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# NMT Deployment Report:

## Monitor Location 46:

583 Fulham Road, Dunalley, Tas 7177

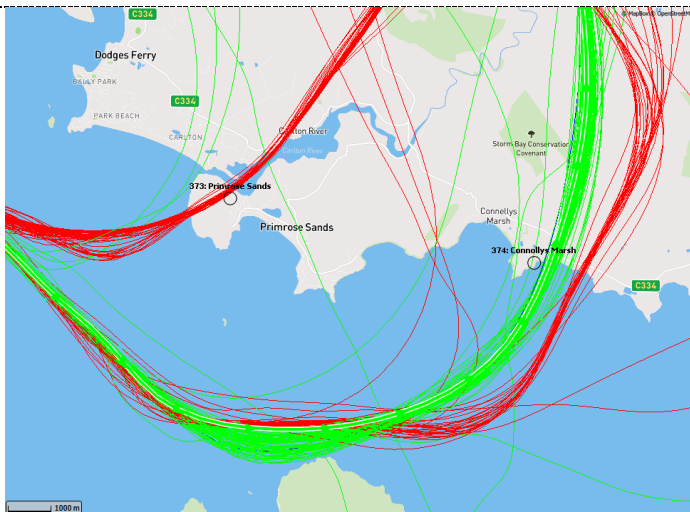
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## TEMPORARY NOISE MONITORING PROGRAM

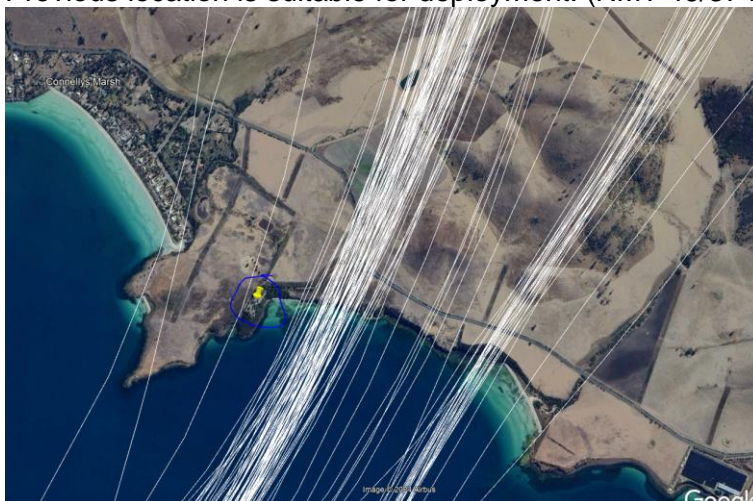
## Short Term Monitoring Program Deployment Brief

<b>SITE NAME:</b>	YMHB	<b>REQUESTED BY:</b>	s.47F	<b>Date:</b>	10/15/2024
<b>DEPLOYMENT PURPOSE &amp; REQUIREMENTS</b>					
<b>DEPLOYMENT NAME:</b>	Connelly's Marsh				
<b>PURPOSE:</b>	Public Report				
<b>BRIEF DESCRIPTION:</b>	<p>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 longer RNAV approach to RWY30.</p> <p>(Note that a weather station would be appropriate at this location. Wind was also measured on the previous deployment)</p>				
<b>REQUIREMENTS:</b>	<b>Correlation Zone Parameters:</b>	2.5km x 8000ft			
	<b>One Second Data in ANOMS8:</b>	Yes			
	<b>WHS Assessment Completed:</b>	Yes			
	<b>90% Data Completeness:</b>	Yes			
	<b>Visible in WebTrak:</b>	Yes			
<b>DEPLOYMENT PERIOD</b>					
<b>COMMENCEMENT DATE:</b>	ASAP	<b>END DATE:</b>		<b>LENGTH:</b>	6 Months
<b>PROPOSED LOCATION DETAILS</b>					
<b>SITE SPECIFIC:</b>	YES	<b>IF 'YES' LOCATION NAME &amp; ADDRESS or GOOGLE EARTH ZONE:</b>			
		Same location as previous (NMT 46/374)			
<b>PROPOSED NMT COORDINATES:</b>	<b>LATITUDE:</b>	Not Applicable			
	<b>LONGITUDE:</b>	Not Applicable			
<b>TOLERANCE ZONE:</b>					Connelly's Marsh_Zone
	If 'NO' Radius of Proposed NMT Coordinates:				NA
<b>PROPOSED SITE IMAGE:</b>	<p>Connelly's Marsh Zone (left) with arrivals (blue) and departures (green) for 1/12/19-1/3/20 (right)</p>				

