td></td><td>v. Construction of the access portal to the Wharekirauponga Access Tunnel and associated infrastructure, and the Martha access portal.

e. Within Area 6:
i. Rock stack preparatory work, including subsoil and topsoil stripping and stockpiling, and the construction of foundations, compacted liner, underdrains, surface water diversion drains and silt ponds;
ii. Local material borrowing activities; and
iii. Relocation of existing facilities: workshop, amenities; and
iv. Establishment and use of an explosives magazine

f. Within Area 7:
i. Construction of the upstream clean water diversion drains;
ii. Placement and compaction of the Tailing Storage Facility 3 initial embankment foundation, Zone A and geomembrane liner materials;
iii. Local material borrowing activities; and
v. Foundation preparation for the soil stockpiles and then stripping and stockpiling soil from construction activities.</td><td></td></tr>
<tr><td></td><td>Construction Noise Standards</td><td></td></tr>
<tr><td>7</td><td>Subject to Condition 8 and Condition 9, noise from construction activities must be managed, measured and assessed in accordance with NZS 6803:1999 Acoustics - Construction Noise and must comply with the noise limits set out in the following table.
<table>
<tr><th>Day</th><th>Time</th><th>L_{Aeq}</th><th>L_{Amax}</th></tr>
<tr><td colspan="4">Residential Receivers</td></tr>
<tr><td>0630h Monday to 0630h Saturday</td><td>0630h – 0730h
0730h – 1800h
1800h – 2000h
2000h – 0630h</td><td>55 dB
70 dB
65 dB
45 dB</td><td>75 dB
85 dB
80 dB
75 dB</td></tr>
<tr><td>0630h Saturday to 0630h Sunday</td><td>0630h – 0730h
0730h – 1800h
1800h – 2000h
2000h – 0630h</td><td>45 dB
70 dB
45 dB
45 dB</td><td>75 dB
85 dB
75 dB
75 dB</td></tr>
</table></td><td>The residential receiver limits are the construction noise limits recommended in the Marshall Day noise report</td></tr>
</table>

	Condition	Comment
	<table><tr><td rowspan="4">0630h Sunday and Public Holidays to 0630 the following morning</td><td>0630h – 0730h</td><td>45 dB</td><td>75 dB</td></tr><tr><td>0730h – 1800h</td><td>55 dB</td><td>85 dB</td></tr><tr><td>1800h – 2000h</td><td>45 dB</td><td>75 dB</td></tr><tr><td>2000h – 0630h</td><td>45 dB</td><td>75 dB</td></tr><tr><td colspan="4">Commercial and Industrial Receivers</td></tr><tr><td rowspan="2">All</td><td>0730h – 1800h</td><td>70 dB</td><td rowspan="2"></td></tr><tr><td>1800h – 0730h</td><td>75 dB</td></tr></table>	
8	The limits in Condition 7 do not apply in circumstances where: a. The activity is subject to a certified Construction Noise Management Plan and the Best Practicable Option ("BPO") for managing the noise effects of the activity requiring an exceedance of the noise limits in Condition 7; and b. The exceedance of the noise limits in Condition 7 is no greater than 5 decibels; and c. The exceedance of the noise limits only occurs: i. between 0700 and 2200 for 1 period of no more than 2 consecutive weeks in any 2 months; or ii. between 2200 and 0700 for 1 period of up to 2 consecutive nights in any 10 days.	
9	The construction noise limits in Conditions 7 and 8 do not apply to any property or site that is: a. Owned by the Consent Holder or a related company; or b. Owned or occupied by a third party which is subject to either a registered covenant or a written agreement (a copy of which has been provided to the Hauraki District Council) whereby noise effects on the property caused by activities authorised by this consent are not to be taken into account for monitoring and compliance purposes.	This clause applies to all of OGNZL's existing resource consents.
	Construction Hours	
10	Construction activities listed in Condition 6 must only occur between 0730 to 1800 on weekdays and Saturdays unless those activities are specified in terms of their location, duration, timing and predicted noise levels in a certified Construction Noise Management Plan.	

	Condition	Comment
	Construction Noise Management Plan	
11	Other than for Area 1, Area 3, for each Mine Site Area described in Condition C1b of Schedule One, the Consent Holder must provide a Construction Noise Management Plan for certification under Condition C3 of Schedule One. Certification is required to verify that the Construction Noise Management Plan: a. Includes actions, methods, monitoring programmes and trigger levels as appropriate to meet the objective in Condition 12; and b. Satisfies the requirements in Condition 13 *Advice Note: Construction Noise Management Plans may be submitted for each Area separately or multiple Areas combined.*	
12	The objective of the Construction Noise Management Plan is to provide a framework for the development and implementation of the BPO for the management of all construction noise effects, how the requirements of Condition 7 will be achieved, circumstance where Condition 8 applies, and to define the procedures to be followed if the noise standards in the table in Condition 7 will be exceeded.	
13	The Construction Noise Management Plan must as a minimum, address the noise management measures set out in Annexure E of the NZS6803:1999 Acoustics - Construction Noise and address the following matters: a. Construction sequencing; b. Machinery and equipment to be used, including the use of non-percussive or low noise machinery where practicable; c. Hours of operation, including times and days when noisy construction work will occur; d. The design of noise mitigation measures such as temporary barriers or enclosures; e. Construction noise limits for specific areas; f. Development of alternative strategies where full compliance with NZS6803:1999 cannot be achieved, including consultation with residents and other occupiers to achieve the BPO. This may include consideration of temporary relocation of building occupants where applicable; g. Methods for monitoring and reporting on construction noise; and	

<table>
<tr><th></th><th>Condition</th><th>Comment</th></tr>
<tr><td></td><td>h. Methods for receiving and responding to complaints about construction noise.</td><td></td></tr>
<tr><td></td><td>Construction Noise Monitoring</td><td></td></tr>
<tr><td>14</td><td>The Consent Holder must:
a. At weekly intervals, record representative noise levels from construction activities and assess them against the requirements of Condition 7; and
b. Provide a summary report on compliance with Condition 7 to the Hauraki District Council every three months.</td><td>This is the same monitoring frequency as is required on OGNZL's Project Martha resource consents for construction activities.</td></tr>
<tr><td></td><td>Operational Noise</td><td></td></tr>
<tr><td>15</td><td>For the purposes of Conditions 22 – 29, operational noise is all noise associated with activities authorised by these consents other than construction noise arising from activities specified in Condition 6.
Operational noise includes:
i. noise associated with any activity undertaken in Area 1;
ii. noise arising from maintenance activities in any Area.</td><td></td></tr>
<tr><td>16</td><td>Noise from operational activities authorised by this consent must not exceed the limits specified below when measured at or within the boundary of any residentially zoned site or the notional boundary of any occupied dwelling in the Rural Zone:
<table>
<tr><td>0700 - 2200</td><td>Monday to Saturday</td><td>50 dB L_{Aeq}</td></tr>
<tr><td></td><td>All other times</td><td>40 dB L_{Aeq}</td></tr>
<tr><td>2200 – 0700 (the following day)</td><td></td><td>70 dB L_{AFmax}</td></tr>
</table></td><td>These are the noise limits recommended in the Marshall Day noise report. They apply to all activities not listed as 'construction activities' in Condition 6.</td></tr>
<tr><td>17</td><td>Operational noise must be measured in accordance with the provisions of New Zealand Standard NZS 6801:2008 Acoustics – Measurement of Environmental Sound and assessed in accordance with the provisions of New Zealand Standard NZS 6802:2008 Acoustics – Environmental Noise.</td><td></td></tr>
<tr><td>18</td><td>The Consent Holder must:
a. At six monthly intervals, record representative noise levels from all operational activities and assess them against the requirements of Condition 16; and</td><td></td></tr>
</table>

	Condition	Comment
	b. Provide a summary report on compliance with Condition 16 to the Hauraki District Council following the completion of each monitoring event.	
19	The operational noise limits in Condition 16 do not apply to any property or site that is: a. Owned by the Consent Holder or a related company; or b. Owned or occupied by a third party which is subject to either a registered covenant or a written agreement (a copy of which is provided to the Hauraki District Council) whereby noise effects on the property caused by activities authorised by this consent are not to be taken into account for monitoring and compliance purposes.	This clause applies to all of OGNZLs existing resource consents.
	Operational Noise Management Plan	
20	For each Mine Site Area described in Condition C1(b) of Schedule One, other than for Area 3, the Consent Holder must provide an Operational Noise Management Plan for certification under Condition C5 of Schedule One. Certification is required to verify that the Operational Noise Management Plan: a. Includes actions, methods, monitoring programmes and trigger levels as appropriate to meet the objectives in Condition 21; and b. Satisfies the requirements in Condition 22. *Advice Note: Operational Noise Management Plans may be submitted for each Area separately or multiple Areas combined.*	
21	The objectives of the Operational Noise Management Plan are to ensure: a. Compliance with Condition 16 of this consent; and b. That Noise from the operational activities authorised by this consent is managed in accordance with the requirements of Section 16 of the Resource Management Act 1991 and adopts the BPO to ensure the emission of noise from the activities does not exceed a reasonable level.	This condition specifies the objective of the ONMP and the consent conditions it is designed to assist with implementing. Note the section 16 requirement referred to applies to the activities irrespective of the consent limits imposed on the consent

	Condition	Comment
22	The Operational Noise Management Plan must as a minimum, address the following matters: a. The proposed measures to be used to control operational noise; b. Monitoring programmes c. The procedures that will be followed by the Consent Holder should any complaint in relation to operational noise be received; and d. The role of the Consent Holder's staff in the management of operational noise, including the nomination of specific staff member(s) responsible for overseeing the implementation and upkeep of the Operational Noise Management Plan. The Operational Noise Management Plan must include a specific section which demonstrates how operational activities at the Gladstone Open Pit and the Processing Plant upgrade will be undertaken, including: e. The activity and location of proposed works; f. The timing and duration of the activity; g. The equipment to be used and sound power levels for that equipment; h. Updated noise modelling for the operation of Gladstone Open Pit and work associated with the upgrade of the Processing Plant; and i. Use of real time monitoring (or alternative means approved by the Hauraki District Council) to provide verification of compliance and to inform the scheduling and adaptation of activities.	This condition specifies the minimum contents of the ONMP. It contains additional requirements in respect of GOP because the noise modelling shows those activities may, without appropriate management, exceed noise limits in Condition 16 at a number of properties. The measures listed in (f) – (j) are those the Marshall Day report considers necessary to include in the ONMP for the Hauraki District Council and public to have confidence the activity will be / is being managed to achieve the consent limits in Condition 16.
	Blasting and Vibration	
23	All blast events must comply with the limits and standards set out in Conditions 25 and 26 as measured at the boundary of any residential, low density residential or town centre zoned site that is lawfully used for residential purposes, or the notional boundary of any lawfully occupied rural dwelling.	
24	The standards in Conditions 25 and 26 do not apply to any property or site that is: a. Owned by the Consent Holder or a related company; or b. Owned or occupied by a third party which is subject to either a registered covenant or a written agreement (a copy of which is provided to the Hauraki District Council) whereby vibration effects on the property caused by activities authorised by this consent are	

	Condition	Comment
	not to be taken into account for monitoring and compliance purposes.	
25	For all blasting within Areas 2, 3 and 5 associated with the establishment of access portals and underground tunnels: a. The peak particle velocity (vector sum) at the surface must be no more than: i. 5mm/s for 95% of blast events between the hours of 0700 and 2000, Monday to Saturday (excluding public holidays); and ii. 1mm/s for 95% of blast events at all other times; b. The duration of the underground development blasts must be limited to no more than 12 seconds; c. Compliance with the 95% limit must be determined based on the highest recorded vibration for each blast event measured at any monitor installed in accordance with Condition 39(f) or 39(g); and d. The maximum overpressure must not be greater than 120 dBL for any blast.	These are the limits recommended in the Heilig vibration report. It allows night time blasting but subject to a much more stringent vibration limit.
26	For all Gladstone Open Pit Blasting within Area 5, and borrow pit blasting within Areas 6 and 7: a. The peak particle velocity (vector sum) at the surface must be no more than: i. 5mm/s for 95% of blast events between the hours of 0700 and 1800, Monday to Saturday (excluding public holidays); and ii. 1mm/s for 95% of blast events at all other times; b. Compliance with the 95% limit must be determined based on the highest recorded vibration for each blast event measured at any monitor installed in accordance with Condition 39(e); and c. The maximum overpressure must not be greater than 120 dBL for any blast.	These are the limits recommended in the Heilig vibration report.
27	a. For all blasting within Area 1 the peak particle velocity (vector sum) at the surface must be no more than 15 mm/s for 95% of blast events. b. Compliance with this limit must be determined by: i. For development blasting (prior to the first stope blast), monitoring vibration at the surface above tunnelling activities within Area 2 to confirm that development blasting will not exceed the peak particle velocity (vector sum) limit set out in a.	This condition requires vibration in the CFP to be generally in accordance with that described in the Heilig report on which the assessment of effects on native frogs and recreation was based.

	Condition	Comment
	above at any location where subsequent tunnelling occurs in Area 1; ii. For production blasting, monitoring vibration at three representative locations within the upper levels of the underground mine; and iii. Using a predictive algorithm and the vibration recorded at the three underground locations to calculate vibration from production blasting at representative assessment locations on the surface. The predictive algorithm for assessing compliance in this manner must be included in any amended version of the Vibration Management Plan referred to in Condition C4.	
28	When applying Conditions 25 and 26: a. The percentile calculations must be based upon all recorded vibration data. Where the level of vibration does not exceed the threshold level of vibration, the blast shall be assumed to generate 0.5mm/s and be included in the calculation of the 95% statistics. b. For the first 100 blast events at each of: i. Gladstone Open Pit; ii. Western Borrow Pit; iii. Central Borrow Pit; iv. Eastern Borrow Pit; v. Wharekirauponga Access Tunnel and Portal; and vi. Willows Access Tunnel and Portal; compliance with the 95% limit will be satisfied if no more than five of those first 100 events have a maximum particle velocity (vector sum) that exceeds 5mm/s. When applying Conditions 25, 26 and 27: c. For the Gladstone Open Pit, unless b applies, compliance with the 95% limit must be measured over a rolling six-month period. For the other areas listed above in b, compliance with the 95% limit must be measured over a rolling 100 blast events. d. A 'Blast Event' is defined as an individual or number of linked individual blasts.	These requirements are as per the Project Martha LUC. As per the recommendations in the Heilig report (a) requires the threshold level for applicable vibration be set in the Vibration Management Plan. In accordance with the Heilig report Condition 42.f. specifies a default value of 0.75 mm/s be used unless location specific circumstances dictate an alternative number is appropriate.

