

LIST OF ACRONYMS

Term	Meaning
ACC	Accident Care Corporation
Act or the Act	Fast-track Approvals Act 2024
AEE	Assessment of Environmental Effects
AEP	1 in 10,000 Annual Exceedance Probability
Alliance Ecology	Alliance Ecology Consulting
AMD	Acid and Metalliferous Drainage
ANFO	Ammonium nitrate fuel oil
APAs	Affected Party Approvals
Asl	Above Sea Level
ARA	Ardgour Restoration Area
ARI	Average Reoccurrence Interval
ARP	Applied Research Plan for Cushionfields and Spring Annuals
ARAMP	Ardgour Restoration Area Management Plan
AQMP	Air Quality Management Plan
BOGP	Bendigo-Ophir Gold Project
BOMP	Biodiversity Outcome Monitoring Plan
CGP	Conservation General Policy 2005
CIA	Cultural Impact Assessment
CIL	Carbon-In-Leach
CIT	Come-In-Time



Term	Meaning
CLG	Community Liaison Group
CODC	Central Otago District Council
Conservation Act	Conservation Act 1987
Consultation Report	Bendigo-Ophir Gold Project Pre-Application Engagement Report
Cushionfield ARP	Applied Research Plan for Cushionfields and Spring Annuals
Crown Minerals Act or CMA	Crown Minerals Act 1991
CVA	Cultural Values Assessment
CVS	Cultural Values Statement
DDF	Direct Disturbance Footprint
District Plan	Central Otago District Plan
EclAG	Environment Institute of Australia and New Zealand's Ecological Impact Assessment Guidelines
Ecological Regions Report	The Ecological Regions and Districts of New Zealand 1987 Report
eDNA	Environmental DNA
EGL	Engineering Geology Limited
ELF	Engineered Landform
EPA	Environmental Protection Authority
ESC	Erosion and Sediment Control
ESCP	Erosion and Sediment Control Plan
FIFO	Fly-In Fly-Out
Fish & Game	Fish & Game New Zealand

Term	Meaning
Fisheries Regulations	Freshwater Fisheries Regulations 1983
FMU	Freshwater Management Unit
FTE	Full Time Equivalent
g/t	Grams per Tonne
GDP	Gross Domestic Product
GRM	Geocontam Risk Management
Habitat NZ	Habitat NZ Limited
HAIL	Hazardous Activities and Industries List
HIMP	Habitat Impact Management Plan
HSNO Act	Hazardous Substances and New Organisms Act 1996
HSW-HS	Health and Safety at Work (Hazardous Substances) Regulations
HNZPT	Heritage New Zealand Pouhere Taonga
HNZPT Act	Heritage New Zealand Pouhere Taonga Act 2014
HPL	Highly Productive Land
LERMP	Landscape and Ecological Rehabilitation Management Plan
LINZ	Toitū Te Whenua Land Information New Zealand
LMU	Landscape Management Units
l/s	Litres / Second
LS-W	Lower Shepherds Wetland
LUC	Land Use Consent
masl	Metres above sea level

Term	Meaning
MBIE	Ministry of Business, Innovation and Employment
MEP	Minerals Exploration Permit
MfE	Ministry for the Environment
MGL or the Company	Matakanui Gold Limited
MIW	Mine-Impacted Water
MMPA	Mineral Mining Permit Application
MMUs	Mine Manufacturing Units
MPP	Minerals Prospecting Permit
MRE	Mineral Resource Estimation
mRL	Mine Datum minus 1000m
MRZ-A	Mine Regeneration Zone A
MRZ-B1	Mine Regeneration Zone B1
MRZ-B2	Mine Regeneration Zone B2
MRZ -B3	Mine Regeneration Zone B3
MVA	Mega-Volt Amperes
MWM	Mine Waste Management Limited
NAF	Non-Acid Forming
NES Air	Resource Management (National Environmental Standards for Air Quality) Regulations 2004
NES Drinking Water	Resource Management (National Environmental Standard for Sources of Human Drinking Water) Regulations 2022
NES Electricity Transmission	Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009



Term	Meaning
NES Freshwater	Resource Management (National Environmental Standards for Freshwater) Regulations 2020
NESGHG	Resource Management (National Environmental Standards for Greenhouse Gas Emissions from Industrial Process Heat) Regulations 2023
NES Soil or NESCS	Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011
NMD	Neutral Metalliferous Drainage
NOF	National Objectives Framework
NO and NO ₂	Nitrogen Oxides
NPSFM	National Policy Statement for Freshwater Management 2020
NPSGHG	National Policy Statement for Greenhouse Gas Emissions from Industrial Process Heat 2023
NPSHPL	National Policy Statement for Highly Productive Land 2022
NPSIB	National Policy Statement for Indigenous Biodiversity 2023
NRMP	Kāi Tahu Ki Otago Natural Resource Management Plan 2005
NTU	Nephelometric Turbidity Unit (the standard unit of measurement for turbidity, which quantifies the cloudiness of a fluid caused by suspended particles, such as those in water)
NVMP	Noise and Vibration Management Plan
NZAA	New Zealand Archaeological Association
NZDSG	New Zealand Dam Safety Guidelines 2024
NZLRI	New Zealand Land Resource Inventory
NZP&M	New Zealand Petroleum and Minerals

