

OCEANAGOLD (NEW ZEALAND)
LIMITED

MACRAES PHASE FOUR (MP4)

**GOLDEN POINT UNDERGROUND
EXTENSION – MINE SUBSIDENCE
ASSESSMENT**

Evidence of Dr Michael Habte
Regarding Technical Assessment of
Golden Point Underground Mine
Subsidence Effects and Proposed
Conditions

10 August 2026

INTRODUCTION

1. My name is Dr Michael Habte
2. My role in relation to Macraes Phase 4 (“**MP4**”) has been to provide expert advice in relation to subsidence assessment of the Golden Point Underground Mine Extension. I wrote the 3D Numerical Analysis Section (Section 6) Macraes Phase Four project – Golden Point Underground Extensions – Mine Subsidence Assessment (PSM71-373R) (“**the Report**”) which is provided within *Part B – Technical Reports* of the application.
3. This evidence has been prepared to accompany the Report and the application by Oceana Gold (New Zealand) Limited (“**OGNZL**”) for approvals required for MP4 under the Fast-track Approvals Act 2024 (“**FTAA**”).
4. Section 4.1(h) of the FTAA Panel Conveners’ Practice and Procedure note (July 2025) says all technical experts authoring reports should include a statement regarding compliance with the Code of Conduct for Expert Witnesses. This evidence has been prepared to fulfil this requirement, and if a hearing is not held, this evidence confirms that, relative to my area of expertise the Report provides an appropriate description of the relevant environment, the proposed activities comprising the effects of the MP4 on that environment, and the way those effects are proposed to be managed.
5. My findings are set out in full in Section 6 of the Macraes Phase Four project – Golden Point Underground Extensions – Mine Subsidence Assessment (PSM71-373R) included within *Part B – Technical Reports* of the application.
6. While this application is not being considered by the Environment Court, I confirm that I have read the Code of Conduct for expert witnesses contained in the Environment Court of New Zealand Practice Note 2023 and that I have complied with it when preparing the Report. Other than when I state I am relying on the advice of another person, the Report is within my area of expertise. I have not omitted to consider material facts known to me that might alter or detract from the opinions that I express.

QUALIFICATIONS AND EXPERIENCE

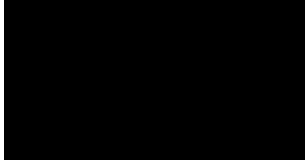
7. The following points list my relevant qualifications
 - a) Bachelor of Civil Engineering (with Distinction)
 - b) Master of Engineering Science in Geotechnical Engineering
 - c) PhD in Geotechnical Engineering
 - d) Chartered and Registered Professional Engineer (MIEAust, CPEng & NER 3098285)

- e) Registered Professional Engineer of Queensland (16023) (Civil & Structural)
 - f) Member, Australian Geomechanics Society
 - g) Member, Australian Tunnelling Society
8. I am currently employed as Principal Geotechnical Engineer and have held that position since 2016.
9. My previous work experience includes 17 years as geotechnical Engineer at PSM.
10. In providing this evidence, I have considered the following matters as relevant to that topic:
- (a) The project description provided by OGNZL as set out in Section 6 of the Substantive Application prepared by Mitchell Daysh Limited;
 - (b) The description of the existing environment as set out in Section 4 of the Substantive Application, the effects of MP4 on that environment and their significance, and the proposals to manage those effects as all set out in the assessment of effects in Section 9 of the Substantive Application; and ;
 - (c) The technical assessments of:
 - OGNZL's proposed underground mine layout,
 - Geotechnical model developed by PSM (PSM71-373R)
 - Observed performance of existing underground mine (PSM71-373R)
 - InSAR assessment of surface subsidence from previous mining (PSM71-373R)

CONFIRMATION OF CONTENTS OF REPORT AND PROPOSED CONDITIONS

11. I confirm that in my opinion the Report contains an accurate and appropriate description of the environment, the actual and potential effects of MP4, and the recommended actions to manage those effects within my area of expertise.
12. I confirm that in my opinion the contents of the Report may be relied on in making a decision on the approvals sought for MP4, and confirm that provided effects within my area of expertise are managed as proposed in the application those effects will not be unacceptable and will be managed to a standard that I consider meets good practice.

13. I confirm that I have reviewed the conditions that OGNZL proposes for the various approvals being sought as they relate to my area of expertise. I confirm that in my opinion those proposed conditions are appropriate.



Michael Habte

Dated this 10th day of August 2026