

Nicola Hornsey

From: Ross Ivey <glentanner@xtra.co.nz>
Sent: Thursday, 1 May 2025 2:05 pm
To: Nicola Hornsey
Subject: Fwd: Dawn aircraft noise at Glentanner

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Begin forwarded message:

From: James Powell <james@dawnaerospace.com>
Date: 29 April 2025 at 9:20:10 PM NZST
To: Glentanner <glentanner@xtra.co.nz>
Subject: Dawn aircraft noise at Glentanner

Dear Ross,

I am writing to provide a formal affidavit summarizing the observations and noise measurements related to dawn flight operations at Glentanner in September 2024, as requested.

At the request of the Department of Conservation (DoC), two DoC rangers conducted observations in September 2024 to assess the impact of Dawn flights at Glentanner on local bird populations. At the time of particular interest was the influence of noise on the endangered Kaki, which were in a sensitive nesting period. We were fully supportive of this initiative and worked closely with the DoC Twizel Office to facilitate the assessment. The rangers' observations concluded that there was no impact, with the Dawn flights having no noticeable effect on the local birds at the time.

Our noise measurements indicate that the sound produced by the aircraft is comparable to that of an AS350 helicopter, a type commonly operated in the area. The closest possible location for Kaki nesting sites in the riverbed is approximately 340 meters from the runway. At a distance of 200 meters, the noise level does not require hearing protection for people and is not considered unpleasant. Specifically, at 340 meters, the noise level is approximately 85 dB for a duration of a few seconds. In general, the noise level is no more severe than the noise produced by many common turbine-powered aircraft, including helicopters and jet aircraft. It should be noted that the engine of the Dawn aircraft is substantially smaller than that of commercial aircraft operated at Glentanner.

Please let me know if you require further details or additional documentation to support this affidavit.

Sincerely,



JAMES POWELL

Co-founder, CFO, Spaceplane Chief Engineer

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