Term	Meaning
NZSOLD	New Zealand Society on Large Dams
NZS6802:2008	New Zealand Standard 6802:2008 Acoustics – Environmental Noise
NZS6803:1999	New Zealand Standard 6803:1999 Acoustics – Construction Noise
NZTA	New Zealand Transport Agency (Waka Kotahi)
NZTM	New Zealand Transverse Mercator
OIO	Overseas Investment Office
ONFL	Outstanding Natural Feature and Landscape
ONL	Outstanding Natural Landscape
ORC	Otago Regional Council
Otago CMS	Otago Conservation Management Strategy
PAF	Potentially Acid-Forming
PAYE	Pay-As-You-Earn Tax
PCOCs	Potential Constituents of Concern
PM	Particulate Matter
PMP	Probable Maximum Precipitation
Proposed RPS	Proposed Regional Policy Statement
PSI	Preliminary Site Investigation
PTMP	Project Traffic Management Plan
PTS	Passive treatment systems
RAS	Rise and Shine

Term	Meaning
Regional Air Plan or Otago Air Plan	The Regional Plan: Air for Otago
Regional Waste Plan or Otago Waste Plan	The Regional Plan: Waste for Otago
Regional Water Plan or Otago Water Plan	The Regional Plan: Water for Otago
Reserves Act	Reserves Act 1977
RL	Reduced Level
RMA	Resource Management Act 1991
ROM	Run of mine
RPMP	Otago Regional Pest Management Plan 2019-2029 (Otago Regional Council, 2019)
RPS	Otago Regional Policy Statement
RSSZ	Rise and Shine Shear Zone
SAG	Semi-Autogenous Grinding
Santana Minerals or SMI	Santana Minerals Limited
SC-W	Shepherds Creek Wetland
SEQE	Suitably Experienced and Qualified Ecologist
SH8	State Highway 8
SSESCP	Site- Specific Erosion and Sediment Control Plan
SMP	Site Management Plan
SNA	Significant Natural Area
SNV	Significant Natural Value
SO ₂	Sulphur Dioxide
SQEP	Suitably Qualified and Experienced Person



Term	Meaning
SRE	Srex East
SRX	Srex
TGF	Thomson Gorge Fault
The Project	Bendigo-Ophir Gold Project
TIMP	Terrestrial Invertebrate Management Plan
TSF	Tailings Storage Facility
TSF EAP	Shepherds Tailing Storage Facility Emergency Action Plan
TSF-W	Tailings Storage Facility Wetland
TSP	Total Suspended Particulate
TSS	Total Suspended Solids
TZ3	Textural Zone 3
TZ4	Textural Zone 4
Waterways	Waterways Consulting Limited
Water Management Regulations	Resource Management (Measurement and Reporting Water Takes) Amendments Regulations 2020
Wildlife Act	Wildlife Act 1953
WTP	Water Treatment Plant

GLOSSARY OF TERMS

Term	Meaning
Ardgour Rise	The realignment of Thomson Gorge Road, via Ardgour Station.
Ardgour Terrace Site	The approximately 27-hectare area located on the Bendigo / Ardgour terraces, outside the Shepherds Valley on agricultural land, which contains the non-operational infrastructure for the BOGP.
Ardgour Terrace Wetland	The approximately 0.5 hectare wetland within Shepherds Creek on the Ardgour terrace.
Ardgour Restoration Area	The approximately 1263-hectare area of Ardgour Station where ecological habitat enhancement restorations works are proposed as part of offsetting and compensation measures
Aukaha	A mana whenua-owned organisation that provides resource management services across the takiwā of the four Papatipu Rūnaka ¹ and associated whānau and rōpū of the Otago Region.
Bendigo Conservation Covenant	Covers part of Bendigo Station and allows for public access from Thomson Gorge Road to the Come-in-Time Battery and access from Thomson Gorge Road to the Bendigo Conservation Area.
Bendigo-Ophir Gold Project	The topic of this fast-track approvals application, it covers approximately 568ha.
BOGP Consent Area	The entire Bendigo-Ophir Gold Project including exploration activities, mining operations within the Project Site, and all associated ancillary, monitoring, mitigation, off-setting and compensation activities and supporting infrastructure and activities within, and in the vicinity of, the Project Site as shown on Figure 1-4: Extent of the BOGP Consent Area . For the avoidance of doubt, the BOGP Consent Area includes the areas that are the subject of Concessions within Public Conservation Land.

