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PART A

OceanaGold (New Zealand) Limited
Macraes Phase 4

SUBSTANTIVE APPLICATION REPORT

PART A – SUBSTANTIVE APPLICATION

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LIST OF ACRONYMS

Term	Meaning
2GP	Dunedin City Council Second Generation Plan
AEE	Assessment of Environmental Effects
AFFF	Aqueous film-forming foams
AMMP	Avifauna Monitoring and Management Plan
ANFO	Ammonium nitrate fuel oil
AQMP	Air Quality Management Plan
BOAM	Biodiversity Offset Accounting Model
CCC	Criterion continuous concentration
CCP1	Continuity Consent Project 1
CCP2	Continuity Consent Project 2
CIA	Cultural Impact Assessment
Crown Minerals Act	Crown Minerals Act 1991
CSMP	Contaminated Site Management Plan
DCC	Dunedin City Council
DOC	Department of Conservation
DSI	Detailed Site Investigation
ED	Ecological District
EGL	Engineering Geology Limited
EPA	Environmental Protection Authority

Term	Meaning
ESCP	Erosion Sediment Control Management Plan
Fisheries Regulations	Freshwater Fisheries Regulations 1983
FMP	Fish Management Plan
FMU	Freshwater Management Unit
FOS	Factor of Safety
Frasers BF	Frasers Backfill
FRUG	Frasers Underground Mine
FTAA	Fast-track Approvals Act 2024
FTE	Full Time Equivalent
GCMP	Ground Control Management Plan
GDP	Gross Domestic Product
GFA	Ground floor area
GPUG	Golden Point Underground Mine
HAIL	Hazardous Activities and Industries List
Heritage Act	Heritage New Zealand Pouhere Taonga Act 2014
Hg	Mercury
HNZPT	Heritage New Zealand Pouhere Taonga
HSNO Act	Hazardous Substances and New Organisms Act 1996
HSW-HS	Health and Safety at Work (Hazardous Substances) Regulations 2017
IAIA	International Association for Impact Assessment

Term	Meaning
IAQM	Institute of Air Quality Management
IBCs	Intermediate Bulk Containers
IDF	Inflow Design Flood
IMMP	Invertebrate Management and Monitoring Plan
ITA	Integrated Transport Assessment
LMMP	Lizard Management Plan
LRSMP	Landscape Rehabilitation Strategy and Management Plan
LUC	Land Use Capability
MBIE	Ministry for Business, Innovation and Employment
MC01	Murphys Creek 01
MEEA	Murphys Ecological Enhancement Area
MfE	Ministry for the Environment
MIC	Maximum instantaneous charge
MMPMZ	Macraes Mining Project Mineral Zone
MP3	Macraes Phase III Project
MP4 or the Project	Macraes Phase 4 Project
MPWQMP	Macraes Phase 4 Water Quality Management Plan
MTI	Mixed Tailings Impoundment
MWM	Mine Waste Management
MWMS	Mine Water Management System



Term	Meaning
NAVMAP	Noise, Airblast and Vibration Monitoring Plan
NBWRRF	North Branch Waikouaiti River at Ross Road Ford
NES-AQ	National Environmental Standards for Air Quality Regulations 2004
NES-CS	National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health 2011
NES-DW	National Environmental Standards for Sources of Human Drinking Water Regulations 2007
NES-F	National Environmental Standards for Freshwater 2020
NES-STO	Resource Management (National Environmental Standards for Storing Tyres Outdoors) Regulations 2021
NPS-EN	National Environmental Statement for Electricity Network 2026
NPS-FM	National Policy Statement for Freshwater Management 2020
NPS-HPL	National Policy Statement for Highly Productive Land 2022
NPS-IB	National Policy Statement for Indigenous Biodiversity 2023
NPS-REG	National Policy Statement for Renewable Energy Generation 2025
NRMP	Kāi Tahu Ki Otago Natural Resource Management Plan 2005
NZHPT	Heritage New Zealand Pouhere Taonga
OceanaGold	OceanaGold Corporation
OGNZL or the company	OceanaGold (New Zealand) Limited

Term	Meaning
OMS	Operations, Maintenance and Surveillance
ORC	Otago Regional Council
PCEP	Pest Control and Elimination Plan
PFAS	Per- and polyfluoroalkyl substances
PIC	Potential Impact Classification
POX	Pressure oxidation
PSI	Preliminary Site Investigation
Regional Air Plan	Regional Plan: Air for Otago
Regional Water Plan	Regional Plan: Water for Otago
REMP	Residual Effects Management Plan
REMP-PM	Residual Effects Management Plan for Pest Management
RETRP	Residual Effects Terrestrial Restoration Plan
RMA	Resource Management Act 1991
ROMU	Remote Operated Mining Units
RPS	Otago Regional Policy Statement
RTZ	Residential Transition Overlay Zone
SCP	Stream Compensation Plan
SEV	Stream Ecological Valuation
SIA	Social Impact Assessment
SLUR	Selected Land Use