	Condition	Comment
	Minimising, Mitigating and Compensating Blasting Impacts	
29	In addition to complying with the requirements of Conditions 25 - 26, the Consent Holder must minimise, to the extent practicable, the impacts of blasting vibrations on the community. The measures to be applied must be set out in any amended version of the Vibration Management Plan referred to in Condition C4, and must include, as a minimum: a. Restricting the magnitude and duration of blast events to a minimum consistent with safe and efficient mining operations; b. Implementing timely blast notification procedures using a methodology appropriate for the receiving environment(s); and c. Reporting blast event vibration results in a timely manner.	
30	Prior to the commencement of blasting within Gladstone Open Pit, the Western Borrow Area, the Central Borrow Area and the Eastern Borrow Area, the Consent Holder must conduct a risk assessment, the objective of which is to set out procedures that minimise the risks associated with flyrock having considered all relevant and material factors including but not limited to: a. Proximity of blasting to any pit crest, neighbouring property and areas with public access; b. Blast design parameters such as stemming length, loading horizon, explosive quantity, explosive density, blast hole inclination, blast orientation and degree of ground fracturing; c. Identification and treatment of any uncharged holes or voids; d. Degree of ground saturation; and e. Potential risk control measures. The assessment must be undertaken by a person suitably qualified or experienced in risk assessment. The risk control measures, and the methods and procedures for implementing them, must be set out in any amended version of the Vibration Management Plan referred to in Condition C4.	
31	Until blasting has been completed, the Consent Holder must continue to implement the Amenity Effect Programme ("AEP") in respect of vibration as set out in Conditions 32 – 38 below, provided that owners and / or tenants who have entered into a separate arrangement with the Consent Holder and / or have otherwise agreed not to receive the AEP will not be eligible to receive AEP payments under this condition.	
32	The Consent Holder must use the recorded data from the vibration compliance monitoring network to predict the vibration received from	

<table>
<tr><th></th><th>Condition</th><th>Comment</th></tr>
<tr><td></td><td>blasting at occupied residences, and must make payments to the occupiers of those residences in accordance with the table and criteria below:
<table>
<tr><td>Vibration Magnitude (mm/s)</td><td>Payment Per Blast Event ($)</td></tr>
<tr><td>1.5 – 3.5</td><td>23.89</td></tr>
<tr><td>≥ 3.5</td><td>71.52</td></tr>
<tr><td>≥ 5</td><td>238.86</td></tr>
<tr><td>≥ 6</td><td>475.02</td></tr>
</table></td><td></td></tr>
<tr><td>33</td><td>The rates in Condition 32 will be adjusted for the start of each calendar year by the 2024 Consumer Price Index (“CPI”) published by Statistics New Zealand and made publicly available on the Consent Holder’s website.</td><td></td></tr>
<tr><td>34</td><td>Any occupied residence (including properties lawfully used for residential purposes in the Town Centre Zone or Low Density Residential Zone) shall be eligible to receive AEP payments if in any month it receives two or more blast events generating vibration of 1.5 mm/s or greater.</td><td></td></tr>
<tr><td>35</td><td>The AEP does not apply to any unoccupied houses or undeveloped residential property.</td><td></td></tr>
<tr><td>36</td><td>Occupiers of eligible residences must receive a minimum payment of $250 per six-monthly period.</td><td></td></tr>
<tr><td>37</td><td>Payments to occupiers of eligible residences must be calculated six-monthly, and payment made within two months of those calculations being made or as soon as practicable thereafter.</td><td></td></tr>
<tr><td>38</td><td>Should AEP payments become taxable, the Consent Holder shall not be liable for any taxes associated with the payments. Nor shall the Consent Holder be liable for any future changes to national superannuation or other benefits as a result of an eligible occupier receiving the AEP payments in accordance with this consent.</td><td></td></tr>
<tr><td></td><td>Blasting and Vibration Monitoring</td><td></td></tr>
<tr><td>39</td><td>a. The Consent Holder must monitor impulsive vibration from all blast events at Gladstone Open Pit, the Western Borrow Area, the Central Borrow Area and the Eastern Borrow Area, and all blast events associated with the development of the Wharekirauponga</td><td>These monitoring requirements are as per the existing Project Martha land use consent.</td></tr>
</table>

	Condition	Comment
	Underground Mine, Wharekirauponga Access Tunnel and the Willows Access Tunnel; b. The equipment used for monitoring, equipment calibration and vibration measurement procedures must comply with the current Australian Standard AS2187.2 (or equivalent international standards) and equipment manufacturers' recommendations; c. The fixed monitoring system must be automated to allow for the prompt analysis of each blast event; d. The monitoring must be conducted by suitably trained personnel, including the installation of roving monitors; e. Unless otherwise required or confirmed in writing by the Hauraki District Council, the vibration monitoring for Gladstone Open Pit blasting must include fixed monitoring at the sites shown in the figure annexed as **Attachment 1** to this consent throughout the period of its development and mining operations; f. Unless otherwise required or confirmed in writing by the Hauraki District Council, the vibration monitoring for the Western Borrow Area, Central Borrow Area and Eastern Borrow Area blasting must include fixed monitoring at the sites shown in the figure annexed as **Attachment 1** to this consent throughout the period of its development and mining operations; g. Unless otherwise required or confirmed in writing by the Hauraki District Council the vibration monitoring for the Wharekirauponga Access Tunnel blasting must include fixed or roving monitoring units at the sites shown in the figure annexed as **Attachment 1** to this consent throughout the period of its development; h. Unless otherwise required or confirmed in writing by the Hauraki District Council the vibration monitoring for the Willows Access Tunnel blasting must include a roving monitor sited at or near a representative residence throughout the period of its development; i. Unless otherwise required or confirmed in writing by the Hauraki District Council the vibration monitoring for the Wharekirauponga Underground Mine must include: i. Monitoring vibration using geophones placed at three locations within the upper levels of the underground mine; ii. Use of a predictive algorithm to predict the vibration levels at the surface using the monitoring data collected in accordance with (i); and iii. Periodic monitoring at least one of the indicative surface assessment locations shown in **Attachment 1** to this consent	The monitoring locations specified in clause (e) and (f) are those identified in Figure 8 and 9 of the Heilig vibration assessment as appropriate. In accordance with the recommendations of the Heilig vibration assessment clause (f) and (g) allow use of roving monitors for compliance given the short duration of the effects that would be experienced as the blasting proceeds through the tunnel length.

	Condition	Comment
	sufficient to ensure the accuracy of the predictive algorithm and reliability of the predicted vibration levels j. Unless otherwise required or confirmed in writing by the Hauraki District Council, the overpressure monitoring for Gladstone Open Pit blasting must include fixed monitoring at the sites shown in **Attachment 1** to this consent; k. Unless otherwise required or confirmed in writing by the Hauraki District Council, the overpressure monitoring for the Western Borrow Area, Central Borrow Area and Eastern Borrow Area blasting must include fixed monitoring at the sites shown in **Attachment 1** to this consent; l. Unless otherwise required or confirmed in writing by the Hauraki District Council, the overpressure monitoring for the establishment of access portals and underground tunnels within Areas 2, 3 and 5 must include a temporary monitor sited at or near a representative residence for the first 50m of tunnel development from all new access portals; m. The fixed monitoring locations must not be on, or inside, a building or structure; n. Pursuant to (e), (f) or (g), data received from a roving monitor may identify a new or additional permanent monitoring location; o. A roving monitor must be deployed to record vibrations in locations where complaints regarding vibration have been made in accordance with a procedure specified in the Vibration Management Plan referred to in Condition C4; and p. A complete record of each blast event must be maintained which includes: i. Types of measurement instrument used; ii. Time and duration of blast event; iii. Locations of blasts; iv. Locations of monitoring positions; v. Distances from the blasts to the monitoring position and nearest residence (except for blasting within Area 1); vi. Measured vibration levels; vii. Total amount of explosive used; viii. Delay sequence of the blast event; ix. Maximum instantaneous charge; x. Volume of rock blasted;	

	Condition	Comment
	xi. Complaints (including the nature of effects, for example rattling window, was the complainant awoken) and whether the vibration mitigation action process has been undertaken; and xii. Design criteria not covered in items (i) to (xi) above.	
	Vibration Management Plan	
40	The Consent Holder must implement the Vibration Management Plan referred to in Condition C4 of Schedule One, subject to any amendments that may be made under Condition C8 of Schedule One.	
41	Any amendment to the Vibration Management Plan made under Condition C8 must ensure that the following objectives are met: a. Compliance with Conditions 25 – 27 of this consent; and b. The impacts of blasting vibrations on the community, as well as ecological habitat values within Area 1, are minimised to the extent practicable in accordance with Condition 29. *Advice note: The Vibration Management Plan may be separate for each area cover multiple areas combined.* *The Vibration Management Plan may be combined with any similar management plans required under other resource consents held by the consent holder which authorise mining in the Waihi area.*	
42	Any version of the Vibration Management Plan amended under Condition C8 must include as a minimum: a. The measures to be adopted to ensure that that the objectives listed in Condition 41 are met, including, where relevant: i. A description of the blast design criteria and blast design review procedures required to achieve the ground vibration level limits specified in Conditions 25 – 27; ii. The numbers, times and duration of blast events, and in general terms the coordination of blasts and steps to minimise the duration of blast events; iii. Procedures to be adopted where vibration levels approach the maximum limits and mitigation actions to be implemented in the event of an exceedance of the ground vibration level limits stated in Conditions 25 – 27; iv. The methods and procedures to be adopted for managing and monitoring of overpressure, including detailed analysis of measured overpressure traces, to achieve and demonstrate	The requirements of the Vibration Management Plan align with those in the Project Martha LUC. Notable exceptions are: - It allows the use of roving monitors for determining compliance for the access tunnels in accordance with the recommendations of the Heilig report; and - It requires the monitoring vibration threshold level for individual sites be specified in this

	Condition	Comment
	compliance with the overpressure limits specified in Conditions 25 – 27, and to ensure that no perceptible overpressure is experienced at any location where the overpressure limits in those conditions apply between the hours of 2000 and 0700; v. The methods and procedures identified by the risk assessment required by Condition 30 which are to be adopted to manage flyrock; vi. The methods and procedures to be adopted in deploying the roving monitor(s), data usage from the roving monitors, procedures for converting a roving monitor location to a fixed monitoring location and identifying circumstances where vibration monitoring within structures must be considered; vii. The methods and procedures for managing vibration related complaints and responses to those complaints; and viii. The methods and procedures for identifying and addressing anomalous vibration results recorded at any monitored site, including sites monitored with roving monitors; b. The fixed monitoring locations to be established in accordance with Condition 39 (e), (f), and (g); c. The locations of the roving monitor to be established in accordance with Condition 39 (g), (h) and (i); d. The methods and procedures for differentiating between blast sources for vibration monitoring purposes immediately prior to the firing of the blast event for the various sites to allow for unambiguous classification of the source of the vibration event. e. Measures to be adopted to demonstrate compliance with Condition 25, including: i. The underground monitoring locations to be established in accordance with Condition 39 (i)(i); ii. The software and algorithm to be used to calculate surface vibration using the vibration recorded at those underground monitoring locations; iii. The location of the representative surface assessment locations where surface vibration will be calculated to assess compliance with Condition 27; and iv. The methodology for undertaking periodic surface monitoring in accordance with Condition 39 (i)(ii) to calibrate the software and algorithm used for calculating surface vibration;	document in accordance with the Heilig report. The default value specified in (d) is that the Heilig report identifies as being appropriate in most situations.

	Condition	Comment
	f. The monitoring vibration threshold level for individual sites. This must be set at 0.75 mm/s unless elevated background vibration at a site means an alternative threshold is appropriate; g. Detail on the conditions which could cause post blast fumes at Gladstone Open Pit, the Western Borrow Area, Central Borrow Area, or Eastern Borrow Area, and measures to monitor, and if necessary, manage, post blast fume generation in Gladstone Open Pit or any of the borrow areas; h. Further detail on the AEP as required under Condition 31; i. The properties to be surveyed in accordance with Condition 48; and j. Records to be kept, including blast design data.	
	Management and Reporting	
43	At the start of each calendar month throughout the period of developing the Wharekirauponga Access Tunnel, the Consent Holder must prepare a two-dimensional plan showing the existing Access Tunnel and the proposed areas where blasting will occur and where the face of the Access Tunnel will progress during that month. The plan must be loaded onto the Consent Holder's website and must also be available for collection in hard copy form from the Waihi Information Centre and Hauraki District Council's Waihi Service Centre. No blasting operations in relation to development of the Wharekirauponga Access Tunnel may take place outside work areas defined on the plan.	
44	No blasting operations may be carried out without first having obtained the written approval of the Consent Holder's Senior Site Executive.	
45	In the event that blast monitoring shows that the vibration standards in Conditions 25 - 27 have been exceeded, the Consent Holder must: a. Implement mitigation actions to ensure compliance in accordance with the Vibration Management Plan; and b. Submit a report to the Hauraki District Council within one month of the exceedance event which includes: i. The records for the blast event collected in accordance with Condition 39 (l); and ii. The mitigation actions taken to ensure future compliance.	

	Condition	Comment
46	The Consent Holder must provide a summary report to the Hauraki District Council at three-monthly intervals. The report must include the following: a. Confirmation of blasting actions (including all blasts for maintenance / safety purposes) taken during the previous reporting period; b. All vibration related complaints received during the current reporting period and mitigation actions taken by the Consent Holder; c. Results of vibration monitoring separately for: i. Gladstone Open Pit; ii. The Wharekirauponga Access Tunnel; iii. The Willows Road Access Tunnel; iv. The Wharekirauponga Underground Mine; v. The Western Borrow Area; vi. The Central Borrow Area; and vii. The Eastern Borrow Area. d. All roving monitor data results recorded during the quarter.	
47	Monitoring records, reports and complaint schedules must be stored securely and maintained in a systematic manner for 12 months. Records must be provided to the Hauraki District Council on request.	
Damage to Permanent Dwellings and Associated Structures		
48	Before undertaking any blasting under this consent, and provided the property owner consents, the Consent Holder must engage an independent structural engineer suitably qualified and experienced in domestic building design and construction (the Engineer) to undertake a structural condition survey for at least five representative properties (non-company owned) located in the vicinity of vibration monitors, and at 'control' properties removed from the influence of any potential vibration effects from mining . The Engineer must: a. Undertake a visual inspection make video recordings of all existing built surfaces and defects including concrete accessways; and b. Identify, in written reports with accompanying photographs, any noted defects which were apparent at the time of the survey.	This is the same protocol as applies to OGNZLs existing blasting activities in Waihi.
49	a. Upon receipt of a complaint of damage to a permanent dwelling or associated structures suspected by the property owner to be	This is the same protocol as applies to

	Condition	Comment
	caused from activities authorised by this consent, an appropriately qualified representative of the Consent Holder must investigate and respond to the complaint as soon as is practicable, but no later than five working days later. b. If the property owner does not agree with advice from the Consent Holder's representative, or if the cause of the damage is unclear, the Consent Holder must engage an appropriately qualified independent third party to investigate and report to both the property owner and Consent Holder within 30 working days unless considered urgent by the independent third party in which case the report must be made available as soon as practicable. If the property owner does not agree with the advice or the Consent Holder does not engage a third party then if the Hauraki District Council determines after investigation that a third-party investigation is warranted, the Consent Holder must commission and meet the reasonable costs of that investigation. c. If the advice of the independent third party or the Consent Holder's representative determines that the cause of the damage is attributable to the activities authorised by this consent, then the Consent Holder must remedy the damage at its cost as soon as practicable in accordance with any recommendation by the Consent Holder's representative or by the third party and to the reasonable satisfaction of the property owner. d. If any dispute arises in respect of this condition the matter must be referred to arbitration in accordance with the provisions of the Arbitration Act 1996. An arbitrator shall be appointed by the President of the Institute of Professional Engineers in New Zealand. The arbitrator will be instructed to use their best endeavours to provide their determination within 30 working days of their appointment, unless the Consent Holder and the property owner agree that time shall be extended. In all other respects, the provisions of the Arbitration Act 1996 shall apply. If the property owner chooses not to participate in the arbitration, the Consent Holder will have no further obligations under this condition.	OGNZLs existing blasting activities in Waihi.
	Fencing	
50	The Consent Holder must provide and maintain a secure safety fence around activities within Area 2, Area 5, Area 6 and Area 7, and the ventilation evasé within Area 1.	
51	On the completion of mining activities authorised by this consent, the Consent Holder must provide a secure fence around any areas previously subjected to mining activities to the extent necessary to ensure public safety. These areas must be specified in the final	

	Condition	Comment
	Rehabilitation and Closure Plan required by Condition C68 of Schedule One.	
	Lighting	
52	Any night lighting established in Areas 2, 4, 5, 6 and 7 must be designed and installed in order that the level of lighting measured at the boundary of any site not owned by the Consent Holder or related company, or not subject to an agreement with the Consent Holder or related company, is no greater than 8.0 lux. This condition does not apply to any street light installed for safety purposes insofar as it causes light spill on a public road.	
53	Where luminaires are visible from external locations or are high output floodlights: a. They must be installed such that their light producing faces are horizontal to the ground; or b. Luminaires must be aimed away from external locations, i.e. into the site, or c. They must be of luminous intensity not exceeding the limits set out in AS/NZS 4282 "Obtrusive effects of outdoor lighting" for the applicable environmental zone.	
54	Lighting associated with locations within Area 1 must be designed and installed in accordance with the National Light Pollution Guidelines for Wildlife published by the Australian Government's Department of Climate Change, Energy, the Environment and Water, version 2.0, May 2023.	
	Landscape Mitigation	
55	In addition to the requirements of the Ecology and Landscape Management Plan, and rehabilitation and closure requirements specified in Conditions C62 – C67 of Schedule One, the Consent Holder must comply with the following: a. In Area 1: i. Buildings and fixed structures in the CFP must be finished in natural, recessive colours and textures which relate to their natural setting. ii. At the completion of the ventilation evasé construction activities at each location in Area 1, the Consent Holder must remove all materials including rubbish, equipment and structures associated with the ventilation evasé construction	

	Condition	Comment
	activities (except the ventilation evasé, supporting foundations, perimeter fencing and signage), unless the Hauraki District Council has given prior written approval for the item(s) to remain. *Advice note: for the avoidance of doubt, this requirement does not include construction equipment* b. In Area 2: i. Existing shelterbelts, trees and hedges at the Willows Surface Facility Area outside disturbed areas must be retained where it is practicable to do so; ii. The bunds must be vegetated or hydroseeded as soon as practicable after construction; iii. Cuts and batters for access roads must be naturalised with rounded edges to integrate within the adjoining landform and all exposed soil must be scarified and seeded with pasture and/or native vegetation to assimilate within the surrounding land cover; iv. The earth mounding at the explosive magazine must be seeded and vegetated as soon as practicable after construction to reduce visibility of buildings; and v. Buildings and structures must be finished in neutral, recessive colours which relate to their rural setting. c. In Area 5: i. Removal of the landform to construct the Gladstone Open Pit must be undertaken from east to west to the greatest extent practicable; and ii. New and replacement structures within the Waihi Surface Facilities Area must be finished in the same colour palette as the existing structures in that Area. d. In Area 6: i. Temporary topsoil stockpiles must be seeded in pasture grass as soon as possible following their establishment and maintained in pasture until required for rehabilitation. e. In Area 7: i. Temporary topsoil stockpiles must be seeded in pasture grass as soon as possible following their establishment and maintained in pasture until required for rehabilitation;	

	Condition	Comment
	ii. Vegetation proposed to be removed in SNA T13UP166, and along existing watercourses must be replaced in accordance with the Ecology and Landscape Management Plan; iii. Rehabilitation of the Tailings Storage Facility 3 embankment surface must be progressive as areas of a practical working size become available and must include the provision of a suitable rooting medium, contouring and drainage as required, to ensure the establishment and maintenance of a surface which will protect water quality and avoid soil erosion; iv. Rehabilitation of the Tailings Storage Facility 3 tailings deposition area with native wetland plants; and v. Unless otherwise agreed in writing by the Hauraki District Council, the Consent Holder must revegetate the lift undertaken in the previous season (i.e. the lift undertaken in the previous season is to be revegetated while the current season's lift is being undertaken).	
	Buildings in Area 2, Area 5 and Area 6	
56	The location, height and form of any new building established within Area 2, Area 5 and Area 6 must be consistent with those shown in **Attachment 2** of this consent (Drawings showing the location, layout and form of new buildings in Area 2, Area 5 and Area 6).	
57	To demonstrate compliance with Condition 56 the Consent Holder must: a. Supply construction drawings for all new buildings within Area 2, Area 5 and Area 6 to the Hauraki District Council prior to commencement of construction activities in each of those areas; and b. On completion of construction activities in each of Areas 2, Area 5, and Area 6, supply written confirmation stating that the buildings within that Area have been constructed in accordance with the design referred to in (a).	
	Hazardous Substances Management	
58	All hazardous substances must be stored in bunded containment in accordance with the relevant requirements of the Health and Safety at Work (Hazardous Substance) 2017 regulations (HSW-HS) or the Environmental Protection Authority's Hazardous Substances (Hazardous Property Controls) Notice 2017 ('EPA Notice'), as applicable.	

