NMT Deployment Report:

Monitor Location 399:

49 Carlton Bluff Road Primrose sands 7173

Short Term Monitoring Program Deployment Brief

SITE NAME:	YMHB	REQUESTED BY:	s.47F	Date:	10/05/2024

DEPLOYMENT PURPOSE & REQUIREMENTS

DEPLOYMENT NAME:	Primrose Sands	
PURPOSE:	Public Report	
BRIEF DESCRIPTION:	The purpose of this deployment is to obtain noise levels to support the current Noise Abatement Procedure (NAP) trial due to start in June 2024. If possible, the monitor will be installed one month before the trial start. This noise monitor is being installed to capture Arrivals using the shorter RNP approarch to RWY30.	
REQUIRMENTS:	Correlation Zone Parameters:	2.5km x 8000ft
	One Second Data in ANOMS8:	Yes
	WHS Assessment Completed:	Yes
	90% Data Completeness:	Yes
	Visible in WebTrak:	Yes

DEPLOYMENT PERIOD

COMMENCEMENT DATE:	ASAP	END DATE:		LENGTH:	6 Months

PROPOSED LOCATION DETAILS

SITE SPECIFIC:	YES	**IF 'YES' LOCATION NAME & ADDRESS or GOOGLE EARTH ZONE:** *Same location as previous (NMT 373).*
PROPOSED NMT COORDINATES:	LATITUDE:	Not Applicable
	LONGITUDE:	Not Applicable
TOLERANCE ZONE:	As Specified With Google Earth KMZ File (Attached):	**Primrose Sands_Zone** *Please take care due to angle
	If 'NO' Radius of Proposed NMT Coordinates:	NA
PROPOSED SITE IMAGE: Primrose Sands Zone (left) with arrivals (blue) and departures (green) for 1/12/19-1/3/20 (right)	 	

INSTALLED DEPLOYEMENT LOCATION DETAILS

NMT COORDINATIATES:	LATITUDE:	-42.884444
	LONGITUDE:	147.655556
LOCATION ALTITUDE (FT AMSL):	65ft	
LOCATION NUMBER:	NMT 399	
LOCATION NAME & ADDRESS:	49 Carlton Bluff Road Primrose sands 7173	