Term	Meaning
SMP-GC	Site Management Plan – Ground Contamination
SNA	Significant Natural Area
SO ₂	Sulphur dioxide
SPZMM	Special Purpose Zone: Macraes Mining
SSESCP	Site Specific Erosion and Sediment Control Plan
TAR	Threatened and At Risk
TARP	Trigger Action Response Plan
TPMP	Threatened Plant Management Plan
TSF	Tailings Storage Facility
TSS	Total Suspended Solids
WAD	Weak acid dissociable
Water Take Regulations	Measurement and Reporting Water Takes Regulations 2010
WDC	Waitaki District Council
WHO	World Health Organisation
Wildlife Act	Wildlife Act 1953
WMMP	Wetland Management and Monitoring Plan
WNP	Waihi North Project
the Workshop	Open Pit Mining Workshop
WRP	Wetland Restoration Plan
WRS	Waste Rock Stack

Term	Meaning
WTP	Water treatment plant
WWLA	Williamson Water & Land Advisory

GLOSSARY OF TERMS

Term	Meaning
Active Mining	A landform comprising Disturbed Land that is actively required for mining activities. These areas remain under active management for operational purposes and do not include rehabilitation, decommissioning or closure activities.
Building	Any temporary or permanent structure.
Building Work	Work for or in connection with the construction, alteration, operation, demolition or removal of a building and includes site work.
Closed or Closure	The overall process following the cessation of mining activities to establish and achieve the approved post-mining landform, land use and environmental outcomes, including rehabilitation, monitoring and any necessary management and maintenance works, such that only long-term monitoring or maintenance, if required, remains.
Classifiable Dam	A dam structure which has a height of 4 or more metres and stores 20,000 or more cubic metres volume of water or other fluid.
Compensation Package	Means the suite of ecological restoration, enhancement, establishment, protection and management measures undertaken to address the residual effects of the Project on indigenous biodiversity values. This includes, but is not limited to, wetland restoration and enhancement,

Term	Meaning
	indigenous vegetation restoration, tussock grassland restoration, rock-edge flora restoration, threatened and at-risk plant management, habitat protection and enhancement for indigenous fauna (including lizards, birds and invertebrates), removal of exotic pest plants including pines, fencing, stock exclusion, weed control, pest animal control, plant and soil salvage, revegetation, hydrological management, monitoring, maintenance and adaptive management undertaken in accordance with the relevant Management Plans.
Compliance Criteria	The ecological compliance criteria or drinking water compliance criteria of the project.
Consent Authority or Consent Authorities	For the purposes of these consents, means the Otago Regional Council, the Waitaki District Council and the Dunedin City Council and the and includes their successors and also includes any person to whom the Consent Authorities delegate or transfer any of their functions, powers and duties under the Resource Management Act 1991.
Consent Holder	Means OceanaGold New Zealand Limited, its successor, or any person(s) acting under the prior written approval of OceanaGold New Zealand Limited or its successor.
District Councils	The Waitaki District Council and the Dunedin City Council and includes their successors and also includes any person to whom the District Councils delegate or transfer any of their functions, powers and duties under the Resource Management Act 1991.
Disturbed Land	Any land where the soil has been removed or modified and includes any waste rock stacks, or any other structures that have not been rehabilitated with soil and vegetation.
Ecological Trigger Value	Water quality thresholds, generally derived from contemporary ecotoxicological guidelines and adjusted for

Term	Meaning
	site-specific conditions, that act as early warning indicators of potential ecological risk and trigger further investigation or management response when exceeded.
Existing consent	Means a resource consent held by the Consent Holder that relates to the Macraes Operation at the time these consents commence.
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.
Finger Storage Areas	Operational elongated storage bays or strips used for storing materials, equipment, waste rock, ore, containers, chemicals, scrap, or other operational materials.
Fuel Farm	A dedicated area for the on-site storage and dispensing of fuel, comprising fuel storage tanks, associated pipework, pumps, dispensers, containment systems, and related infrastructure.
Heavy Vehicle	A vehicle with a gross vehicle mass of more than 3,500 kilograms.
Interim Management	The management of mining landforms and assets during a planned, temporary cessation of mining activities to ensure they remain stable, compliant and capable of supporting future mining activities, but does not include decommissioning or closure.
Ka Rūnaka	Collectively: Te Rūnanga o Moeraki, Kāti Huirapa Rūnaka ki Puketeraki, and Te Rūnanga o Ōtākou