<table>
<tr><th></th><th>Condition</th><th>Comment</th></tr>
<tr><td>59</td><td>The volumes of the hazardous substances in each Area must not exceed the following maximum values.

a(i). Area 1: Underground:

<table>
<tr><th>Substance</th><th>Maximum Volume</th><th>Storage Location</th></tr>
<tr><td>ANFO (UN 0082)</td><td rowspan="3">6,100 kg</td><td rowspan="3">Underground explosives magazines

(max 1,000 kg in any chamber)</td></tr>
<tr><td>Booster (UN 0042)</td></tr>
<tr><td>Packaged explosive (UN 0241)</td></tr>
<tr><td>Detonators (UN 0030 / UN 0456 / UN 0360)</td><td>100 kg (100,000 articles)</td><td>Underground chamber (separate to others)</td></tr>
<tr><td>Diesel</td><td>6,000 L</td><td>Underground</td></tr>
<tr><td>Ammonium nitrate emulsion (ANE)</td><td>34,000 kg</td><td>Oxidiser storage area – underground</td></tr>
<tr><td>Gasser</td><td>4,000 L</td><td>Gasser storage area - underground</td></tr>
<tr><td>Oils, greases</td><td>8,000 L</td><td>Workshop stores – underground</td></tr>
</table>

a(ii). Area 1: Surface drill sites:

<table>
<tr><th>Substance</th><th>Maximum volume</th><th>Storage Location</th></tr>
<tr><td>LPG</td><td>9 kg</td><td>Segregated from all flammable liquids or solids and oxidising substances</td></tr>
<tr><td>Diesel</td><td>1,500 L</td><td>Bunded storage at drill site</td></tr>
<tr><td>Petrol</td><td>40 L</td><td>Bunded storage at drill site</td></tr>
<tr><td>Maintenance oils</td><td>80 L</td><td>Bunded storage at drill site</td></tr>
<tr><td>Grease</td><td>6 kg</td><td>Bunded storage at drill site</td></tr>
<tr><td>Soda ash (sodium carbonate)</td><td>15 kg</td><td>No specific requirements</td></tr>
<tr><td>Trigene disinfectant</td><td>10 L</td><td>No specific requirements</td></tr>
</table>
</td><td></td></tr>
</table>

	Condition	Comment

b. Area 2:

Substance	Maximum Volume	Storage Location
ANFO (UN 0082)	7,350 kg	Explosive magazines compound (max 1,300 kg in any magazine)
Booster (UN 0042)		
Packaged explosive (UN 0241)		
Detonators (UN 0030 / UN 0456 / UN 0360)	10 kg (10,000 articles)	Explosive magazine (separate to others)
Diesel	80,000 L	Services bay
	6,000 L	Underground
	550 L	Generator tank
	150 L	Fire pump
Ammonium nitrate emulsion (ANE)	40,800 kg	Oxidiser storage area
Gasser	8,000 L	Oxidiser storage area
Lime	70,000 kg	Lime silo
Oxygen gas	60 m^3	Workshop located in the Surface Facilities Area
Acetylene gas	20 m^3	Workshop located in the Surface Facilities Area
Oils, greases	8,000 L	Workshop stores
Waste oils	6,000 L	Workshop stores

c. Area 5:

Substance	Maximum Volume	Storage Location
High calcium hydrated lime	306,000 L	Three tanks (102,000 L each) at the north of the WTP
High calcium quicklime	70,000 kg	Silo west of the Processing Plant
Caustic soda (Sodium hydroxide)	24,000 L	Tanks on the western side of the electrowinning area.
Hydrochloric Acid (>25%)	24,000 L	Tanks on the western side of the electrowinning area.

	Condition			Comment
	Ammonium nitrate emulsion (ANE)	20,400 kg	Oxidiser storage area (north of the Water Treatment Plant)	
	Oxygen gas	30,000 L	Cryogenic pressure vessel, east of the Processing Plant.	
	Carbon Dioxide	40,000 kg/L	Two cryogenic pressure vessels in the WTP	
	Diesel	200,000 L	Various units: Self-bunded isotainers (20,000 L) or portable tanks (<6,000 L)	
	Workshop Maintenance oils and greases*	8,000 L	Various units (tank, IBC or 205 L drum) located at the workshop	
	Waste oils	6,000 L	Various units (tank, IBC or 205 L drum) located at the workshop	
	Transformer oil	8,640 L	Bunded transformer units: two 3,500 L transformers and one 1,740 L transformer.	
	Cyanide (Liquid 30%)	112,000 L	Tank within the Processing Plant. Located on the eastern side of the reagent storage.	
	Cyanide (solid)	77,180 kg	Boxed storage within the Processing Plant. Located on the eastern side of the reagent storage.	
	Ferric chloride	30,000 L	Two tanks (20,000 L and 10,000 L) in the WTP	
	Hydrogen peroxide	35,000 L	Two tanks (17,500 L each) in the WTP	
	Mercury	10 kg	Recovered at the condenser in the Gold Room (Electrowinning Building) through the retort processes	
	d. Area 6:			
	Substance	Maximum Volume	Storage Location	
	ANFO (UN 0082)	6,400 kg NEQ	Surface magazines – Split between 5 magazines	
	Booster (UN 0042)			
	Packaged explosive (UN 0241)			

<table>
<tr><th></th><th>Condition</th><th>Comment</th></tr>
<tr><td></td><td>
<table>
<tr><td>Detonators
(UN 0030 /
UN 0456 /
UN 0360)</td><td>12,000 units
(12 kg NEQ)</td><td>In one magazine</td></tr>
<tr><td>LPG</td><td>80,000 L</td><td>Two pressure vessels (40,000 L each), east of the Processing Plant (across the Ohinemuri River), adjacent to Baxter Road.</td></tr>
<tr><td>Diesel</td><td>40,000 L</td><td>Various units: Self-bunded isotainers (20,000 L) or portable tanks (<6,000 L)</td></tr>
<tr><td>Oils and greases</td><td>8,000 L</td><td>Various units (tank, IBC or 205 L drum) located at the workshop</td></tr>
<tr><td>Waste oils</td><td>6,000 L</td><td>Various units (tank, IBC or 205 L drum) located at the workshop</td></tr>
</table>
</td><td></td></tr>
<tr><td></td><td>Hazardous Substances Management Plans</td><td></td></tr>
<tr><td>60</td><td>The Consent Holder must submit for certification under Condition C5 of Schedule One a Hazardous Substances Management Plan covering the storage and use of hazardous substances in Areas 1, 2 and 5.

Certification is required to verify that the Hazardous Substances Management Plan:

a. Includes actions, methods and monitoring programmes as appropriate to meet the objective in Condition 61; and

b. Satisfies the requirements in Condition 62.

<u>Advice Note</u>: A Hazardous Substances Management Plan may be submitted for Ares 1,2 and 5 combined, or for each area separately.</td><td></td></tr>
<tr><td>61</td><td>The objective of the Hazardous Substances Management Plan is to identify details of hazardous substances to be stored and used, containment methods, management of spills/leaks and any emergency precautions.</td><td></td></tr>
<tr><td>62</td><td>The Hazardous Substances Management Plan must include, as a minimum:

a. Details of the nature and quantities and locations of hazardous substances to be stored;

b. Means of containment;

c. Spill response plan(s);

d. Emergency response procedures.</td><td></td></tr>
</table>

	Condition	Comment
	Property Programme	
63	At least three months prior to the Wharekirauponga Access Tunnel first passing immediately beneath any land not owned by, or under the control of the Consent Holder, the Consent Holder must offer to provide a one-off ex gratia payment to that land owner equal to 5% of that land's market value. The location of any mining operation, and in particular whether any obligation under this condition has been triggered, must be determined by reference to the plan of existing and proposed operations required under Condition 43. This condition does not apply to land administered by the Department of Conservation or road reserves administered by Waka Kotahi or Hauraki District Council.	
64	For the purpose of this consent, "market value" is the value determined by a registered valuer at the time of making the valuation, ignoring the announcement of, and the existence / operation of the Waihi North Project, but including sales data from outside Waihi if appropriate, and any other relevant information.	
65	The determination of market value required by Condition 64 must be undertaken by two independent registered valuers paid for by the Consent Holder. The registered proprietor must be given the option of selecting one of the valuations.	
66	A recipient of an ex gratia payment made under Condition 63 shall be eligible for the AEP pursuant to Conditions 31 - 38.	
67	The processes described in Condition 63 must be managed by an independent third party engaged and funded by the Consent Holder.	
68	Conditions 63 - 67 do not apply if the Consent Holder and the landowner have entered into a separate agreement that constitutes an agreement for the purposes of these conditions.	
69	Within three months of the commencement of this consent, and annually thereafter until all offers required under Condition 63 have been made, the Consent Holder must provide a report to Council on the offers made, unless the property owner concerned requests privacy, in which case the offer, but not the ownership or property details, must be reported.	

	Condition	Comment
	Transport	
	Willows Road Upgrades	
70	The Consent Holder must upgrade Willows Road and the intersection of State Highway 25 and Willows Road at its cost in accordance with Conditions 71 and728: a. Prior to vehicle movements associated with the exercise of this consent reaching greater than 40 vehicle movements per day; or b. No later than six months after any construction activity listed in Condition 6 begins in Area 2; whichever occurs first. The Consent Holder must: c. Submit final designs for the upgrades to the Hauraki District Council for certification that they meet the requirements of Conditions 71 and 72 prior to commencing the upgrade works, including the results of the independent design safety audit required by Condition 71; and d. Provide documentary evidence that the upgrades certified under (c) have been completed. The Consent Holder must maintain a log of vehicles at the Area 2 access gate for the first six months of construction or until the upgrades required by this condition are complete, whichever occurs first. The vehicle log must be provided to the Hauraki District Council on request.	
71	Unless Waka Kotahi provides written confirmation that one or both of these upgrades is not required, the upgrade of the intersection of Stage Highway 25 and Willows Road must include: a. A right turn bay into Willows Road from SH25 which meets the minimum requirements of the Waka Kotahi Manual of Traffic Signs and Markings Figure 3.25 and meets Waka Kotahi requirements for forward visibility; and b. Widening the left turn shoulder into Willows Road from SH25 to 3.0 m to provide a left turn lane which meets the requirements of Guide to Road Design Part 4a, Figure 8.4 for 100 km/h design speed using maximum deceleration rate. The design of the proposed upgrade of the intersection between State Highway 25 and Willows Road must be subject to an independent design safety audit and post construction safety audit. Those audits are to be carried out by safety auditors experienced in highway intersection	

	Condition	Comment
	design, appointed in consultation with Waka Kotahi. Any changes recommended as a result of the safety audits, including design changes and post construction changes, must be implemented by the Consent Holder provided they are agreed to by the Hauraki District Council and Waka Kotahi.	
72	The upgrade of Willows Road must include: a. Marking a road centreline over the full length of road; b. Curve seal widening where needed to ensure the design vehicle is able to negotiate all curves within its lane; c. Upgrading the single lane bridge approaches in accordance with the Manual of Traffic Signs and Markings (MOTSAM) for single lane bridge approaches and controls; d. Constructing a 6.0m wide sealed road extension between the end of the existing two way section of the road and the proposed site access in accordance with the Hauraki District Council Engineering Manual; e. Installing a roadside barrier system on both sides of the road at the culvert located 0.4 km from the Willows Road / State Highway 25 intersection (labelled no. 40) or, alternative safety measures installed to the satisfaction of the Hauraki District Council's Transportation Manager; and f. Constructing a turning head at the northern end of the existing two-lane road or at the proposed access location to allow the public to turn around.	
	Willows Road Maintenance	
73	At least two months prior to the commencement of construction activities in Area 2, and prior to commencing the upgrade of Willows Road required by Condition 70, the Consent Holder must engage a suitably qualified and experienced road maintenance engineer to prepare a programme to assess and record the condition of the existing road pavement and bridge on Willows Road. This programme must be submitted to the Hauraki District Council for certification before the assessment is conducted. The inspection and recording of the road pavement condition, and bridge condition, must be undertaken in consultation with the Hauraki District Council's Transportation Manager. The pavement condition rating (including vehicle counts) is to be used as the baseline for assessing the works required to return the road pavement to at least its standard / condition prior to the	

	Condition	Comment
	commencement of the construction of the Willows Surface Facility Area.	
74	For the period from construction of the Willows Surface Facilities Area to final closure and restoration, the Consent Holder must, in conjunction with a Council representative, undertake a road pavement inspection of Willows Road annually or at such other intervals as may be agreed in writing by the Hauraki District Council.	
75	The Consent Holder must reimburse the Hauraki District Council for the cost of any road pavement maintenance (potholes / surface rutting etc) caused by the activities authorised by this consent. The maintenance cost will be calculated on a pro-rata basis against the baseline heavy vehicle traffic volumes and taking into account any financial assistance received by Council for maintenance.	
76	At the completion of the rehabilitation and closure of Area 2, and where not otherwise reimbursed in accordance with Condition 75, the Consent Holder must return the road pavement condition of Willows Road to that identified in the road pavement condition survey carried out in accordance with Condition 73 of this consent at the Consent Holder's expense and to the satisfaction of the Hauraki District Council.	
	Willows Road Transport	
77	The Consent Holder must provide shift workers with the option to bus to and from Waihi Township and Area 2 in order to minimise light vehicle movements on Willows Road.	
	Baxter Road	
78	At least two months prior to the commencement of construction activities in Areas 5, 6 or 7, the Consent Holder must engage a suitably qualified and experienced road maintenance engineer to prepare a programme to record the condition of the existing road pavement and bridge on Baxter Road. This programme must be submitted to the Hauraki District Council for certification before the assessment is conducted. The inspection and recording of the road pavement condition, and bridge condition, must be undertaken in consultation with the Hauraki District Council's Transportation Manager. The pavement condition rating (including vehicle counts) is to be used as the baseline for assessing the works required during the period in which mining operations authorised by this consent are occurring, to return the road pavement to at least its standard / condition prior to the commencement of the construction works in Areas 5, 6 or 7.	