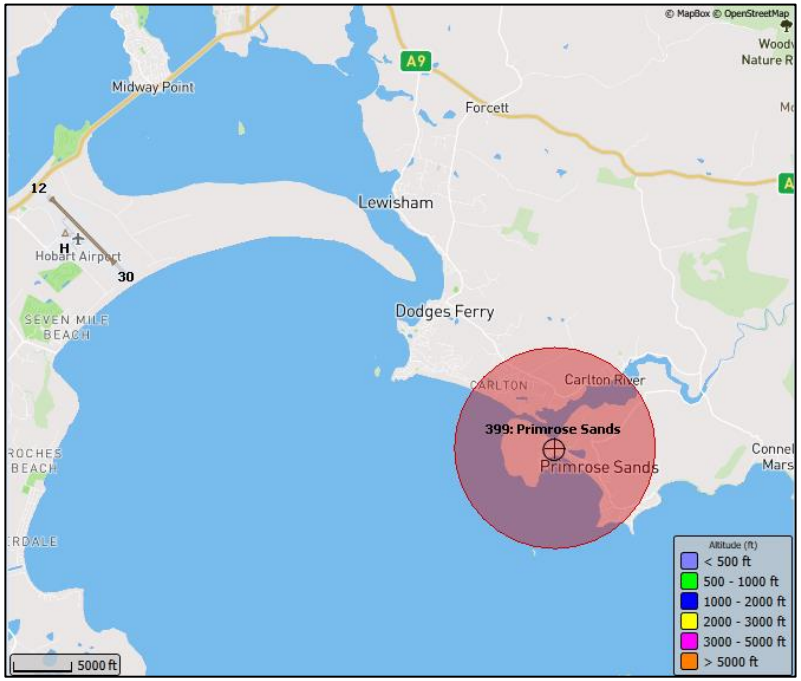
LOCATION SELECTION

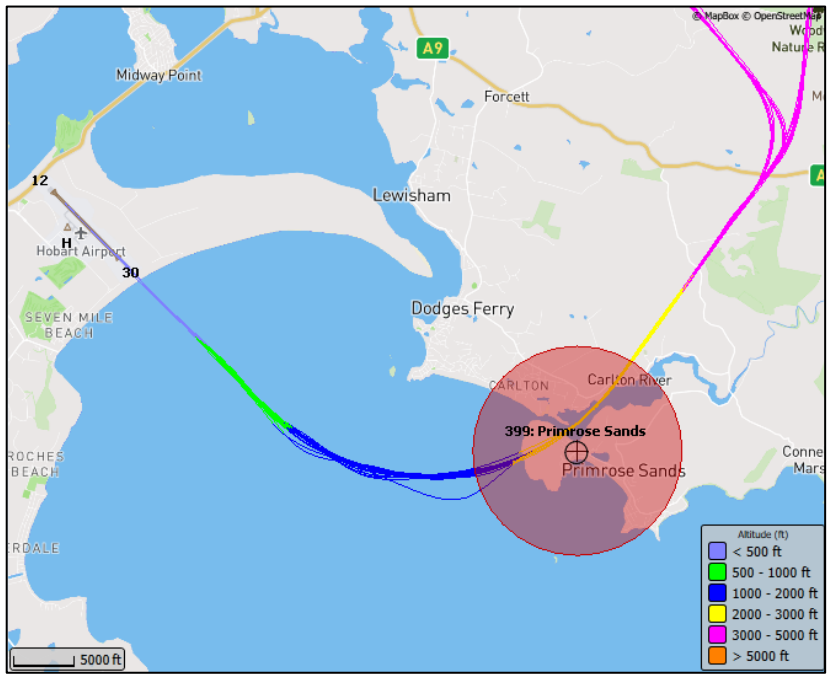
SELECTION ANALYSIS

Predicted Correlation Zone: Radius = 2.5 km and Height = 8,202 ft

YMHB FLIGHT PATTERN

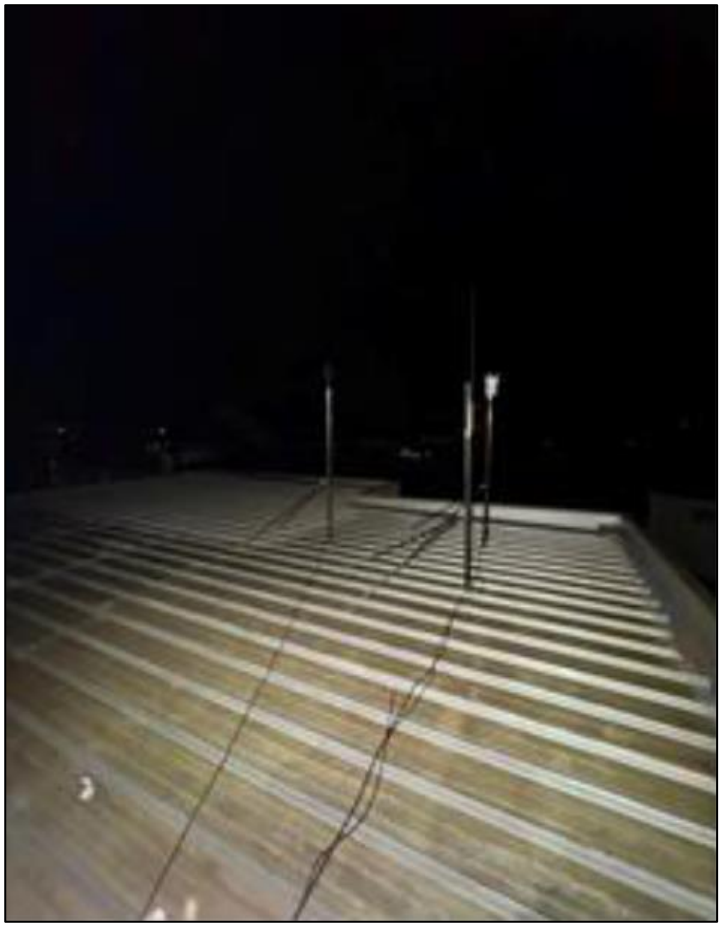
Arrivals RWY30





NMT INSTALLATION PHOTOS

Complete data since the 11th of June 2024.