TEMPORARY NOISE MONITORING PROGRAM



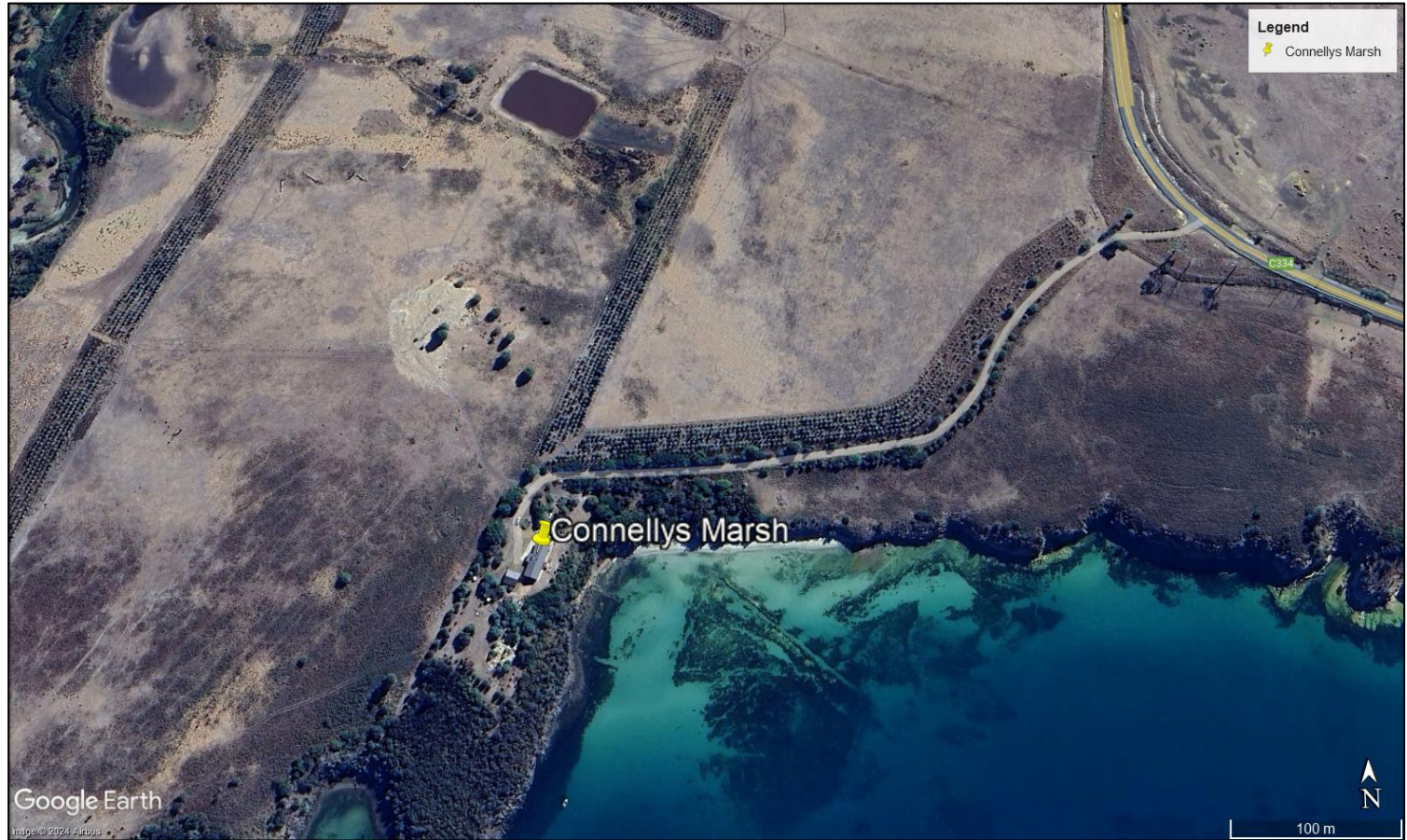
Previous location is suitable for deployment: (NMT 46/374)



**INSTALLED DEPLOYMENT LOCATION DETAILS**

<b>NMT COORDINATES:</b>	<b>LATITUDE:</b>	-42.895000
	<b>LONGITUDE:</b>	147.735000
<b>LOCATION ALTITUDE (FT AMSL):</b>	66	
<b>LOCATION NUMBER:</b>	NMT46	
<b>LOCATION NAME &amp; ADDRESS:</b>	583 Fulham Road, Dunalley, Tas 7177	