	Condition	Comment
79	The Consent Holder must, in conjunction with a Council representative, undertake an annual road pavement inspection of Baxter Road during the term of the consent.	
80	The Consent Holder must reimburse the Hauraki District Council for the cost of any road pavement maintenance (potholes / surface rutting etc) on Baxter Road caused by the activities authorised by this consent. The maintenance cost will be calculated on a pro-rata basis against the baseline heavy vehicle traffic volumes and taking into account any financial assistance received by Council for maintenance.	
81	At the completion of construction works at Areas 5, 6 and 7, and where not otherwise reimbursed in accordance with Condition 80, the Consent Holder must return the road pavement condition of Baxter Road to that identified in the road pavement condition survey carried out in accordance with Condition 78 of this consent at the Consent Holder's expense and to the satisfaction of the Hauraki District Council.	
	Parking	
82	The Consent Holder must provide sufficient off street parking to accommodate all expected staff, contractor and visitor vehicles entering the Mine Site, in order that those persons will not need to park in public areas.	
	Construction Traffic Management Plan	
83	Other than for Areas 1 and 3, for each Mine Site Area described in Condition C1(b) of Schedule One the Consent Holder must submit a Construction Traffic Management Plan for certification under Condition C5 of Schedule One. Certification is required to verify that the Construction Traffic Management Plan: a. Includes actions, methods and monitoring programmes as appropriate to meet the objectives in Condition 84; and b. Satisfies the requirements in Condition 85. *Advice note: Construction Traffic Management Plans may be submitted for each Area separately or multiple Areas combined.*	

	Condition	Comment
84	The objectives of the Construction Traffic Management Plan are to set out how the Consent Holder will manage traffic to and from the Mine Site to: a. Protect public safety; and b. Minimise delays to road users.	
85	The Construction Traffic Management Plan must include, as a minimum: a. Details of how legislative requirements and consent conditions in relation to construction traffic will be satisfied; b. The proposed construction programme, traffic volumes and routes; c. Driver protocols; d. Measures to manage over-weight and over-dimension loads; e. Measures to manage effects on adjacent properties and farm operations, including stock crossings; f. School bus routes and timetables; g. Communication arrangements; h. Monitoring requirements (including in relation to road pavements); i. Management measures for work within the public road corridor; j. Measures to manage arrivals and departures over the construction period, including: i. Monitoring of traffic distribution and performance at the intersection of Baxter Road and State Highway 2 during periods of high traffic volume; and ii. An adaptive management approach which triggers modification of management measures where monitoring shows the acceptable levels of service at the intersection are not being achieved; k. Management of aggregate cartage routes, including any necessary measures relating to the use of Crean Road by heavy vehicles travelling to and from the Mine Site via Baxter Road; l. Identification and provision of adequate on-site parking for project duration to ensure compliance with Condition 82; m. For Area 2, measures to manage the bussing of shift workers in accordance with Condition 77; n. Management of deliveries to site; and o. For Areas 5, 6 or 7, management of any use of Moore Street to gain access in the event of a flooding event should this be required.	

	Condition	Comment
	Kenny Street Carparking	
86	The Consent Holder must submit a Kenny Street Carpark Subsidence Hazard Zone Management Plan prior to enlarging the Kenny Street carpark for certification under Condition C5 of Schedule One. Certification is required to verify that the Kenny Street Carpark Subsidence Hazard Zone Management Plan includes monitoring, trigger levels, warning systems, Standard Operating Procedures, assembly areas, and emergency action plans to ensure the safety of people.	
87	The Consent Holder must maintain a secure fence around the carparking area that prevents public access.	
	Heritage Features	
88	The Consent Holder must maintain a representative photographic record of any pre-1900 workings encountered as part of the mining activities authorised by this consent and must use its best endeavours to retrieve items from the historic workings that might be useful for displays and interpretation, subject to the safety of staff and the mining activities being undertaken.	
	Site Management Plan (Contaminated Land)	
89	The Consent Holder must submit a Site Management Plan - Contaminated Land for certification under Condition C5 of Schedule One. Certification is required to verify that the Site Management Plan – Contaminate Land: a. Includes actions, methods, monitoring programmes and trigger levels as appropriate to meet the objective in Condition 90; and b. Satisfies the requirements in Condition 91.	
90	The objective of the Site Management Plan - Contaminated Land is to specify suitable management measures to avoid, remedy or mitigate and, in any event, minimise to the greatest extent practicable, the risks from soil disturbance to the following: a. the health of workers; b. the on-site environment; and c. the off-site environment (including the health of neighbouring site users).	

	Condition	Comment
91	The Site Management Plan - Contaminated Land must be prepared by a suitably qualified and experienced professional in accordance with Contaminated Land Management Guideline No.1: Reporting on Contaminated Sites in New Zealand, Ministry for the Environment (revised 2021). The Site Management Plan – Contaminated Land must include, as a minimum: a. A summary of the known site history, identified HAIL areas and expected contamination conditions as well as the investigation methodology for sampling to be undertaken prior to works commencing in the identified HAIL areas; b. The contaminated land-related soil management requirements; and c. The contaminated land-related procedures to guide contractors in materials management, reuse, disposal, health and safety and response to unexpected contamination encounters.	
	Social Impact Assessment Conditions	
	Waihi Skills Development and Training Action Plan	
92	The Consent Holder must establish a Waihi Skills Development and Training Action Plan.	
93	The Waihi Skills Development and Training Action Plan referred to in Condition 92 must be submitted for certification under Condition C5 of Schedule 1 no later than 18 months after the commencement of this consent. Certification is required to verify that the Waihi Skills Development and Training Action Plan: a. Includes actions, methods and monitoring programmes as appropriate to meet the objectives in Condition 94; and b. Satisfies the requirements in Condition 95.	
94	The objectives of the Waihi Skills Development and Training Action Plan are to: a. enhance local skills; and b. increase local workforce participation.	
95	The Waihi Skills Development and Training Action Plan must include, but need not be limited to:	

	Condition	Comment
	a. Preparation of a skills matrix that identifies workforce requirements and skills needed by the Consent Holder and its suppliers in relation to mining activities in and around Waihi; b. Identification of work areas where the skills identified pursuant to (a) are in short supply; c. Collaboration required with secondary and tertiary education providers, relevant transitional industry training organisations, iwi/ hapū entities, and with relevant government agencies to facilitate targeted training for secondary students and currently unemployed persons to develop skill sets that will enable them to enhance the local workforce servicing the Waihi mining activities (directly and indirectly through suppliers); d. Identification of work experience opportunities for trainees and tertiary students who meet the Consent Holder's employment and health and safety requirements; e. A detailed programme of activity which identifies how and when opportunities for local skills development and training for the first 3 years following the commencement of activities authorised by this consent are likely to be offered and implemented; f. Measurable and time bound performance targets and associated monitoring, including specific indicators of tangata whenua participation, for determining Plan effectiveness; and g. The reporting and review process for the Plan.	
96	The Waihi Skills Development and Training Action Plan may be reviewed and updated at any time by the Consent Holder.	
97	Any version of the Waihi Skills Development and Training Action Plan revised under Condition 95 must be submitted for certification in accordance with Condition C.8.	
98	The Consent Holder must incorporate the objectives and performance indicators associated with the Waihi Skills Development and Training Action Plan into the Social Impact Management Plan required by Condition 103 and in report performance against them in the monitoring report required by Condition 107.	
	Workforce Accommodation Assessment	
99	The Consent Holder must submit a Workforce Accommodation Assessment for certification under Condition C5 of Schedule One at least six months prior to commencement of each of the following: a. Construction activities;	

	Condition	Comment
	b. Mine development and production; and c. Mine remediation and closure activities. Certification is required to verify that each Workforce Accommodation Assessment: i. Includes actions, methods and monitoring programmes as appropriate to meet the objective in Condition 100; and ii. Satisfies the requirements in Condition 101.	
100	The objectives of the Workforce Accommodation Assessment are to: a. analyse local accommodation supply in relation to workforce demand; and, b. reduce as far as practicable the extent to which the activities authorised by this consent contribute to any local accommodation shortages.	
101	The Workforce Accommodation Assessment must include, as a minimum: a. An analysis of the availability of housing and accommodation in the local area and within the 60-minute commute area; b. An analysis of workforce requirements for the activities authorised by this consent and any projected population changes attributable to those activities, including an estimate of workers and their households who may live in, or move into, the local area and within the 60-minute commute area; c. An assessment of the accommodation capacity in the local area and within the 60-minute commute area to accommodate the workforce, including the long and short term housing market and seasonal impacts; and d. Based on the outcomes of (c), measures to be implemented over the life of the project to: i. manage the impact of the project workforce on local accommodation; and ii. ensure there is sufficient accommodation to support the workforce requirements; e. The monitoring, reporting and review process for the Plan over the life of the project. For the purpose of this condition, the local area and 60-minute commute area mean the areas annexed to these conditions in **Attachment 3**.	

	Condition	Comment
102	The Consent Holder must incorporate the measures and monitoring requirements from Condition 101 (d) and (e) into the Social Impact Management Plan required by Condition 103.	
	Social Impact Management Plan	
103	Prior to the first exercise of this consent, the Consent Holder must update the Social Impact Management Plan certified under the conditions of Land Use Consent LUC 202.2018.00000857.001 so that it also covers the Waihi North Project.	The Consent Holder is required to maintain and implement a Social Impact Management Plan under the conditions of its existing resource consents from Hauraki District Council for mining activities. These conditions are intended to complement those conditions.
104	The Social Impact Management Plan prepared under Condition 103 must be certified under Condition C5 of Schedule One. Certification is required to verify that the Social Impact Management Plan: a. Includes actions, methods and monitoring programmes as appropriate to meet the objective in Condition 105; and b. Satisfies the requirements in Condition 106.	
105	The objective of the Social Impact Management Plan is to provide a framework to identify, assess, monitor, and manage the social effects (positive and negative) of the mining projects undertaken by the Consent Holder in the area on the community.	
106	The Social Impact Management Plan must: a. Be prepared by a suitably qualified social impact specialist; b. Be based on best practice guidelines and procedures for social impact assessment; and c. Include a set of indicators covering the drivers and outcomes of potential social effects attributable to mining activities authorised as part of this consent in combination with the other mining projects undertaken by the Consent Holder in Waihi, including as appropriate:	

	Condition	Comment
	i. Numbers employed in the mine operations, including direct employees and contractors ("workers"), and the level of Māori participation in employment; ii. Location of mine workers residing locally, regionally and beyond; iii. Workers' housing (rental vs owner occupied, new builds and existing houses); iv. Location and number of OGNZL owned houses in Waihi and breakdown between employee / contractor renters and public renters of said properties; v. Changes in housing market using publicly available data – house and rent prices and relationship to mine operations, including variations or trends in property sales and enquiries; vi. Local housing and accommodation capacity and the ability to address workforce accommodation requirements; vii. The effectiveness of the Waihi Skills Development and Training Action Plan in increasing local workforce participation; viii. The relationship of mine operations to any impacts on local services (i.e. education, health community groups, sports groups); ix. The relationship of mine operations to any impacts on emergency services (i.e. fire, civil defence, ambulance); x. Changes in participation of voluntary and recreational groups; xi. Changes in local business activity arising from mining activity; xii. Take up of the Consent Holder's property purchases and top up policy; xiii. Distribution and use of the Amenity Effect Programme; and xiv. Any complaints and associated information received by the Consent Holder and the response to those complaints.	
	Reporting	
107	The Consent Holder must engage a social impact assessment specialist to prepare a report that details the monitoring of indicators set out in the Social Impact Management Plan, analysis of those results, and management of effects. The report will also include any recommendation on changes to the agreed indicators. The report must be prepared annually for the first five years and every two years thereafter, and be provided to the Hauraki District Council and made publicly available.	

	Condition	Comment
108	The Social Impact Management Plan may be reviewed in accordance with Condition C8 of Schedule One at any time, but must be reviewed at least every five years, or as necessary to address any matter raised in the report required by Condition 107. The Consent Holder must consult with the Hauraki District Council and with key stakeholders identified in the Social Impact Management Plan in undertaking any review.	
	Socio-Economic Impact Assessment of Closure	
109	The Consent Holder must provide the Hauraki District Council a Socio-Economic Impact Assessment of Closure (Closure SEIA) at least 5 years prior to the planned closure date for the Waihi North Project should, at that date, the Waihi North Project represent the end of the Consent Holder's authorised and planned mining activities in Waihi. The purpose of the Closure SEIA is to identify, assess and manage the social effects (positive and negative) of the closure of the Consent Holder's mining projects in Waihi. The Closure SEIA must be prepared by a suitably qualified and experienced person and be based on best practice guidelines and procedures for social impact assessment.	
	Ecology and Landscape – Area 1 Specific *Note: Ecological management in Area 1 is covered by the WUG Ecology and Landscape Management Plan referred to in Conditions C2 and C34-C35.*	
	Native Fauna Release Area	
110	Prior to undertaking vegetation clearance in Area 1, the Consent Holder must establish a Native Fauna Release Area within the Wharekirauponga Pest Management Area in accordance with the requirements of the ELMP-WUG.	
111	The purpose of the Native Fauna Release Area required under Condition 110 is to provide suitable habitat for the release of native lizards, frogs and invertebrate species that are required to be relocated from Area 1 under the conditions of this consent.	
	Area 1: Drill Sites, Pumping Test Sites, Ventilation Shaft Sites and Portable Drill Rig Locations	Refer to ELMP-WUG for management plan provisions

	Condition	Comment
112	The numbers of new drill sites, pumping test sites, and ventilation shaft sites and portable drill rig locations in Area 1 authorised by this consent shall not exceed: a. A combined total of 20 exploration and investigative drill sites comprising: i. Eight exploration drill sites; ii. Four geotechnical investigative drill sites within the existing Access Arrangement area; iii. Four geotechnical investigative drill sites above the WUG Dual Tunnel; and iv. Four hydrogeological investigative drill sites b. Up to four ventilation shaft / pumping test sites; and c. 50 portable drill rig locations.	The ventilation shaft sites may also be used for pump testing
113	At least 40 working days prior to the establishment of any drill site, pumping test site or ventilation shaft site in Area 1, the Consent Holder must prepare a list of suitable sites based on its technical requirements for the drilling.	"Drill site" does not include a portable drill rig location (see definitions)
114	At least 20 working days prior to clearing vegetation or undertaking drilling or construction activities at any of the sites listed pursuant to Condition 112, the Consent Holder must: a. Select the site location(s) from the short list by first applying the requirements of the *Waihi North Project Site Selection Protocol (March 2025)*, annexed as **Attachment 4** to this consent; and b. Prepare a Siting Report which provides: i. The results of the site assessment undertaken in accordance with the *Waihi North Project Site Selection Protocol (December 2024);* ii. The locations of the selected sites; and iii. The expected duration of construction and operations at each site; and c. Submit the Siting Report to Hauraki District Council, Waikato Regional Council, and the Department of Conservation for certification that the *Waihi North Project Site Selection Protocol December 2024* has been appropriately applied. Vegetation clearance, construction or operations at any drill site, pumping test site, and ventilation shaft site in Area 1 must not	

	Condition	Comment
	commence until the corresponding Site Siting Report is certified pursuant to (c).	
	Portable Drill Rig Locations	
115	At least 10 working days prior to drilling at any Portable rig location in Area 1, the consent holder must provide Hauraki District Council, Waikato Regional Council, and the Department of Conservation with notice of the GPS information and/or NZTM co-ordinates of the location.	
	Vegetation Clearance and Site Disturbance Associated with Drill Sites, Pumping Test Sites, and Ventilation Shaft Sites and Portable Drill Rig Locations	
116	Vegetation clearance at each drill site, pumping test site, and ventilation shaft site and portable drill rig location in Area 1must: a. not exceed: i. 32 m^2 per portable drill rig location; ii. 150 m^2 per drill site; iii. 900 m^2 per ventilation shaft / pumping test site; b. limit ground disturbance and vegetation clearance only to that necessary to accommodate the required equipment; and c. Be undertaken in accordance with the ELMP-WUG.	Portable rig investigations do not require tree clearance, but will require disturbance of groundcovers, wood debris and forest duff which provide habitat for native species over an area of 32 m^2 each (Boffa Miskell)
117	There must be no felling of trees at portable rig locations.	
118	Vegetation clearance in Area 1 may only be carried out between March and May (inclusive) in any year.	Seasonal activity is an important consideration for fauna management and habitat clearance. For any sites within CFP where native fauna may be present, vegetation clearance must be carried out from March – May. This timing coincides with: • Lizard activity periods (i.e., excludes winter when lizards are inactive);

	Condition	Comment
		• The period when Archey's frogs are not brooding, but are still active; • Forest birds are no longer nesting; and • Bats are active and, if present, emergence can be monitored.
119	Prior to undertaking vegetation removal at any proposed drill site, pumping test site, or ventilation shaft site in Area 1, the Consent Holder must ensure that that an ecological survey is undertaken by one or more suitably qualified ecologist(s) (including a suitably qualified herpetologist). The survey(s) must be undertaken over the area of the proposed site, plus a 10 m wide buffer surrounding the site. The purpose of the ecological survey(s) is to provide a description of the wildlife and vegetation, including all species of flora and fauna, present and the number, size (height and diameter at breast height) and estimated age of mature canopy and emergent trees.	
120	Surveys undertaken under Condition 119 must be undertaken during climatic conditions that maximise the chance of native frog emergence (warm - at least 12 degrees C, after rain - i.e. ground and when understory vegetation is wet or moist, and little or no wind) and lizards (at least 12 degrees C and fine weather) and include: a. frog surveys on at least 2 separate nights and b. lizard surveys on at least 3 separate nights;	
121	Surveys undertaken under Condition 119 must include the use of automatic bat detectors, which must be in place for a minimum of 2 weeks when weather is forecast to be fine, with relatively warm nights (e.g. when dusk temperature is ≥ 7°C) between October and March (when bats are most active).	
122	If one or more northern striped gecko (*Toropuku inexpectatus*) are found in a survey undertaken under Condition 119, or during vegetation clearance, then all work on the site must cease immediately and an alternative site selected.	
123	All topsoil, felled trees, slash and other leafy materials removed at any drill site, pumping test site, ventilation shaft site, or portable rig location must be kept on or adjacent to the site and stockpiled in such a manner	

	Condition	Comment
	that they can be replaced on/ restored at the site on completion of operations.	
124	Vegetation removal must be undertaken in a manner that minimises the impacts on the surrounding vegetation and uses best practice tree felling techniques, including avoidance of felling of trees into waterways.	
	Management of "At Risk" and/or 'Threatened Flora Associated with Vegetation Clearance in Area 1.	
125	Any *Pterostylis puberula, Pterostylis tasmanica* or king fern *Ptisana salicina* individuals found when establishing any drill site, pumping test site, and/or ventilation shaft site in Area 1 must be translocated to a suitable alternative site containing similar light, soil and vegetation community characteristics as determined by a suitably qualified and experienced ecologist. The Hauraki District Council and Department of Conservation must be notified of GPS information and/or NZTM coordinates of the transfer location within 20 working days of the transfer having occurred. Disturbance of *Pterostylis puberula, Pterostylis tasmanica* or king fern *Ptisana salicina must be avoided* when establishing any portable rig location in Area 1 or Area 3.	If any of these species are present on a prospective portable drill rig location, an alternative location must be found.
126	The transfer of any *Pterostylis puberula* and/or *Pterostylis tasmanica* must include a minimum 30cm diameter 'clump' of soil around the roots (to protect root structure and to retain any mycorrhizal associations).	
	Management of 'At Risk' and/or 'Threatened' Herpetofauna associated with vegetation clearance in Area 1.	
127	A suitably qualified and experienced ecologist must be present onsite during any vegetation clearance to survey habitat refugia and undertake any capture for native lizards and frogs in accordance with the protocols set out in the ELMP-WUG.	
128	Any 'At Risk' or 'Threatened' frogs, or 'At Risk' or 'Threatened' lizards found during vegetation clearance must be salvaged in accordance with procedures set out in the ELMP-WUG and moved to the Native Fauna Release Site specified in Condition 110.	
129	The Consent Holder must adhere to the national Frog Hygiene Protocol annexed as **Attachment 5** to this consent, or any future updates thereof.	