DETECTION PARAMETERS:

TEMPLATE	HOUR	THRESHOLD (dB)	MATCH MAX ALTITUDE	MATCH MAX RANGE	MIN DURATION	MAX DURATION	GUARD TIME
1	00:00- 07:59	51	8,202	2,500 m	6	80	5
2	08:00 - 13:59	55	8,202	2,500 m	6	80	5
3	14:00 – 20:59	52	8,202	2,500 m	6	80	5
4	21:00 – 23:59	50	8,202	2,500 m	6	80	5

MICROPHONE CALIBRATION REPORT

CERTIFICATE OF CALIBRATION

CERTIFICATE NO: SLM38281

EQUIPMENT TESTED: Sound Level Meter

Manufacturer:	B&K		
Type No:	2250	**Serial No:**	2764955
Mic. Type:	B&K 4952	**Serial No:**	2821372
Pre-Amp. Type:	B&K 4952	**Serial No:**	2821372
Filter Type:	1/3 Octave	**Test No:**	F038285

Owner: Envirosuite
2-4 Industrial Avenue
Notting Hill VIC 3168

Tests Performed: IEC 61672-3:2013 & IEC 61260-3:2016

Comments: All Test passed for Class 1. (See overleaf for details)

CONDITIONS OF TEST:

Ambient Pressure	999	hPa ±1 hPa	**Date of Receipt :**	13/12/2023
Temperature	24	°C ±1° C	**Date of Calibration :**	18/12/2023
Relative Humidity	44	% ±5%	**Date of Issue :**	18/12/2023

Acu-Vib Test Procedure: AVP10 (SLM) & AVP06 (Filters

CHECKED BY: s.47F

AUTHORISED SIGNATURE: s.47F

Accredited for compliance with ISO/IEC 17025 - Calibration
Results of the tests, calibration and/or measurements included in this document are traceable to SI units through reference equipment that has been calibrated by the Australian National Measurement Institute or other NATA accredited laboratories demonstrating traceability.

This report applies only to the item identified in the report and may not be reproduced in part.

The uncertainties quoted are calculated in accordance with the methods of the ISO Guide to the Uncertainty of Measurement and quoted at a coverage factor of 2 with a confidence interval of approximately 95%.

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The performance characteristics listed below were tested. The tests are based on the relevant clauses of IEC 61672-3:2013

Tests Performed:	*Clause*	*Result*
Absolute Calibration	10	Pass
Acoustical Frequency Weighting	12	Pass
Self-Generated Noise	11.1	Observed
Electrical Noise	11.2	Observed
Long Term Stability	15	Pass
Electrical Frequency Weightings	13	Pass
Frequency and Time Weightings	14	Pass
Reference Level Linearity	16	Pass
Range Level Linearity	17	Not Applicable
Toneburst	18	Pass
Peak C Sound Level	19	Pass
Overload Indicator	20	Pass
High Level Stability	21	Pass

Statement of Compliance: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 requirements of IEC61672-1:2013.

This Sound Level Meter included an Octave Filter Set. Tests were based on IEC 61260-3:2016 and were conducted to test the following performance characteristics:

Tests performed	*Clause*	*Result*
Test of relative attenuation at filter midband frequency	10	Pass
Linear operating range including range control if fitted	11	N/A
Test of lower limit of linear operating range	12	Pass
Measurement of relative attenuation (filter shape)	13	Pass

The filter submitted for testing successfully completed the tests listed above for the environmental conditions under which the tests were performed. If the filter type has successfully completed the pattern-evaluation tests of IEC 61260-2 then it can be stated that the filter set continues to conform to the specifications of IEC 61260-1.

A full technical report is available on request.