Term	Meaning
Landscape Architect	A professional member of the New Zealand Institute of Landscape Architects Inc or equivalent body.
Life of Macraes Operation	The period ending when all mining operations at Macraes cease.
Macraes Ecological District	The area described by the Department of Conservation (James Bibby), 1997: Macraes ecological district: survey report for the Protected Natural Areas Programme, ISBN 0478019254, 9780478019254 and as also defined in McEwen, W.M. (1987): Ecological regions and districts of New Zealand, incorporating third revised edition in four 1:500 000 maps (Part 4). New Zealand Biological Resources Centre publication No. 5. 125p + maps.
Macraes Village	The Macraes Township Zone identified on the Planning Maps 72 in the Waitaki District Plan, deemed operative on 23 August 2010
Mining	To take, win, or extract, by whatever means, a mineral existing in its natural state in land, or a chemical substance from that mineral, for the purpose of obtaining the mineral or chemical substance; but does not include prospecting or exploration; and "to mine" has a corresponding meaning.
Mining Operations	Means operations in connection with mining, exploring, or prospecting for any mineral, gold, including – (a) The extraction, transport, treatment, processing, and separation of any mineral or chemical substance from the mineral; and (b) 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 (c) The removal of overburden by mechanical or other means, and the stacking, deposit, storage, and



Term	Meaning
	treatment of any substance considered to contain any mineral; and (d) The deposit or discharge of any mineral, material, debris, tailings, refuse, or wastewater produced from or consequent on the operations; and (e) The doing of all lawful acts incidental or conducive to any such operations – when carried out at or near the site where the mining, exploration, or prospecting is carried out.
MP4 (RMA)	The MP4 application previously submitted under the RMA in 2025.
Notional boundary	Means a line 20 metres from any side of a dwelling or other building used for a noise sensitive activity, or the legal boundary where this is closer to such a building.
Operative WDP	The Operative Waitaki District Plan
Progressive rehabilitation	The rehabilitation of Disturbed Land that is no longer required for active mining activities or operational purposes, undertaken progressively throughout the life of the Macraes Operation. Progressive Rehabilitation may occur while mining and operational activities continue elsewhere within the relevant landform and shall be carried out in accordance with the applicable certified Management Plans. Progressive Rehabilitation is undertaken so that rehabilitated areas progressively achieve the approved final landform and closure outcomes prior to mine closure. Land that has been subject to Progressive Rehabilitation may be re-disturbed by future mining activities, subject to any required approvals.
Proposed WDP	The Proposed Waitaki District Plan
Prospecting	Any activity undertaken for the purpose of identifying land likely to contain mineral deposits or occurrences; and includes:



Term	Meaning
	(a) Geological, geochemical, and geophysical surveying; (b) Aerial surveying; and (c) The taking of samples by hand or hand-held methods; - and "to prospect" has a corresponding meaning.
Receiving water body	Means any river, stream, creek, wetland, lake or other surface water body into which water affected by the Macraes Operation or MP4 Project may be discharged, either directly or indirectly. This includes the Mare Burn, North Branch Waikouaiti River, Deepdell Creek, Shag River and associated tributaries.
Replacement consent	Means a consent granted as part of the MP4 Project that authorises activities previously authorised by an existing consent.
Rehabilitation	The works undertaken during operations and following mining to establish stable landforms, vegetation cover, water management features and other measures necessary to achieve the approved post-mining landform, land use and environmental outcomes.
Site work	A building site, including earthworks, preparatory to or associated with the construction, alteration, demolition or removal of a building.
Southern Pit TSF	The combines tailings storage facility located in the mined out Southern Pit comprising of the Southern Pit Option 10 Tailings Storage Facility and the Southern Pit Option 11A Tailings Storage Facility and their appurtenant structures.
Stock exclusion fencing	Means fencing designed, installed and maintained to prevent livestock access to a specified area and protect environmental, rehabilitation, restoration or conservation values from grazing and physical disturbance.
SP10	Southern Pit Option 10 Tailings Storage Facility



Term	Meaning
SP11	Southern Pit Option 11A Tailings Storage Facility
Structure	Any building, equipment, device, or other facility, made by people and which is fixed to land; and includes a dam and a waste rock stack.
Surrendered consent	Means an existing consent that has been surrendered, or is proposed to be surrendered, following commencement of the MP4 consents.
Superseded Condition	Means a condition of an existing consent that no longer applies because the same matter is addressed by an MP4 consent condition.
Survival	When the planted species handles local weather, water levels, and soil traits.
SQEP	Suitably qualified and experienced person which means a person who: > Holds relevant tertiary qualifications or professional accreditation appropriate to the subject matter of the work required by these conditions; or > Has a minimum of 5 years of professional experience in the assessment, design, implementation or monitoring of activities of the type required by these conditions; and > May be an employee of the Consent Holder, unless the condition(s) expressly require an independent SQEP.

Part A – Substantive Application

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