	Condition	Comment
130	The Consent Holder must provide the Hauraki District Council and Department of Conservation with the details, including weight, length, original location, of any 'At Risk' or 'Threatened' frogs or lizards found and relocated within 20 working days of the relocation.	
131	The Consent Holder must mark out access routes for access to, and between drill sites, pumping test sites, and ventilation shaft sites, in Area 1 and thereafter only use the marked routes to access these sites.	This is to minimise trampling and disturbance of herpetofauna and their habitat by using the same marked access routes for access to, and between sites.
132	The Consent Holder must erect a frog / lizard exclusion fence around the perimeter of any drill site, pumping test site, or ventilation shaft site in Area 1 within 5 days following the final survey or native species translocation (whichever is the latter). Exclusion fences must be inspected periodically and maintained so as to ensure their integrity.	
	Area 1 – Leiopelmatid Frog Specific Conditions	
	Advice Note: Condition 27 specifies a consent limit for allowable vibration within Area 1. That condition limits the vibration from the authorised activity to the levels which were assumed when assessing the potential effects of the activity on leiopelmatid frogs.	
	Wharekirauponga Pest Management Area	
133	The Consent Holder must undertake pest management over an area of at least 632 hectares in the Wharekirauponga Pest Management Area ("WPMA") shown in the figure annexed as **Attachment 6** to this consent.	
134	The objective of the pest management required by Condition 133 is to enhance the habitat of leiopelmatid frogs.	
	Review of the Wharekirauponga Pest Management Plan	
135	The Consent Holder must implement the Wharekirauponga Pest Animal Management Plan (WPAMP) referred to in Condition C4 of Schedule One, subject to any amendments that may be made under Condition C8 of Schedule One.	

	Condition	Comment
136	In addition to the requirements of Condition C8 of Schedule One, any review of the WPAMP must ensure that the Department of Conservation has had the opportunity to participate in a collaborative workshop with the Consent Holder to discuss and have input into any revised draft of the WPAMP in accordance with Conditions 137 – 139.	Conditions 136-139 provide a formal mechanism which ensures DOC has input into any WPAMP amendments.
137	If the Department of Conservation agrees to participate in a workshop: a. The Consent Holder must provide a copy of the Draft WPAMP to the Department of Conservation at least 10 days before the workshop; b. The Consent Holder must circulate a record of the workshop discussions to the Department of Conservation within 5 working days of the completion of the workshop; and c. The Department of Conservation must be given an opportunity to provide written feedback to the Consent Holder on the Draft WPAMP within 15 working days of the completion of the workshop.	
138	If the Department of Conservation declines the opportunity to participate in a collaborative workshop, the Consent Holder must provide a copy of the Draft WPAMP to the Department, and be given 15 working days to provide written feedback to the Consent Holder on its content.	
139	The Consent Holder must ensure that all written feedback received from the Department of Conservation on the Draft WPAMP is provided to the Hauraki District Council when the WPAMP is submitted for certification, along with an explanation of where any comment made by DOC has not been incorporated into the WPAMP and the reasons why.	
140	The Consent Holder must commence on the ground pest management within the WAPMA in accordance with the WPAMP at least 18 months prior to the Consent Holder beginning stoping at the Wharekirauponga Underground Mine.	
141	The Consent Holder must continue pest control within the WAPMA in accordance with the WPAMP until the later of: a. Two years after the completion of stoping activities within the Wharekirauponga Underground Mine; or b. Monitoring undertaken in accordance with the PAMP shows leiopelmatid frog numbers within the WAPMA are no lower than would be expected in this area had the mining activity not occurred considering frog numbers in nearby habitat which was unaffected by blasting vibration.	

	Condition	Comment
	Reporting	
142	By 30 June each year the Consent Holder must engage a suitably qualified and experienced ecologist to prepare an annual Leiopelmatid Frog Monitoring Report. The Leiopelmatid Frog Monitoring Report must include comparison of leiopelmatid frog populations in 3 zones: 1. Within the >2 mm/ second vibration zone (314 ha footprint) where frogs are also subject to intensive pest animal control; 2. In an adjoining area (the 318 ha offset area) where frogs are not subject to mine-related vibration, but are subject to intensive pest animal control; and 3. In an area to the west of the WUG intensive pest animal control area, where frogs are not subject to vibration or additional pest animal control as a result of this project. A copy of the Annual Leiopelmatid Frog Monitoring Report must be provided to Hauraki District Council, the Department of Conservation and the Iwi Advisory Group. The Annual Leiopelmatid Frog Monitoring Report may be combined with the Waihi North Ecological and Landscape Monitoring Report required under Condition 175.	
143	By 30 June each year the Consent Holder must prepare an Annual Pest Management Report, which summarises pest management activities undertaken within the WAPMA in accordance with the PAMP for the previous year. The Annual Pest Management Report must include, but need not be limited to: a. A summary of all pest control (plant and animal) activities undertaken within the WAPMA in the preceding 12 months, detailing dates, and methods of each control activity; b. Maps of control devices/area, labelled by type; c. Summaries of trap catch statistics by species (both target and any non-target catch), including by trap type, trap location, lure type as well as chew card index of rats, possums, and camera capture hours for mustelids and feral cats, with comparison to management targets and thresholds for additional control; d. Summaries of results of toxic control operations, including target species, bait type and bait take;	

	Condition	Comment
	e. Any trends in the data, such as high-catch/high bait-take locations, the main species caught and comparisons to previous years; f. Incursions and incursion responses within the pest exclusion fence; and g. Any challenges/issues encountered in undertaking control or monitoring, and how these difficulties were overcome or if they remain ongoing. A copy of the Annual Pest Management Report must be provided to Hauraki District Council, the Department of Conservation and the Iwi Advisory Group. The Annual Pest Management Report may be combined with the Waihi North Ecological and Landscape Monitoring Report required under Condition 175.	
	Archey's Frog Research Fund	
144	Within 3 months of the commencement of this consent, the Consent Holder must establish a fund and associated "fund bank account" to provide financial support for researchers to undertake investigations into the efficacy of different predator control strategies and techniques to improve populations of Archey's frogs, and for the further development of methods to assess the efficacy for frogs of predator control generally.	Archey's Frog is specifically identified as the target for research in the Boffa Miskell Terrestrial Ecology Report
145	The Consent Holder must provide written confirmation to the Hauraki District Council within 10 working days of the fund being established.	
146	The Consent Holder must place in the fund bank account: a. $25,000 when it is first established under Condition 144; b. $25,000 annually thereafter for so long as stoping activities are continuing at the WUG. Within 10 working days of each payment being made, the Consent Holder must provide written confirmation to Hauraki District Council that the payment has occurred.	
147	The monies in the fund must be utilised for the purposes set out in accordance with Condition 144, and following consultation with Hauraki District Council, the Department of Conservation and the Iwi Advisory Group	

	Condition	Comment
148	The Consent Holder must provide a report to the Hauraki District Council, annually on the anniversary of the establishment of the fund required in accordance with Conditions 144 that sets out: a. The activities which have been funded in the previous year and how those activities are intended to contribute to the matters set out in Condition 144; b. Any funding committed for the coming year; and c. The balance of the fund.	
	Management of Avifauna Associated with Vegetation Clearance in Area 1.	
149	Any reference to birds in these conditions means birds protected under the Wildlife Act 1953.	
150	If vegetation clearance in Area 1 is undertaken in March, trees within the clearance area must be surveyed by a suitably qualified and experienced ecologist for active bird nests within 24 hours of planned felling. If active bird nests are detected, trees should not be felled until the nest is vacated or it has failed.	
	Management of Bats Associated with Vegetation Clearance in Area 1.	
151	All vegetation clearance in Area 1 must be undertaken in accordance with the methodology specified in: *Protocols for minimising the risk of felling bat roosts (Bat Roost Protocols) Version 4: October 2024 approved by the New Zealand Department of Conservation's Bat Recovery Group*, or alternative method agreed to in writing by the Hauraki District Council.	
	Management of Terrestrial Invertebrates Associated with Vegetation Clearance in Area 1	
152	Any Paua slug (*Schizoglossa novoseelandica*) and/or 'At Risk' or 'Threatened' invertebrates listed in the Department of Conservation's Threat Classification Lists (http://www.doc.govt.nz/nztcs) found during any vegetation clearance in Area 1, must be salvaged in accordance with procedures set out in the ELMP and released into the Native Fauna Release Site specified in Condition 110.	
	Reporting	

	Condition	Comment
153	Within 20 days of the completion of vegetation clearance at any drill site, pumping test site or ventilation shaft site in Area 1, the Consent Holder must provide a report prepared by a suitably qualified and experienced ecologist to the Hauraki District Council and Department of Conservation which documents how the requirements to the extent they are relevant of Conditions 125,128,150,151 and 152 have been addressed. *Advice note: For the avoidance of doubt this condition does not apply to portable rig locations*	
	Area 1 - Kauri Dieback Management	
154	All activities in Area 1 must be undertaken in accordance with the kauri dieback management provisions set out in the ELMP-WUG.	
	Area 1 - Weed and Pest Control	
155	The Consent Holder must ensure that all equipment to be used for drilling and construction activities authorised by this consent are clean and free of any exotic weed and seed material prior to entry to Area 1.	
156	The Consent Holder must control any exotic weeds present within any sites in Area 1 which have been cleared as part of the WNP for a period of two years following the completion of WNP activities at that site.	
	Area 1 - Fuel and lubricants	
157	All fuel in Area 1 must be stored in safe, secure containers / tanks that have secondary containment. This condition does not apply to the use of portable jerry cans which are necessary for refuelling in emergency situations.	
158	A spill kit must be held at each working area at all times and used immediately should a fuel or lubricant spill occur.	
159	Any fuel or lubricant spill above ground which is greater than 20 litres must be reported to the Hauraki District Council and Department of Conservation at the earliest opportunity, including the amount spilled, remedial action undertaken, and any further actions required to fully remediate the site.	

	Condition	Comment
	Area 1 - Fire and risk management	
160	A fire extinguisher must be available on site at all times at any fixed camp site and during drilling and/or construction activities at any site in Area 1.	
	Area 1 - Waste disposal and toilets	
161	Self-contained toilets/ "portaloos" must be provided in Area 1 for staff at all times to ensure the containment of human waste.	
162	All waste and effluent must be removed from Area 1 and disposed of at an appropriate facility.	
	Waihi Area Ecology and Landscape – Areas 2, 5, 6, and 7, and Planting Outside Areas 1-7	
	Advice note: The Waihi Area Ecology and Landscape Management Plan is included in Part H of the application documents.	
	Lizard Habitat Enhancement Area	
163	Prior to undertaking vegetation clearance in any of Areas 5, 6 or 7, the Consent Holder must establish the Lizard Habitat Enhancement Area in accordance with the requirements of the ELMP-WA.	
164	The purpose of the Lizard Habitat Enhancement Area required under Condition 163 is to provide habitat suitable for the release of native lizards that are required to be relocated from Areas 5, 6 or 7.	
	Planting Areas	
165	Subject to Condition 166, the Consent Holder must undertake the planting identified in **Figures A** and **B** in **Attachment 7** and the Table in **Attachment 8.**	
166	Should there be a delay in the completion of planting in the timeframe set out in the ELMP due to: a. The unavailability of suitable seedlings; or b. Natural conditions resulting in poor seed production, or poor seed condition, or otherwise adversely affecting seedling propagation for indigenous plant species; The Consent Holder must provide the Hauraki District Council with an amended timeframe within which pioneer and enrichment planting must	

	Condition	Comment
	occur. This timeframe must not exceed four planting seasons. The Consent Holder must complete the planting as soon as reasonably possible within the agreed timeframe and must inform the Hauraki District Council when planting is complete.	
167	All planting required under Condition 165 must: a. Use plants which are eco-sourced from the Coromandel or Bay of Plenty Ecological Regions; and b. Use seed collected locally and germinated and raised at a New Zealand Plant Producers Incorporated (NZPPI)-accredited nursery or from a suitable alternative community-based nursery.	
168	All planting required under Condition 165 must be subject to annual maintenance, including releasing of plants from weeds and replacement of dead plants. Any species that consistently fails must be replaced with an alternative similar species listed as suitable for that purpose in the ELMP. Maintenance must commence following pioneer planting and continue for the later of: a. 5 years following the completion of enrichment planting in the Planting Area; or b. Until 90% of the original density and species, with an 80% canopy closure, has been achieved. This condition does not apply to Buffer Planting of the Coromandel Forest Edge shown in Figure A annexed as **Attachment 6** to these conditions.	
	Terrestrial Biodiversity Offset Areas Specific Requirements	
169	The Waihi Biodiversity Offset Area, Waihi Biodiversity Offset Enhancement Area, and Ventilation Shaft Offset Area must be managed to achieve the biodiversity attribute values (e.g. canopy height, canopy cover and species richness) specified for those areas in accordance with the ELMP. This must include implementing any additional management actions deemed necessary in any 5 yearly Offset Monitoring report submitted in accordance with Condition 171.	
170	The Consent Holder must commission a suitably qualified and experienced ecologist to undertake ecological monitoring of the Waihi Biodiversity Offset Area, Waihi Biodiversity Offset Enhancement Area, and Ventilation Shaft Offset Area to determine the success of the	

	Condition	Comment
	modelled ecological outcomes and the Biodiversity Attributes specified for each Planting Area in the ELMP. The monitoring must commence five years after the canopy species have been planted in a Planting Area and at 5-yearly intervals for at least 20 years. After 20 years, if all attributes in a Planting Area are met, monitoring of that Planting Area may cease. If attributes are yet to be met in a given Planting Area, then monitoring in that Planting Area must continue. The monitoring must include: a. Vegetation monitoring within 20m x 20m plots, including: i. Four plots within enhancement planting (pine dominant SNA 166) and three plots within revegetation planting (one in each of the main planting areas). Final locations must be determined during the first monitoring period once access is confirmed with GPS coordinates and/or permanent markers used to establish boundaries. ii. Identification of all plant species to determine groundcover, understory and canopy species; iii. Recording percentage canopy cover; and iv Recording canopy height; and b. Bird monitoring at the same locations as the vegetation plots comprising 5 – minute bird counts at each location, replicated four times.	
	Reporting	
171	The Consent Holder must submit a report to the Hauraki District Council following each 5 yearly monitoring programme required by Condition 170 which includes, as a minimum: a. The results of all aspects monitored including how they are tracking against the biodiversity attributes; b. Records of any weeds encountered during monitoring; c. Records of any dead/dying plants encountered; d. Recommendations on any additional planting, enhancement or management actions that should be undertaken to ensure the Biodiversity Attributes for each Planting Area in the provisions included in the ELMP.	