¹ Te Rūnanga o Moeraki, Kāti Huirapa Rūnaka ki Puketeraki, Te Runanga o Ōtākou and Hokonui Rūnanga.



Term	Meaning
Catchment	An area of land bounded by natural features such as hills or mountains from which surface water flows into streams, rivers and wetlands.
Central stockpile	Used to temporarily store ore after being extracted from the mines before it is sent to the processing plant for treatment.
Clean Water Diversion Channel	Temporary channels around mine components for dammed and diverted water and to minimise the loss of creek flows / maintain the hydrological function of the wider upstream creek catchment.
Come-In-Time	Area of land with gold resource containing a Mineral Resource Estimation (2021) of 59,000oz of gold at a grade of 1.5g/t.
Concession	An approval sought under the Conservation Act for activities occurring on public conservation land.
Concrete Batching Plant	Infrastructure that produces cement aggregate fill for use in the backfilling of underground mines.
Direct Disturbance Footprint	The 610 hectare area of land within the Ecological Study Area covering the project site and ancillary activity areas that cause direct habitat loss through vegetation clearance and / or earthworks. Includes Ardgour Rise (Thomson Gorge Road realignment) and the construction zone for proposed predator proof fences. Buffers vary from 0-10 m in width for different component parts. For the purposes of the Terrestrial Invertebrate Survey and Mammalian Pest Report, an additional buffer was described.
Dispensation	An approval sought under the Freshwater Fisheries Regulations for activities that may impact fish or contravene the regulations.
Drive	A horizontal passage underground that follows along the length of a vein or rock formation opposed to a crosscut which crosses the rock formation.
Early works	Activities relating to the construction of support facilities including the temporary construction works accommodation,



Term	Meaning
	geology compound and administration buildings, and earthworks for the realignment of Thompson Gorge Road, enabling the timely initiation of the wider BOGP, and which MGL has submitted a resource consent application to CODC.
Ecological Study Area	An approximately 5,386 hectare area of land comprised of a mixture of grazing lands, leasehold Crown land, and Crown land which is divided into the DDF and surrounding landscape.
Engineered Landform	A man-made landform that permanently stores waste rock material to ensure long-term seismic stability and to minimise any adverse effects on water quality.
Exploration	Any activity undertaken for the purpose of identifying mineral deposits or occurrences and evaluating the feasibility of mining particular deposits or occurrences of 1 or more minerals; and includes any drilling, dredging, or excavations (whether surface or subsurface) that are reasonably necessary to determine the nature and size of a mineral deposit or occurrence; and to “explore” has a corresponding meaning.
Explosives Magazine	A Class 1 storage facility used for the storage of high explosives.
Lower Shepherds Wetland	An engineered wetland within Shepherds Creek on the Ardgour Terrace, located west of the proposed haul road to the Ardgour Terrace topsoil stack.
Matakanui Gold Limited	A New Zealand company, a wholly owned subsidiary of Santana Minerals Limited.
Mine Regeneration Zones	Approximately 889 ha of land established around the northern, southern and eastern extent of the Project site where ecological enhancement will be undertaken.
Mining Operations	Operations in connection with mining, exploring, or prospecting for any Crown owned mineral and includes, when carried out at or near the site where the mining, exploration, or prospecting is undertaken:



Term	Meaning
	i. the extraction, transport, treatment, processing, and separation of any mineral or chemical substance from the mineral; and ii. the construction, maintenance, and operation of any works, structures, and other land improvements, and of any related machinery and equipment connected with the operations; and iii. the removal of overburden by mechanical or other means, and the stacking, deposit, storage, and treatment of any substance considered to contain any mineral; and iv. the deposit or discharge of any mineral, material, debris, tailings, refuse, or wastewater produced from or consequent on the operations; and v. the doing of all lawful acts incidental or conducive to the operations.
Paper Road	An undeveloped road
Paste Plant	A facility located near the processing plant, to dewater tailings and combine with cement to create a pumpable paste.
Process Plant Area	A site planform accommodating the processing plant and supporting infrastructure and buildings, covering an area of approximately 1,000 m x 120 m.
Processing Plant	A conventional hard-rock gold processing plant located within the lower reach of Shepherds Valley along with ancillary infrastructure.
Project Site	the areas identified on Figure 1-3: Project Site - Layout of the Bendigo-Ophir Gold Project covering 568 hectares. The project site includes: > The areas within which mining operations will occur including open pits, an underground mine, the TSF, ELFs, processing plant, haul roads and supporting / ancillary activities and infrastructure;



