

RC14513 / COASTAL PROTECTION STRUCTURE AND ASSOCIATED ACTIVITIES

SUMMARY STATEMENT OF JAMES WHITLOCK - ACOUSTIC ENGINEER

This summary highlights the key matters addressed in my statement of evidence dated 25 July 2025.

Key Matters

1. I have measured noise and vibration of representative revetment construction activities at the site. I used this data, and conventional acoustic modelling, to predict noise and vibration levels at all dwellings in the vicinity, including those owned by the Applicant.
2. I predict that all construction activities will comply with the relevant noise and vibration limits at all receivers, with the exception of a 2 dB noise infringement at the closest Applicant-owned property.
3. Several submitters have expressed concern about vibration-induced damage to dwellings, but my measurements on site and calculations indicate this risk is very low.
4. Council's planner and acoustic expert agree with my findings, and I agree with the conditions they have proposed to manage noise and vibration effects (notwithstanding a small typo I noticed in their draft conditions).
5. As part of the Section 41A response, I calculated noise and vibration levels from an alternative revetment location which is slightly closer to all dwellings. I predict this would increase noise and vibration for all dwellings, but only one additional Applicant-owned dwelling would infringe the noise limit.