	Condition	Comment
	Access and Protection	
172	Except as provided for in Condition 173, within 5 years of the commencement of this consent, the Consent Holder must enter into appropriate covenants and/or encumbrances (or similar legal mechanism) to ensure that, regardless of any future ownership/tenure changes, the areas of land required for revegetation planting specified under Condition 165 are protected in perpetuity. This condition does not apply to road reserves or land under DOC or other public administration.	
173	In the event that, despite best endeavours: 1 The Consent Holder is unable to secure for any given area(s) the legal agreements and/or other authorisations specified in Condition 172: or 2 A planting area identified in Condition 165 proves to be non-viable for any other reason(s): a. The Consent Holder must identify alternative area(s) for planting which have been assessed by a suitably qualified and experienced ecologist (the Ecologist) to be of equal or greater ecological value to the area(s) for which access could not be secured; and b. The Consent Holder must provide a written report to the Hauraki District Council which sets out details of the replacement area(s), including; i. the ownership and legal title of the land; ii. the existing ecological condition; iii. the proposed enhancement works; and iv. a statement from the Ecologist demonstrating that the ecological value of planting in the replacement area(s) is of equal or greater ecological value to planting in the area(s) for which access could not be secured; and Condition 165 applies to the new area(s) as if they were those they are intended to replace.	
174	The Consent Holder must not sell any of the land required for revegetation planting specified under Condition 165 until any covenant and/or encumbrance (or similar legal mechanism) required under Condition 172 is registered against each relevant title.	
	Reporting	

	Condition	Comment
175	By 30 June each year the Consent Holder must engage a suitably qualified and experienced ecologist to prepare a Waihi North Ecological and Landscape Monitoring Report which covers activities addressed in the ELMP for the previous year's monitoring season. The Waihi North Ecological and Landscape Monitoring Report must include: a. A description of the works and other actions completed by the Consent Holder in the previous twelve months; b. Where aspects of the ELMP have not been implemented in accordance with expected timeframes, the reasons why, and the reasonably practicable measures that have been taken by the Consent Holder to address the failure to meet those milestones; c. An assessment of the effectiveness of the ELMP in achieving its objectives and performance indicators. Where the report identifies that the performance indicators have not been achieved or maintained the Report must include: i. The reasons why the performance indicators have not yet been achieved; ii. Advice as to specific measures that have already been implemented, or are intended to be implemented to address the failure to achieve performance indicators; and d. Whether there should be amendments made to the ELMP or any sub management plan which would better assist the Consent Holder and in meeting the objectives of the ELMP. A copy of the Waihi North Ecological and Landscape Monitoring Report must be provided to Hauraki District Council, the Department of Conservation and the Iwi Advisory Group.	
	Public Access, Awareness and Safety in the Coromandel Forest Park	
176	Prior to the commencement of activities authorised by this consent at each drill site, pumping test site or ventilation shaft site in Area 1, clear signage and/or markers must be erected around the site to prevent members of the public accidentally accessing the site while construction activities are occurring.	
177	The Consent Holder must place signs approved by the Hauraki District Council and Department of Conservation at the entrance to the Wharekirauponga Track and at the Kauaeranga Visitor Centre at least two days prior to the commencement of activities authorised by this	

	Condition	Comment
	consent, to alert visitors to the Wharekirauponga Track of the hazards associated with the ventilation evasé construction activities.	
	Area 1 - Aircraft	
178	The Consent Holder must ensure that helicopter landing / hovering zones in Area 1 are maintained to ensure public safety and post notices at the sites advising the public of the hazards associated with the helicopter hovers and / or landings.	
	Administrative Charges	
179	The Consent Holder must pay to the Hauraki District Council all actual and reasonable charges arising from the monitoring of the conditions of this consent and any other administrative charges fixed in accordance with Section 36 of the Act, or any charge prescribed in accordance with regulations made under Section 360 of the Act.	
	Review of Conditions	
180	Pursuant to Sections 128(1)(a)(i) and (iii) of the Resource Management Act 1991, the Hauraki District Council may, within one month of the second anniversary of the date of commencement of this consent and every 24 months thereafter, or on receipt of any of the reports required by this consent, review the conditions of this consent for the following purposes: a. To review the effectiveness of the conditions of this consent in avoiding, remedying or mitigating any adverse effects on the environment that may arise from the exercise of this consent, and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions. In deciding to undertake a review and where further or amended conditions are deemed necessary, the Hauraki District Council must have regard to all of the information contained in the reports required under the conditions of this consent – including data obtained from fixed and roving vibration monitors; or b. To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of commencement of the consent; or c. To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; or d. For the purposes of amending the vibration limits in Condition 27, and/or the Wharekirauponga Pest Animal Management Plan to	

	Condition	Comment
	ensure the activity is having a neutral or net positive effect on Archey's Frog. Any review under this condition must, in addition to the matters set out in the Resource Management Act 1991, also recognise and provide for the purpose of the Fast-Track Approvals Act 2024.	
181	Pursuant to Section 128(1)(a)(i) and (iii) of the Resource Management Act 1991, the Hauraki District Council may review Common Conditions C85 to C88 in Schedule One of this consent following any change made to the Trust Deed referred to in Condition C85 of Schedule One. Any review under this condition must, in addition to the matters set out in the Resource Management Act 1991, also recognise and provide for the purpose of the Fast-Track Approvals Act 2024. *Advice Notes:* *Such a review should only be commenced after consultation between the Consent Holder and the Hauraki District Council, and the Consent Holder must pay the actual and reasonable costs of the review.* *Notwithstanding Condition 181, where the Hauraki District Council elects to review Conditions C85 to C88 of Schedule One of this consent, such a review should be undertaken after consultation with the Waikato Regional Council.*	

