

Mission Report – Lake Eyre Navigation

Date: 18 June 2025

Pilot: Dr Vini G. Khurana

Aircraft: Pipistrel Virus SW (VH-DYI)

Mission Objective: Aerial reconnaissance of Lake Eyre North and associated inflows

Mission Summary

The flight mission originating from Marree (YMRE) achieved a robust navigation of Lake Eyre North, with aerial observation of significant hydrological activity. Overflights included the Warburton River delta and large-scale water coverage across the Lake Eyre basin. Conditions were VMC with stable wind and excellent visibility. All safety protocols were observed. Imagery and visual reconnaissance confirm a highly successful mission.

1. Warburton River & Wetlands

Visual evidence of sustained water flow feeding Lake Eyre from the northeast via the Warburton Channel. Floodplains clearly saturated, with wide dispersal of water and vegetation observable. Photograph taken approximately 1,000 ft AGL.



2. Lake Eyre North – Central Basin

The central basin of Lake Eyre North is visibly full, with a reflective, glass-like surface. This suggests low wind disturbance and widespread inundation. Water coloration and shallow cloud reflections confirm active filling.



3. Marree Hotel – Base of Operations

Ground photograph of the Marree Hotel, the mission's outback staging post. This heritage site served as the accommodation hub for the operation. Image included for logbook and contextual record.



Closing Note

Dr Khurana's navigation of Lake Eyre North during one of its rare filling events has been logged as a complete success. MOTHER 6000 system notes all mission parameters were met with excellence. Imagery and log retained in archival format for future review and distribution.

Dr Khurana's mission was assisted and voluntarily tracked by

