

OCEANAGOLD (NEW ZEALAND)
LIMITED

MACRAES PHASE FOUR (MP4)

Geotechnical Stability Assessments of Open Pits Extensions, Ex-pit Waste Rock Stacks, Frasers TSF Impoundment Slope Stability and Underground Mine Subsidence.

Evidence of Richard Brehaut Regarding
Technical Assessment of Geotechnical
Stability associated with Open Pit
Extensions, Frasers Tailings Storage
Stage 3 Impoundment, Ex-Pit Waste
Rock Stacks and Golden Point
Underground Mine Subsidence
including Effects and Proposed
Conditions

7 August 2026

INTRODUCTION

1. My name is Richard Brehaut
2. My role in relation to Macraes Phase 4 (“**MP4**”) has been to provide expert advice in relation to geotechnical stability of open pit extensions. Frasers TSF Stage3 impoundment, ex-pit waste rock stacks. I oversaw and reviewed the follow documents (“**the Reports**”) which are provided within *Part B – Technical Reports* of the application:
 - a. Macraes Phase Four Project – Open Pit Extensions – Geotechnical Stability (PSM71-363R)
 - b. Macraes Phase Four Project – Golden Point Underground Extensions – Mine Subsidence Assessment (PSM71-373R)
 - c. Macraes Phase Four Project - Open Pit Stability Assessment for Frasers Tailings Storage Stage 3 (PSM71-376R)
 - d. Macraes Phase Four Project – Waste Rock Stacks – Geotechnical Stability (PSM71-375R).
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 the following reports, included within *Part B – Technical Reports* of the application.
 - a. Macraes Phase Four project – Open Pit Extensions – Geotechnical Stability (PSM71-363R)
 - b. Macraes Phase Four Project – Golden Point Underground Extensions – Mine Subsidence Assessment (PSM71-373R).
 - c. Macraes Phase Four Project – Waste Rock Stacks – Geotechnical Stability (PSM71-375R)
 - d. Macraes Phase Four Project – Open Pit Stability Assessment for Frasers Tailings Storage Facility Stage 3 (PSM71-376R)

Macraes Phase Four (MP4) – Evidence of Richard Brehaut Regarding Technical Assessment of Geotechnical Stability for Open Pit Extensions, Waste Rock Stacks and Frasers Tailings Storage Stage 3 Impoundment and Mine Subsidence Assessments including Effects and Proposed Conditions

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 Science in Geology
 - b) Master of Science (Engineering Geology) (First Class Honours)
 - c) Member of the Australian Geomechanics Society
 - d) Member of the International Association for Engineering Geology and the Environment (IAEG)
8. I am currently employed as Principal Engineering Geologist and have held that position since 2021.
9. My previous work experience includes 12 years as an Engineering Geologist 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 The technical assessments of:
 - a. EGL (2026) Macraes Phase 4, Frasers Tailings Storage Facility Stage 3 Technical Report. 19 June 2026
 - b. EGL (2026) Macraes Phase 4, MTI and SP11A Technical Report. 3 July 2026
 - c. EGL (2026) Macraes Phase 4, Macraes Road Realignment Stage 2 Technical Report. 29 July 2026
 - d. GHD (2026). Macraes Phase 4 FTA, Surface and Groundwater Assessment. 6 August 2026;

Macraes Phase Four (MP4) – Evidence of Richard Brehaut Regarding Technical Assessment of Geotechnical Stability for Open Pit Extensions, Waste Rock Stacks and Frasers Tailings Storage Stage 3 Impoundment and Mine Subsidence Assessments including Effects and Proposed Conditions

(c) OGNZL (2026) Ground Control Management Plans for both Open Pits and Public Roads

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.



Richard Brehaut

Dated 7 August 2026