Attachment 1 – Vibration Monitoring Sites

Vibration Monitoring Sites

Vibration Monitoring Sites for the Wharekirauponga Access Tunnel

Vibration Monitoring Sites for the Gladstone Open Pit

Vibration Monitoring Sites for the Borrow Pits

Attachment 2 – Visual Concepts of Area 2 and Area 5 Buildings

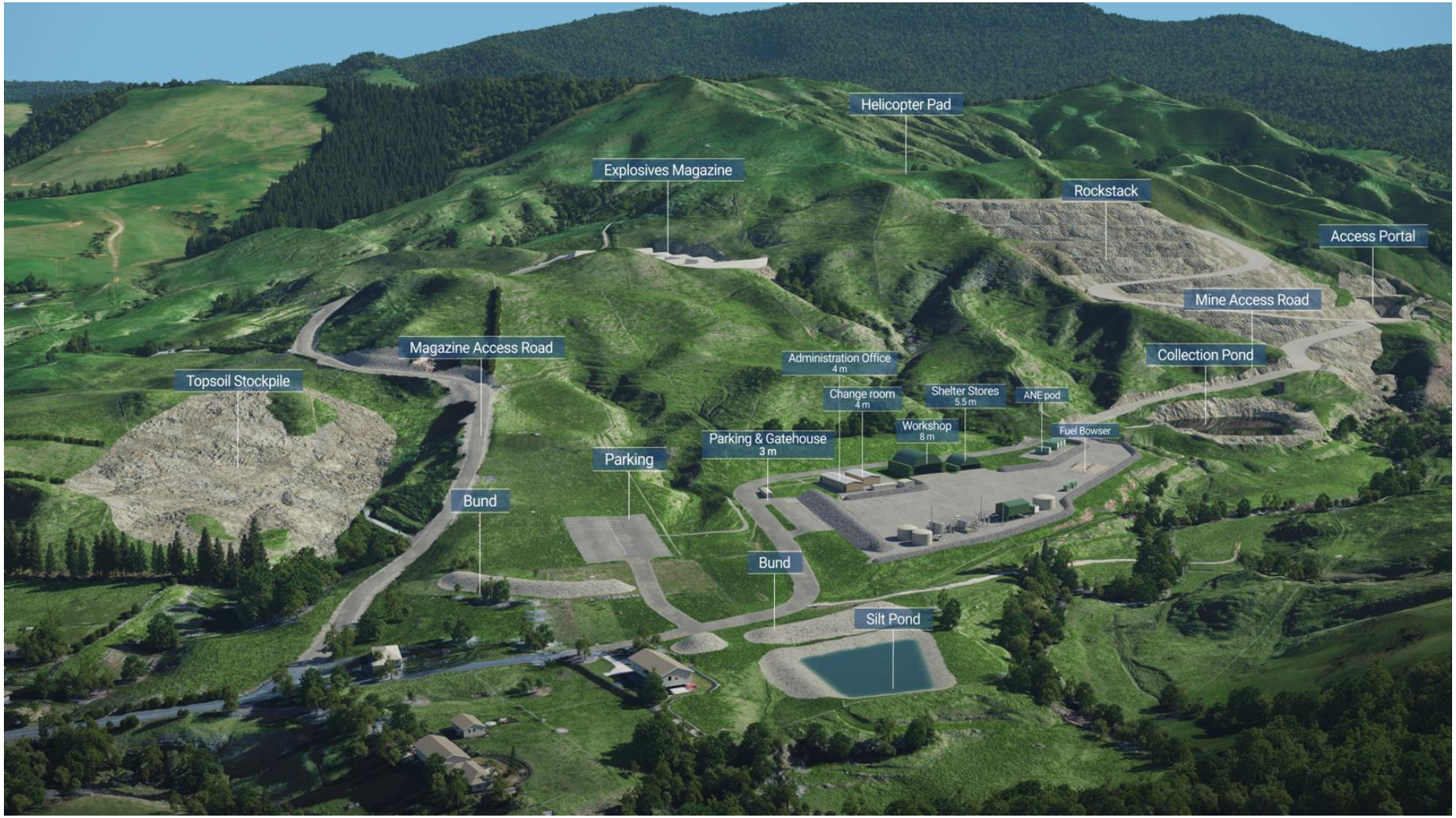


Figure 1 – Area 2 View 1

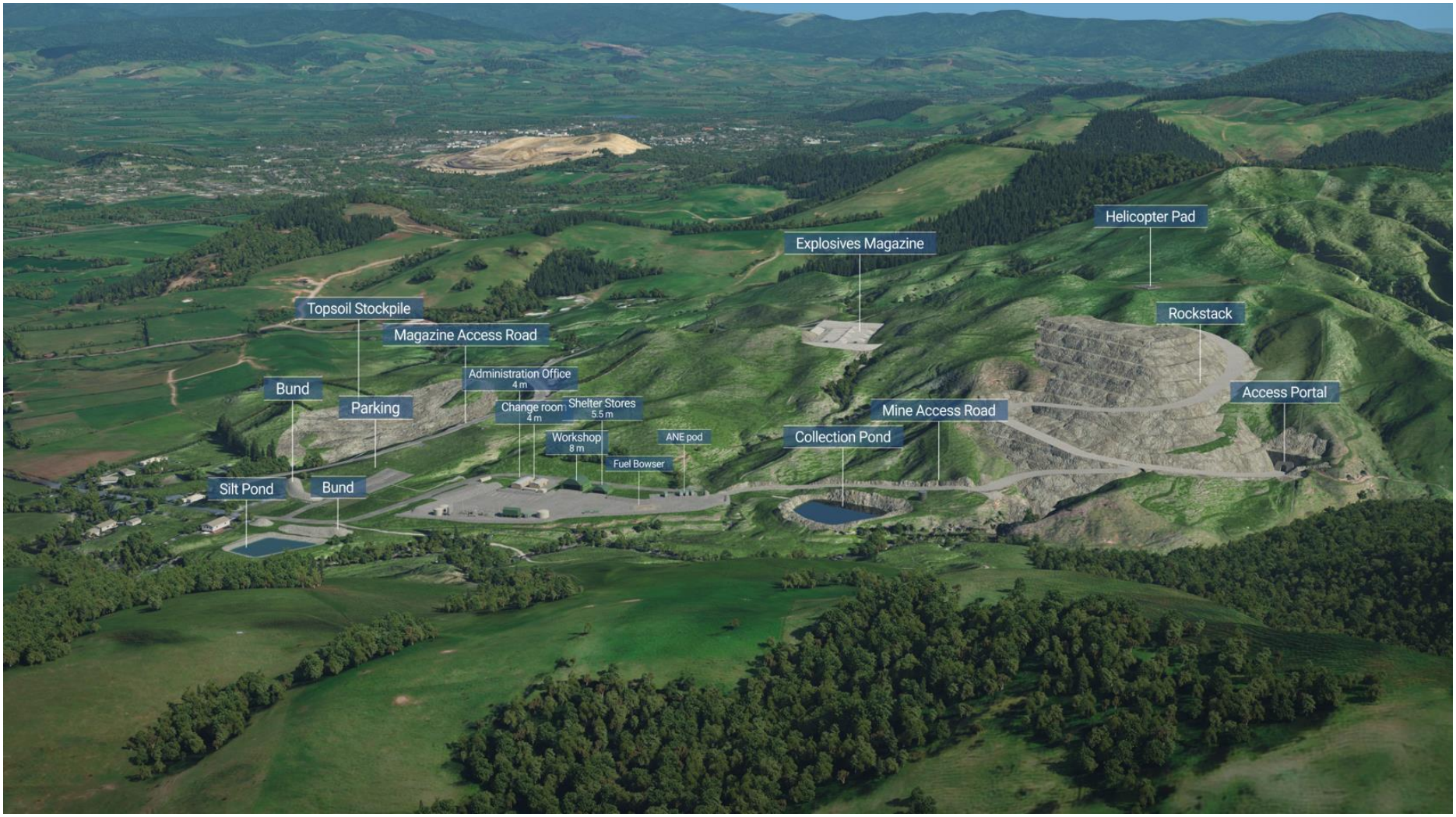


Figure 2 – Area 2 View 2

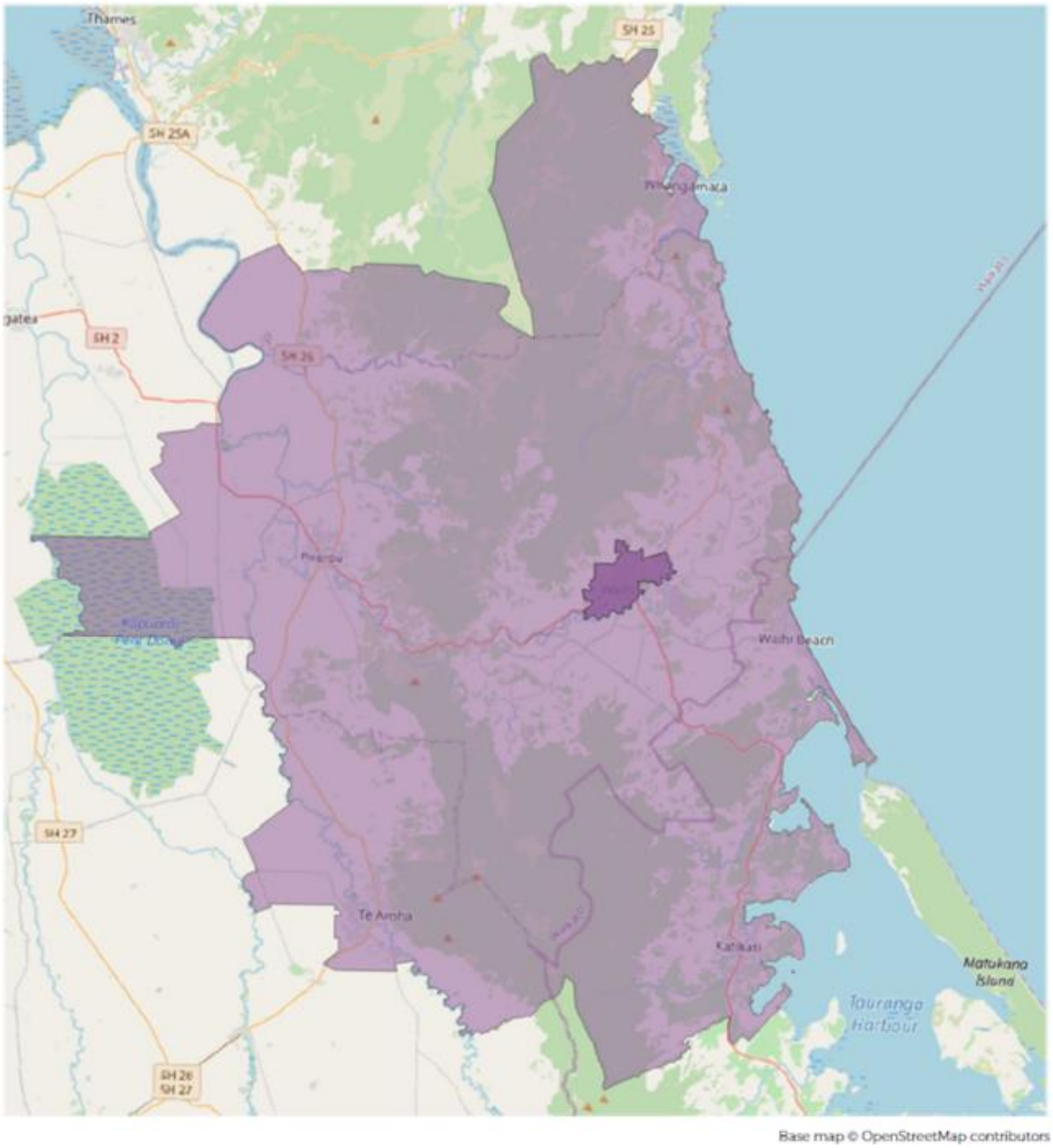
Figure 3 – Area 2 View 3

Figure 4 – Area 5 View 1

Figure 5 – Area 5 View 2

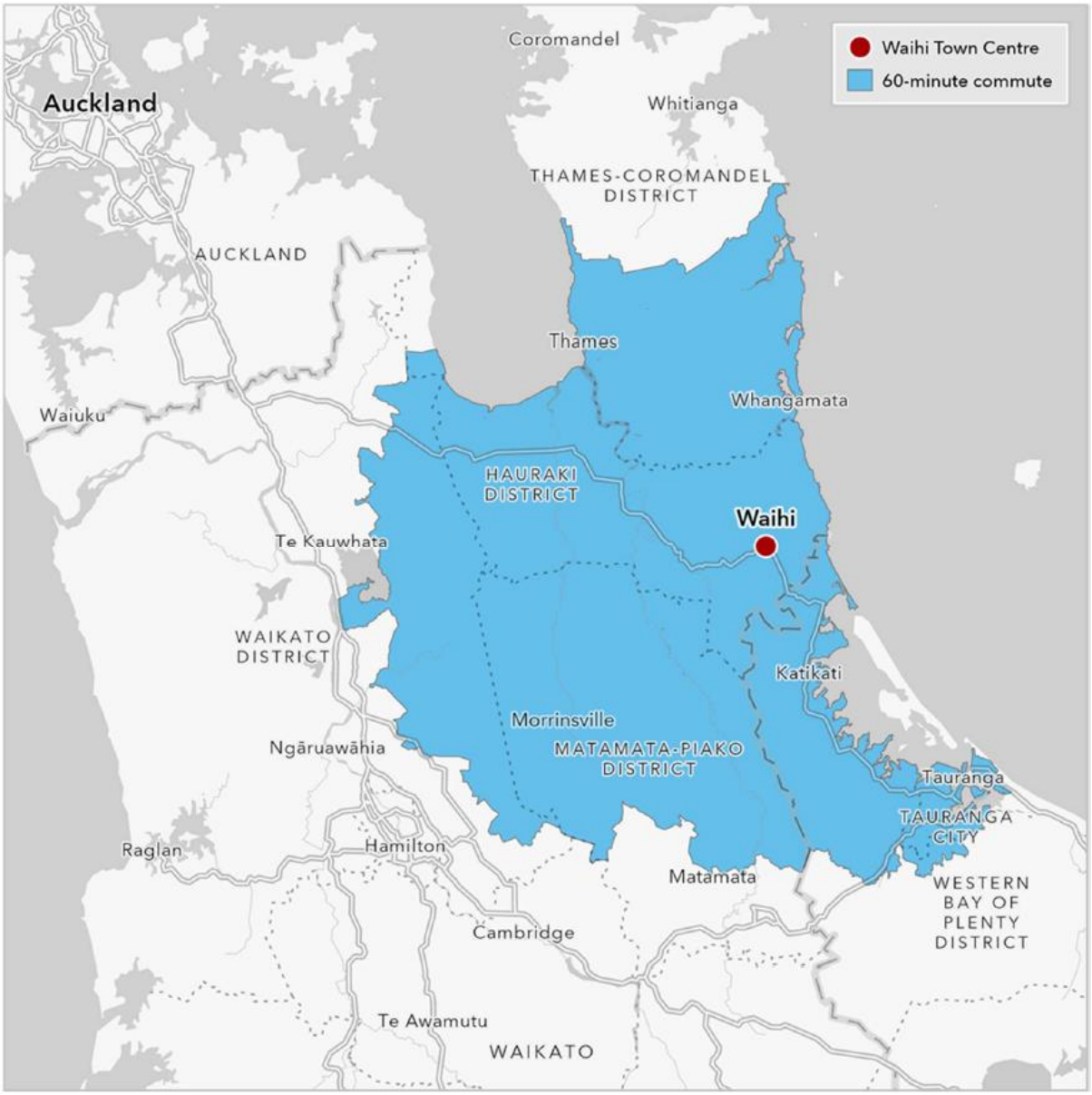
Attachment 3 – Workforce Accommodation Assessment Areas

Local Area (light purple) with Waihi Town (dark purple)



Note: The local area is defined by a 30km radius from the Waihi Town Centre and is made up of Statistical Area 1 units that have 50% or more land that falls within a 30 km radius centred on Waihi Town (centroid at NZTM 1851800, 5858128).

Area Within a 60-minute Commute of Waihi Town Centre



Attachment 4 – Waihi North Project Site Selection Protocol

SITE SELECTION PROTOCOL FOR THE LOCATION OF DRILL SITES AND PUMPING TEST / VENTILATION SHAFT SITES

OVERVIEW

This document outlines the protocol which will be used by OceanaGold New Zealand Limited ("**the Consent Holder**") to select the location of up to eight exploration drill sites, twelve investigative drill sites and up to four pumping test / ventilation shaft sites at the proposed Wharekirauponga Underground Mine ("**WUG**"), located within the Coromandel Forest Park as part of the Waihi North Project ("**WNP**"). For avoidance of doubt, this protocol does not apply to portable drill rig locations.

This protocol follows a cascading management approach whereby:

- A short list of suitable drill sites will be selected based on the Consent Holder's technical requirements; and
- A short list of suitable ventilation shaft sites will be selected based on the Consent Holder's technical requirements.

Shortlisted sites will then be subject to a multicriteria assessment ("**MCA**"), which will evaluate each potential site against ecological, freshwater, landscape, heritage and recreational criteria. The final eight investigative drilling and four ventilation shaft sites will be selected based on the outcomes of the MCA. This protocol will ensure that selected sites meet the Consent Holder's technical requirements, whilst minimising adverse effects on the environment.

SHORT-LIST SITE IDENTIFICATION–

The Consent Holder shall create a short list of options for drill and ventilation sites which meet engineering and geotechnical requirements.

The Consent Holder shall assess each of the shortlisted sites against the MCA (set out below) to inform the final site selection.

Note: all sites must meet engineering and geotechnical requirements in order to fulfil their intended function. For ventilation sites in particular, it is recognised that engineering and geotechnical requirements may result in a low number of potential options.

MULTICRITERIA ASSESSMENT

The following assessment shall be used for drill sites and ventilation shafts.

Once the Consent Holder has established a shortlist of drill sites and/or ventilation shaft sites, it shall convene a team of appropriately qualified and experienced experts to undertake the MCA evaluation for each site.

The MCA will guide the Consent Holder's selection of up to eight exploration drill sites, twelve investigative drill sites and up to four ventilation shaft sites at locations which best achieve the outcomes set out below.

Multicriteria Assessment Outcomes

Terrestrial Fauna

- The loss of 'At Risk' or 'Threatened' herpetofauna is avoided;
- The loss of 'At Risk' or 'Threatened' terrestrial invertebrates is avoided;
- The removal of trees where bats are actively roosting is avoided; and
- The removal of trees in which birds[1] are actively nesting is avoided.

Terrestrial Flora

- The loss of 'At Risk' or 'Threatened' flora is avoided;
- The loss of mature trees (trees that are greater than 50 cm in diameter at breast height (1.4 m above ground level)) is minimised where practicable; and
- Preference is given to sites where trees can be trimmed or tied back in such a way as to minimise felling.

Freshwater Values

- Sites selected are located as far from surface waterbodies (including natural inland wetlands) as is reasonably practicable; and
- The loss of riparian vegetation within 20 m of a waterway is minimised where practicable.

Landscape and Visual Amenity Values

- Sites selected can be visually contained, including any consequent plume from ventilation shafts, and assimilated into the environment so that they are reasonably difficult to see.

[1] Any reference to birds means birds protected under the Wildlife Act 1953

- Once work has been completed, selected sites can be successfully rehabilitated to ensure that long term landscape and visual effects are avoided.

Heritage and Cultural Values

- Disturbance to, or interference with listed or known heritage features and / or sites is avoided.
- Archaeological features and features of particular significance to iwi are avoided.

The Consent Holder must engage a suitably qualified and experienced archaeologist to assess if there are any known archaeological or other historic heritage features, or a likelihood of unidentified archaeological or other historic heritage features within 500m of the shortlisted investigative drill sites and **ventilation** shaft sites.

Recreation Values

- Sites selected are located as far away as is practicable from the Te Wharekirauponga Track.

Multicriteria Assessment Tool

A red / amber / green ("**RAG**") MCA tool will be utilised to guide decision-making. The assessment tool has three rankings, based on the level of adverse effect anticipated for each criterion, noting that the grading is relative to the other effects, not absolute:

Lower effects	Moderate effects	Higher effects

The criteria for assessing each value set is set out in **Table 1**.

Table 1: MCA Assessment Tool.

Criteria	Lower effects	Moderate effects	Higher effects
Terrestrial Fauna			
Habitat value for native frogs	<20 % cover of kiekie and / or fern species	≥20 %, ≤50% cover of kiekie and / or fern species	>50 % cover of kiekie and / or fern species
'At Risk' and / or 'Threatened' terrestrial invertebrates	No 'At Risk' and / or 'Threatened' terrestrial invertebrates are found on site.	'At Risk' and / or 'Threatened' terrestrial invertebrates are found on site, but can be salvaged and moved to suitable habitat at least 50m away from the drilling and / or ventilation shaft site (as assessed by a suitably qualified entomologist).	At Risk' and / or 'Threatened' terrestrial invertebrates are found on site, and cannot be salvaged and moved to suitable habitat at least 50m away from the drilling and / or ventilation shaft site (as assessed by a suitably qualified and experienced ecologist).
Bat roosts	No trees with bat roost characteristics identified on site (as assessed by suitably qualified zoologist).	Trees with bat roost characteristics identified on site, but no bats are found to be currently roosting in the tree (as assessed by a suitably qualified ecologist).	Trees with bat roost characteristics identified on site, with signs that bats are currently roosting in the tree (as assessed by a suitably qualified ecologist).
Nesting birds	No active bird nests detected on site (as assessed suitably qualified ecologist).	-	Active bird nests detected on site (as assessed by a suitably qualified ecologist).
Indigenous Terrestrial Flora			
'At Risk' and / or 'Threatened' flora NB This does not include kauri and Myrtaceae species (classified as 'Threatened - Nationally Vulnerable' or 'At Risk – Declining' in response to disease risk.)	No 'At Risk' and / or 'Threatened' flora identified is on site (as assessed by suitably qualified botanist).	'At Risk' and / or 'Threatened' flora identified is on site, but can be readily translocated to a suitable alternative site containing similar light, soil and vegetation community characteristics (as determined by a suitably qualified botanist), or retained on site by bending back without cutting.	'At Risk' and/ or 'Threatened' flora identified on site, and cannot be readily translocated to a suitable alternative site containing similar light, soil and vegetation community characteristics (as determined by a suitably qualified botanist), or retained on site by bending back without cutting.
Removal of mature trees	No removal of trees greater than 50 cm in diameter at breast height is required.	Removal of <=4 trees greater than 50 cm in diameter at breast height is required.	Removal of >4 trees greater than 50 cm in diameter at breast height required.
Freshwater			
Proximity to rivers and streams	Site is more than 100 m from nearest river or stream.	Site is between 50-100 m from nearest river or stream.	Site is less than 50m from nearest river or stream.
Proximity to wetland	Site is more than 100 m from nearest wetland.	Site is between 10 - 100 m from a wetland.	Site is within or within 10 m of a wetland.[2]
Riparian vegetation	No riparian vegetation removal required.	Minimal riparian vegetation removal is required.	More than minimal riparian vegetation removal is required.

[2] NB: Resource Consent will be required under the NES-Freshwater for any earthworks or land disturbance within, or within a 10 m setback from, a natural inland wetland, or outside a 10 m, but within a 100 m, setback from a natural inland wetland results, or is likely to result, in the complete or partial drainage of all or part of the wetland

Criteria	Lower effects	Moderate effects	Higher effects
Landscape and Visual Amenity			
Visibility	Site cannot be seen from any formal walking track or viewpoints beyond the Coromandel Forest Park.	Site can partially be seen from any formal walking track or viewpoints beyond the Coromandel Forest Park.	Site can be clearly seen from any formal walking track or viewpoint beyond the Coromandel Forest Park.
Heritage			
Heritage features/Cultural	No heritage or cultural features and / or sites are identified within 500m of the site.	Heritage/cultural features and / or sites are identified within 500m of site, but outside the proposed site footprint.	Heritage/cultural features and / or sites are identified with the proposed site footprint.
Recreation			
Proximity to recreational tracks	Site is at least 750 m from nearest formal walking track.	Site is between 400 -750 m from nearest formal walking track.	Site is within 400 m of nearest formal walking track.
Proximity to *Waikato Conservation Management Strategy* recreation remote zones	Site is more than 500 m outside of a recreation remote zone.	Site is within 500 m of a recreation remote zone.	Site is within a recreation remote zone.

Multicriteria Assessment Process

The Consent Holder shall assess each site using the following process:

1. **Score Sites:** Each drill site and ventilation shaft option shall be evaluated against each MCA criterion set out in **Table 1**. Each site shall be given an RAG rating for each criterion.
2. **Evaluate Red Ratings:** Where a site option is assessed as red (having a high level of effect) for any criterion, the Consent Holder shall engage a suitably qualified expert to determine if the effect is of such magnitude as to constitute a 'fatal flaw' (i.e., a critical issue that would make the site unsuitable for selection, based on an environmental value or values). If the suitably qualified expert considers the site option unsuitable, it shall be disqualified. If the suitably qualified expert does not deem the effect to be a fatal flaw, the site shall remain in contention.
3. **Compare Sites:** After assigning RAG ratings, the Consent Holder shall compare the sites. Generally, sites with more green ratings and fewer amber or red ratings are more favourable.
4. **Site Selection:** The Consent Holder shall select those sites with the best overall balance of green and amber ratings, ensuring no fatal flaws are present.

REPORTING

The Consent Holder shall report the outcome of the MCA as follows:

- For drill sites, the results of the assessment shall be documented in a Drill Site Siting Report, which shall be submitted to the Hauraki District Council, Waikato Regional Council and Department of Conservation, at least 20 days prior to vegetation clearance commencing at any of the selected sites; and
- For ventilation shaft sites, the results of the assessment shall be documented in a Ventilation Shaft Siting Report, which shall be submitted to the Hauraki District Council, Waikato Regional Council and Department of Conservation, at least 20 days prior to the commencement of vegetation clearance or work required to construct the ventilation shafts.

Attachment 5 – Frog Hygiene Protocol

Native frog hygiene and handling protocols

Background

Over the past 25 years' amphibian populations have declined throughout the world and disease is considered to play a major role. One disease we have in New Zealand which is thought to be a major threat to frogs is the amphibian chytrid fungus. Given the transmission risk of the fungus and other diseases, strict hygiene and handling protocols are required to ensure the safety of our native frog populations. This document provides information on how to:

- Minimise any possible spread of the amphibian chytrid fungus and other pathogens.
- Avoid artificially increasing contact between frogs.
- Achieve the highest level of hygiene protocol that is effective and practical in the field.
- Safely handle frogs for research purposes.

Principles

- Transmission risk can be managed/reduced through good hygiene practices.
- New or disinfected equipment /footwear should be used at every new site.
- New or disinfected equipment should be used for each frog, where practicable.

What should I do before entering known frog habitat?

Before you enter known frog habitat ensure all your foot wear, gaiters and equipment are clean, e.g. free of dirt/mud and dry. Foot wear, gaiters and equipment will also be disinfected. You can ensure that your clothing and equipment is safe to take into frog areas by following simple hygiene protocols.

Site hygiene

- Remove all dirt/mud from footwear, gaiters and field equipment. Pay particular attention to field gear likely to come in contact with amphibians, soil/ground, freshwater, and/or that is already dirty e.g. boot soles.
- Disinfect all field gear. Mud/dirt etc. will be cleaned off first before disinfecting.
- Wash and dry everything. *Important* Chytrid fungus cannot survive drying out so it is very important that cleaned items are dried.
- Store gear in a clean dry area away from soil to avoid recontamination.
- *Important* If you have been to an area infected with the amphibian chytrid fungus you will clean and disinfect all your gear. Gear will also be cleaned between each field trip into the same native frog area, regardless of whether you are going in the same way or not.

Tips

- Clean ahead to allow time for drying and consider having multiple sets of high use items if no time is available to clean between field trips.
- Wear different footwear when driving between areas and change into clean footwear at the point of entry into frog habitat.

These hygiene protocols are subject to change in the event of new amphibian diseases emerging in New Zealand. Always check with your local Department of Conservation office for the most up to date hygiene information.

What disinfectant should I use and how much?

Purpose	Disinfectant	Concentration	Time	Rinse
Disinfecting footwear/gaiters	Sodium hypochlorite (bleach)	1%	1min	Yes
	Hot Wash	4%	15 mins	Yes
Disinfecting collection equipment, instruments and containers	Trigene/ SteriGene F10	1%	1min	Yes
		1%	1min	Yes
	Virkon (NB: corrosive)	1:100	10 mins	Yes
	Sodium hypochlorite (bleach)	1%	1min	Yes
	Virkon *(NB:* corrosive')	4%	15 mins	Yes
	Trigene	1%	1min	Yes
	F10	1%	1min	Yes
	Ethanol	70%	1min	Air dry
	Complete drying		3+ hrs	No
	Heat	37°C	4 hours	No
	Heat	60°C or greater	15 mins	No
	Sterilising UV light		1min	No

Trigene/SteriGene and Virkon and can be purchased from your local vet clinic.