# LOCATION SELECTION



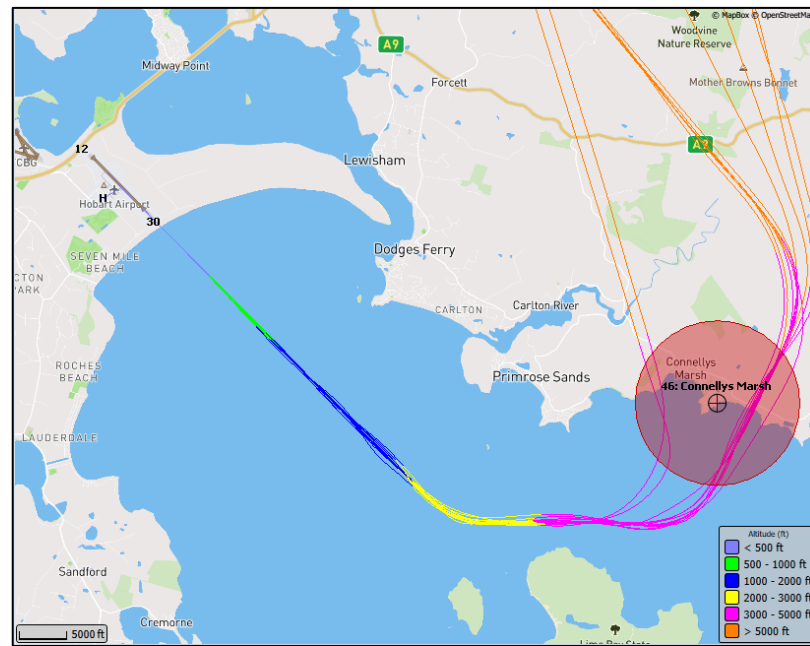
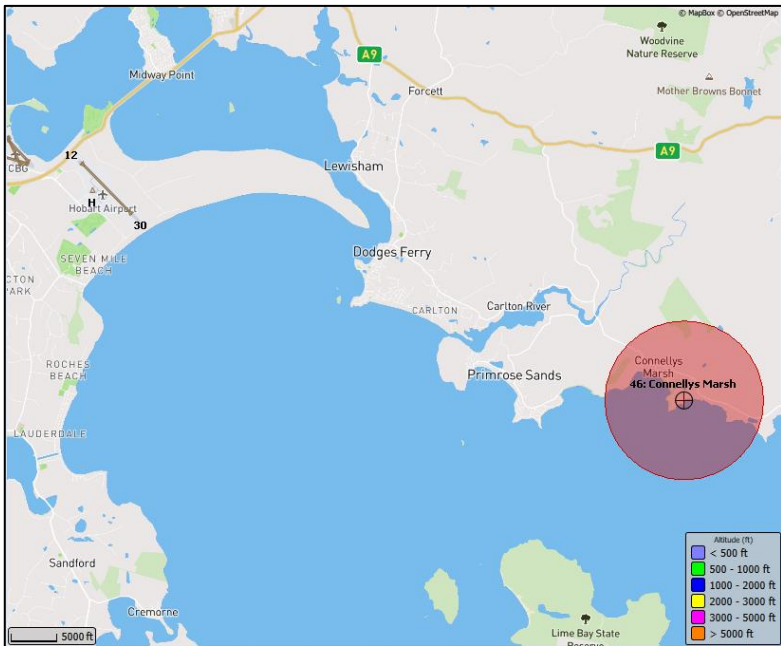
TEMPORARY NOISE MONITORING PROGRAM

**SELECTION ANALYSIS**

Predicted Correlation Zone: Radius = 2.5 km and Height = 13,123 ft

**YMHB FLIGHT PATTERN**

**Arrivals RWY30**



## NMT INSTALLATION PHOTOS

Complete data since the 7<sup>th</sup> of June 2024.



SHORT TERM MONITORING PROGRAM

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DETECTION PARAMETERS:

TEMPLATE	HOUR	THRESHOLD (dB)	MATCH MAX ALTITUDE	MATCH MAX RANGE	MIN DURATION	MAX DURATION	GUARD TIME
1	00:00- 04:59	43	13,123 ft	2,500 m	6	80	5
2	05:00 - 09:59	45	13,123 ft	2,500 m	6	80	5
3	10:00 – 11:59	50	13,123 ft	2,500 m	6	80	5
4	12:00 – 23:59	49	13,123 ft	2,500 m	6	80	5





## SHORT TERM MONITORING PROGRAM

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

Tests Performed:	Clause	Result
<i>Absolute Calibration</i>	10	Pass
<i>Acoustical Frequency Weighting</i>	12	Pass
<i>Self-Generated Noise</i>	11.1	Observed
<i>Electrical Noise</i>	11.2	Observed
<i>Long Term Stability</i>	15	Pass
<i>Electrical Frequency Weightings</i>	13	Pass
<i>Frequency and Time Weightings</i>	14	Pass
<i>Reference Level Linearity</i>	16	Pass
<i>Range Level Linearity</i>	17	Not Applicable
<i>Toneburst</i>	18	Pass
<i>Peak C Sound Level</i>	19	Pass
<i>Overload Indicator</i>	20	Pass
<i>High Level Stability</i>	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 IEC 61672-1:2013.

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
<i>Test of relative attenuation at filter midband frequency</i>	10	Pass
<i>Linear operating range including range control if fitted</i>	11	N/A
<i>Test of lower limit of linear operating range</i>	12	Pass
<i>Measurement of relative attenuation (filter shape)</i>	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.