Term	Meaning
	> Two bores on the Bendigo Terrace and associated pipelines for the supply of fresh water; > An upgrade to the intersection of SH8 and Ardgour Road; and > The construction of Ardgour Rise – a new road to maintain public access between Ardgour Terrace and Thomsons Saddle.
RAS Ridge	Topographical ridge located immediately above Rise and Shine and between Rise and Shine Creek and Shepherds Creek.
Regional Plan	Refers to the Otago Regional Plan.
Rise and Shine	Area of land with gold resource containing a Mineral Resource Estimation (2024) of 2,217,000oz of gold at a grade of 2.3g/t .
Rise and Shine Sheer Zone	A late metamorphic deformation zone which runs through the project site (at the footwall of the TZ4 schist) dipping 20 – 30 degrees northeast.
Santana Minerals	A publicly listed company on both the Australian Securities Exchange and New Zealand Securities Exchange engages in the exploration and evaluation of gold, silver and base metal properties in New Zealand.
Sediment control	Capturing sediment that has been eroded and entrained in overland flow before it enters the receiving environment.
Shaft	Collective term for ventilation and egress shafts.
Shepherds ELF	Shepherds Valley Engineered Landform.
Shepherds Service Corridor	An all-purpose service corridor along Shepherds Valley that will enable the safe routing of power, raw water, potable water, communications, wastewater, tailings, TSF decant water, seepage and light vehicles in a relatively cross section.



Term	Meaning
Shepherds Seepage Collection Sump	An HDPE lined seepage collection sump located at the toe of the Shepherds ELF to collect seepage from the TSF and Shepherds ELF underdrainage.
Shepherds Silt Pond	A large sediment retention pond located immediately downstream of the Shepherds Seepage Collection Sump (and the Shepherds ELF and TSF) that has a total volume of approximately 100,000 m³ and will permanently hold approximately 30,000 m³ of contingency water to allow mining operations to continue if water supply from the Bendigo Aquifer borefield is interrupted. The silt pond will be designed like a water storage earth embankment dam with a decant tower to control outflow rates from the pond
Shepherds Stream Diversion	The 3.1 km length of Shepherds Creek that will be permanently realigned against the northern (true right) valley wall of Shepherds Creek during construction of the Shepherds Service Corridor in the form of a rehabilitated diversion channel.
Shepherds Valley Site	The reclamation of an approximately 3.1 km length of Shepherds Creek to establish an all-purpose service corridor, located within a visually screened location within the lower Shepherds Valley.
Significant Natural Area	Areas of significant terrestrial indigenous vegetation or significant habitats of indigenous fauna located either on land or in freshwater environments identified in District Plans.
Silt ponds	A pond for capturing run off water which has not intercepted potentially acid forming rock for the purpose of intercepting hydrocarbons and allowing the settling of sediments prior to discharge to the local environment.
Srex	Area of land with gold resource containing a Mineral Resource Estimation (2021) of 174,000oz of gold at a grade of 1.1g/t.



Term	Meaning
Srex East	Area of land with gold resource containing a Mineral Resource Estimation (2021) of 11,000oz of gold at a grade of 1.3g/t.
SRX ELF	Rise and Shine Valley Engineered Landform.
State Highway 8	Located 6km northwest of the Project providing access to Cromwell to the south and Tarras to the north.
Stoping	The opening of large underground rooms, or stopes, by the excavation of ore.
Supporting Infrastructure and Activities	Any infrastructure and/or activities established or undertaken for the purpose of facilitating mining operations, including buildings, structures, security fencing, use and maintenance of access tracks and roads, installation of pipelines, culverts, windrows, channels, silt ponds, sediment traps, monitoring equipment, communications towers, temporary generators and refuelling activities.
Surrounding Landscape	The area within the Ecological Study Area that is not part of the DDF.
Tailings Storage Facility	Engineered structures designed and constructed to hold mineral waste (tailings) generated after the gold has been recovered at the processing plant.
Thompsons Gorge Fault	Fault that forms upper limit of mineralisation and forms the boundary between TZ3 and TZ4.
Thomsons Saddle	Area of land with gold resource but no Mineral Resource Estimation.
TSF-Wetland	A 6-ha wetland established on the TSF at closure of the Site.
Ventilation	Necessary for air circulation and to provide emergency exits from the Rise and Shine Pit.
Water Treatment Plant	Used to treat water from mining operations prior to discharging this water into the Shepherds Clean Water Diversion Channel during mine closure.



Term	Meaning
Watercourse	A natural or artificial channel through which water flows.
Western ELF	Engineered Landform in an unnamed tributary of the Rise and Shine Creek.
Western Silt Pond	A silt pond located in the ephemeral creek downstream of the Western ELF to prevent silt from entering Clearwater Creek.
Wetland	Defined in s2(1) of the RMA to include “... <i>permanently or intermittently wet areas, shallow water, and land water margins that support a natural ecosystem of plants and animals that are adapted to wet conditions</i> ”.