Frog handling hygiene

- A new plastic bag or new powder-free nitrile gloves will be used for each frog when they are caught or handled. Within a local area (deemed as a continuous population) the same gloves may be used for searching for frogs and need to be changed if they come into contact with a frog. It is important to ensure that new gloves are used when moving between areas. Also if a frog displays signs of ill health or looks compromised in some way please ensure a separate glove is used to handle these individuals.
- Each frog should be housed in a separate plastic bag.
- For researchers working in native frog habitat - please ensure all frog handling/measuring equipment that comes into direct contact with the frog is disinfected prior to use, between frogs and between sites.
- Each frog will be weighed and measured in the plastic bag to reduce unnecessary contact.
- Ensure the frogs are kept cool at all times; avoid keeping frogs in the cupped hand if possible to allow proper thermoregulation.
- Minimise handling times to reduce stress and to avoid the side effects of stress.
- Sick or dead frogs should be collected and held separately from all other frogs until delivered to the appropriate recipient. All equipment should be cleaned and disinfected after use.
- Although hind-leg handling is a common technique used while measuring and weighing ot species of frogs this echni ue w l never be use w th ny native fro *(Leiopelma)* speci s.

If you find a sick or dead frog please take it to or contact your local Department of Conservation office.

Attachment 6 – Wharekirauponga Pest Management Area

LEGEND
- Tracks
- River/Stream
- Proposed pest control area
- Ungulate Control (1km buffer)

Ecological Observations
- Archey's frog
- Hochstetter's frog
- Paua slug
- Lizard observation
- Orchid
- King fern
- Kauri trees

Note: boundaries are indicative only

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0 1 km

1:30,000 @ A3

Data Sources: Eagle Technology, Land Information New Zealand, GEBCO, Community maps contributors, Boffa Miskell, OceanaGold, Bioresearchers, DOC

Projection: NZGD 2000 New Zealand Transverse Mercator

PEST MANAGEMENT

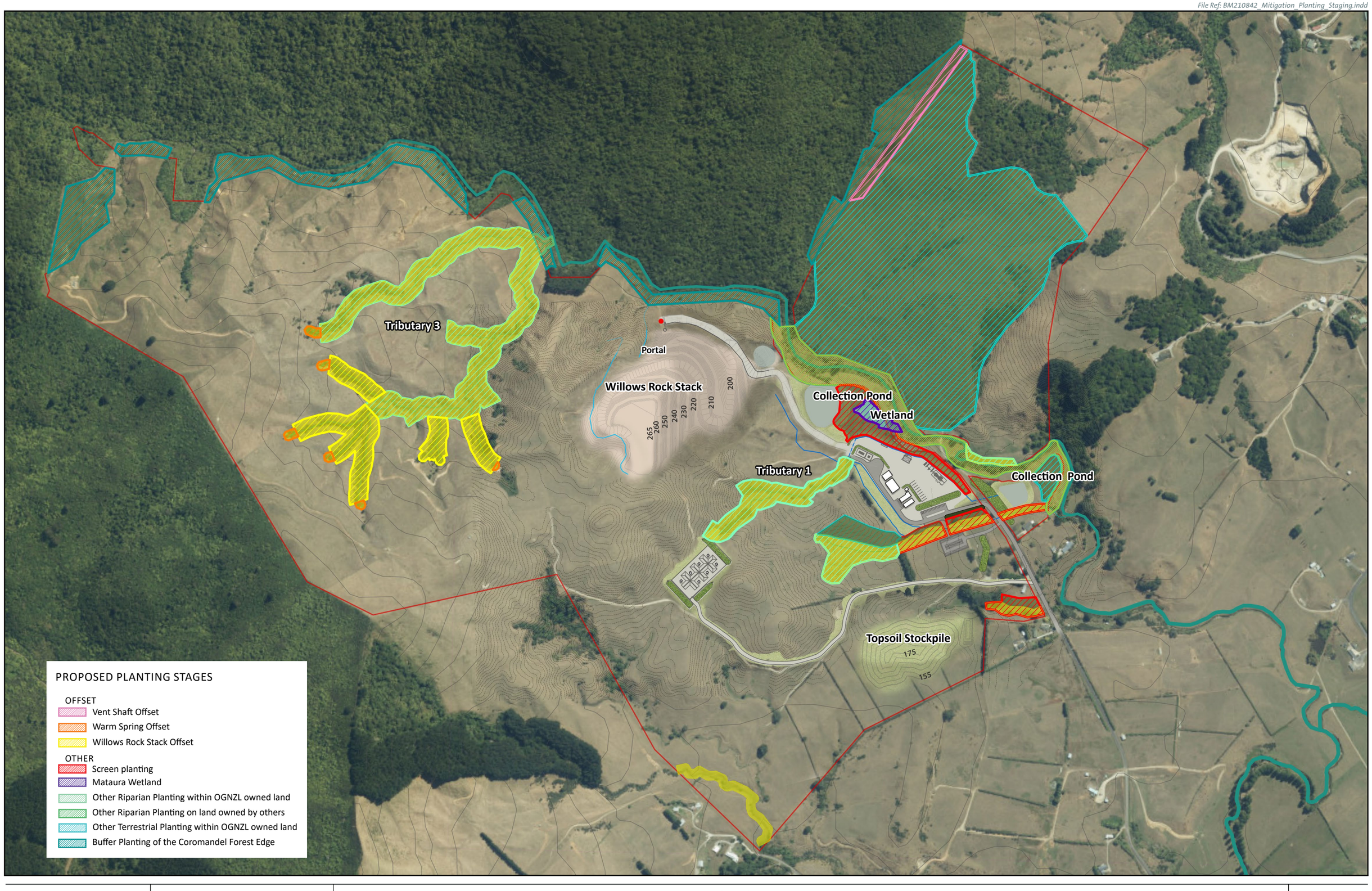
Map 1. Proposed Pest Management Area and Ecological Values

Date: 18 February 2025 | Revision: 3

Plan prepared by Boffa Miskell Limited

Project Manager: Helen.Blackie@boffamiskell.co.nz | Drawn: HCo | Checked: HBl

Attachment 7 – Proposed Integrated Mitigation Planting Stages Maps



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NORTH

0 250m

1:7,500 @ A3

LEGEND

- Willows Rd site
- Existing fences
- Existing streams
- Collection steam
- Culverts
- Bund
- Hydroseeded grass
- Proposed shelter belt
- Terrestrial planting (native)
- Riparian planting
- Wetland planting

WAIHI NORTH

Proposed Integrated Mitigation Planting Stages

- WUG Surface Facilities Area

Date: 18 February 2025 Revision: 2

Plan prepared for Oceana Gold by Boffa Miskell Limited

Project Manager: rhys.girvan@boffamiskell.co.nz | Drawn: EFa| Checked: RGi

Figure A

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NORTH

0 500m

1:15,000 @ A3

LEGEND

- OCG land boundary
- SNA boundary
- Existing streams
- Diversion stream (existing)
- Collection steam
- Proposed access road
- Existing recreational trails
- Terrestrial planting (native)
- Riparian planting
- Wetland planting
- MTB trail
- Hydro seeded grass

WAIHI NORTH

Proposed Integrated Mitigation Planting Stages

- GOP, NRS and TSF3

Date: 18 February 2025 Revision: 2

Plan prepared for Oceana Gold by Boffa Miskell Limited

Project Manager: rhys.girvan@boffamiskell.co.nz | Drawn: EFa| Checked: RGi

Figure B

Attachment 8 – Proposed Integrated Mitigation Planting Details

Table 1: Planting Referred to in Condition 165

Area	Trigger Activity	Objective	Treatment	Timeframe
Figure A				
Offset Planting				
Vent Shaft Offset	> Clearance of vegetation for first vent shaft / pump test site.	> To offset for the loss of vegetation and habitat associated with the vent raises in Area 1; > To recreate complex broadleaf native forest habitat with species and vegetation tiers consistent with the Coromandel Forest Park (**CFP**); > To provide an extension of habitat for native fauna in the CFP; > To promote natural reseeding from the CFP; > General ecological and landscape enhancement.	> Stock and pig exclusion; > Low density native planting with suitable broadleaf species, for example kanuka (Kunzea robusta), pigeonwood (Hedycarya arborea), mahoe (Melicytus ramiflorus). Once established (3-5 years), enrichment planting with specimen tawa (Beilschmiedia tawa), miro (Prumnopitys ferruginea), pukatea (Laurelia novae-zelandiae) and rimu (Dacrydium cupressinum); > Planting should be staged to support natural forest regeneration processes particularly where natural seedling establishment is observed; > Weed control; > Mammalian pest control.	> Pioneer planting completed by the end of the first planting season following vegetation clearance for vent shafts within Area 1; > Enrichment planting of future canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).

Area	Trigger Activity	Objective	Treatment	Timeframe
Other Planting				
Screen planting	> Commencement of Willows SFA construction.	> To visually contain and assimilate landform modification and screen associated surface infrastructure area from Willows Road (including the unformed paper road) and adjoining rural dwellings.	> Stock exclusion; > Site preparation; > Standard mass planting of riparian and adjoining terrestrial areas using representative native pioneer species and non-invasive exotic shelter belt in specified area; > Enrichment with future representative canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species; > Establishment of a shelterbelt in the location shown in Figure A; > Weed control; > Mammalian pest control.	> Planting complete within the first planting season following the completion of bulk earthworks in Area 2 associated with the establishment of the Willows Road Surface Facilities Area.
Other Terrestrial Planting within OGNZL owned land	> Commencement of Willows SFA construction.	> To recreate complex broadleaf native forest habitat with species and vegetation tiers consistent with the CFP; > To provide an extension of habitat for native fauna in the CFP;	> Stock and pig exclusion; > Low density native planting with suitable broadleaf species, for example kanuka (Kunzea robusta), pigeonwood (Hedycarya arborea), mahoe (Melicytus ramiflorus). Once established (3-5 years), enrichment	> As soon as practicable but no more than 10 years following commencement of activities within Area 2.

Area	Trigger Activity	Objective	Treatment	Timeframe
		> To promote natural reseeding from the CFP; > General ecological and landscape enhancement	planting with specimen tawa (Beilschmiedia tawa), miro (Prumnopitys ferruginea), pukatea (Laurelia novae-zelandiae) and rimu (Dacrydium cupressinum); > Planting should be staged to support natural forest regeneration processes particularly where natural seedling establishment is observed; > Weed control; > Mammalian pest control.	
Buffer Planting of the Coromandel Forest Edge (subject to approval being provided by the Department of Conservation)	> Commencement of Willows SFA construction.	> Minimise edge effects and provide a buffer between the CFP and the farmland; > To recreate complex broadleaf native forest habitat with species and vegetation tiers consistent with the CFP; > To provide an extension of habitat for native fauna in the CFP; > To promote natural reseeding from the CFP; > General ecological and landscape enhancement.	> Stock exclusion; > Low density native planting with suitable broadleaf species, for example, kanuka (Kunzea robusta), pigeonwood (Hedycarya arborea), mahoe (Melicytus ramiflorus). Once established (3-5 years), enrichment planting with specimen tawa (Beilschmiedia tawa), miro (Prumnopitys ferruginea), pukatea (Laurelia novae-zelandiae) and rimu (Dacrydium cupressinum); > Planting should be staged to support natural forest regeneration	> As soon as practicable but no more than 10 years following commencement of activities within Area 2.

Area	Trigger Activity	Objective	Treatment	Timeframe
			processes, particularly where natural seedling establishment is observed; > Weed control; > Mammalian pest control.	
Figure B				
Offset Planting				
Lizard Habitat Enhancement Area	> Vegetation removal in Area 7.	> To enhance an existing 1.3 ha area of known habitat for Nationally 'At Risk' moko skinks (Oligosoma moco); > To provide a safe (pest managed) refuge for relocated lizards; > General ecological and landscape enhancement with additional habitat creation of 4.04 ha adjacent to SNA166 (including the 1.3 ha of known habitat listed above).	> Stock exclusion; > Pine tree removal; > Provision of permanent lizard refuge structures; > Standard mass planting of targeted lizard habitat species, for example flax (*Phormium tenax*), Pohuehue (*Muehlenbeckia complexa*), Toetoe (*Austroderia toetoe*), Mingimingi (*Leucopogon fasciculatus*), Pohutukawa (*Metrosideros excelsa*) and Cabbage Tree (*Cordyline australis*); > Weed control; > Mammalian pest control (until mine closure).	> Pine tree removal before any vegetation removal in Areas 5, 6 or 7; > Pioneer planting complete by end of first planting season following vegetation removal in Area 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).

Area	Trigger Activity	Objective	Treatment	Timeframe
Waihi Biodiversity Offset Planting Area	> Vegetation removal in Area 7.	> 17.5 ha of new planting in, adjacent to, and in the wider landscape of the SNA to offset loss of 8.3 ha of SNA vegetation; > 20 ha of new planting in wider WNP area to offset loss of 10.1 ha of site-wide indigenous vegetation; > General ecological and landscape enhancement	> Stock exclusion; > Site preparation; > Standard mass planting using native pioneer species; > Enrichment with WF11 future canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species; > Weed control; > Mammalian pest control.	> Pioneer planting complete by end of first planting season following vegetation removal in Area 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Waihi Biodiversity Offset Enhancement Area	> Vegetation removal in Area 7.	> 20 ha of enhancement actions within pine-dominant areas of SNA 166 to offset loss of 1.2 ha of non-SNA native vegetation; > General ecological and landscape enhancement.	> Stock exclusion; > Pine tree removal or poison, top & delimb; > Infill planting SNA Enrichment species at 5 m spacing where pine trees are removed; > Weed control; > Mammalian pest control.	> Pine tree management, SNA enhancement planting (pine tree areas) complete by end of first planting season following vegetation removal in Area 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Other Planting				
TSF Buffer Area	> Vegetation removal in Area 7.	> To rapidly buffer the edges of SNA166 to reduce weed reinvasion	> Buffer planting a minimum of 10 m wide along the southern boundary of	> Pioneer planting complete by end of first planting season following vegetation removal in Area 7.

Area	Trigger Activity	Objective	Treatment	Timeframe
		and other edge effects following vegetation removal; > General ecological and landscape enhancement.	the Southern Fragment of SNA 166 with fast growing native shrubs; > Weed control; > Mammalian pest control.	
Replacement Planting Zones 1, 2 and 4	> Vegetation removal in Areas 5, 6 or 7.	> Replacement planting for - unprotected planted vegetation (including pine) that would be removed; > Provide for and enhance ecological connectivity; > Provide ecological buffers to existing ecological values; > General ecological and landscape enhancement.	> Stock exclusion; > Site preparation; > Standard mass planting using native pioneer species; > Enrichment with WF11 future canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species; > Weed control; > Mammalian pest control.	> Pioneer planting complete by end of fifth planting season following vegetation removal in Areas 5, 6 or 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Replacement Planting Zones 5 – 9	> Vegetation removal in Areas 5, 6 or 7.			> Pioneer planting complete by end of seventh planting season following vegetation removal in Areas 5, 6 or 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Replacement Planting Zone 3	> Commencement of works at GOPTSF.			> Existing pine trees retained whilst Gladstone Pit is in operation; > Pine tree management and pioneer planting completed within the first

Area	Trigger Activity	Objective	Treatment	Timeframe
				planting season following completion of surface mining in Gladstone Pit. This requires planting to occur before or whilst GOPTSF is in operation; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Replacement Planting Zone 10	> Vegetation removal in Areas 5, 6 or 7.			> Pioneer planting complete by end of second planting season following vegetation removal in Areas 5, 6 or 7; > Enrichment planting undertaken once the pioneer plantings have reached a sufficient size to shelter enrichment species (likely to be between 3 and 5 years following pioneer planting).
Screen Planting	> Vegetation removal in Areas 5, 6 or 7.	> To screen temporary stockpiles and Northern Rock Stack from Golden Valley Road.	> Establishment of fast growing native planting.	> Planting complete within the first planting season following the commencement of the consent.
Other Terrestrial Planting on OGNZL owned land	> As above.	> General ecological and landscape enhancement.	> Stock exclusion; > Site preparation; > Standard mass planting using native pioneer species;	> As soon as practicable but no more than 10 years following commencement of activities within Areas 5, 6 or 7.

Area	Trigger Activity	Objective	Treatment	Timeframe
			> Enrichment with WF11 future canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species; > Weed control; > Mammalian pest control.	
Other Terrestrial Planting on land owned by others	> Vegetation removal in Areas 5, 6 or 7.	> General ecological and landscape enhancement.	> Stock exclusion; > Site preparation; > Standard mass planting using native pioneer species; > Enrichment with WF11 future canopy species once the pioneer plantings have reached a sufficient size to shelter enrichment species; > Weed control; > Mammalian pest control.	> As soon as practicable but no more than 10 years following commencement of activities within Areas 5, 6 or 7.