



NMT Deployment Report:

Monitor Location 400:

74 Imlay Street, Dunalley, Tas 7177

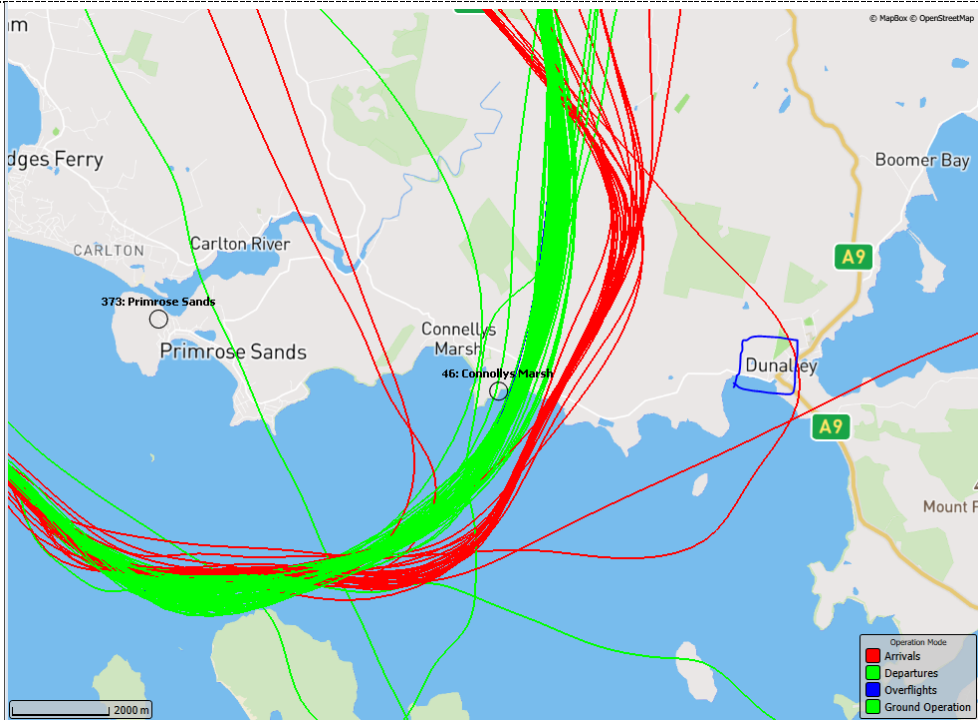
TEMPORARY NOISE MONITORING PROGRAM

Short Term Monitoring Program Deployment Brief

SITE NAME:	YMHB	REQUESTED BY:	s.47F	Date:	10/05/2024
DEPLOYMENT PURPOSE & REQUIREMENTS					
DEPLOYMENT NAME:	Dunalley				
PURPOSE:	Public Report				
BRIEF DESCRIPTION:	<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>The proposed zone is located on the western side of Dunalley closest to the RNAV flight path. This location should provide general information about aircraft noise in Dunalley and capture any aircraft that deviate from the defined flight path.</p>				
REQUIREMENTS:	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:	No	IF 'YES' LOCATION NAME & ADDRESS or GOOGLE EARTH ZONE:			
		<i>KML zone provided.</i>			
PROPOSED NMT COORDINATES:	LATITUDE:	Not Applicable			
	LONGITUDE:	Not Applicable			
TOLERANCE ZONE:	As Specified With Google Earth KMZ File (Attached):			*Please take care due to angle	
	If 'NO' Radius of Proposed NMT Coordinates:			NA	

TEMPORARY NOISE MONITORING PROGRAM

PROPOSED SITE IMAGE:
Primrose Sands Zone (left)
with arrivals (blue) and
departures (green) for
1/12/19-1/3/20 (right)



INSTALLED DEPLOYMENT LOCATION DETAILS

TEMPORARY NOISE MONITORING PROGRAM

NMT COORDINATES:	LATITUDE:	-42.881944
	LONGITUDE:	147.813055
LOCATION ALTITUDE (FT AMSL):	65	
LOCATION NUMBER:	400	
LOCATION NAME & ADDRESS:	74 Imlay Street, Dunalley, Tas 7177	

LOCATION SELECTION



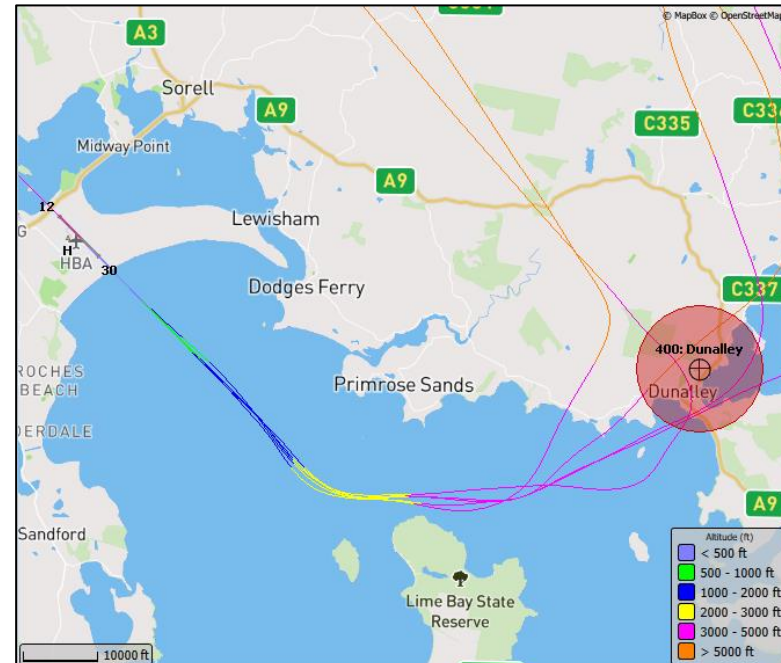
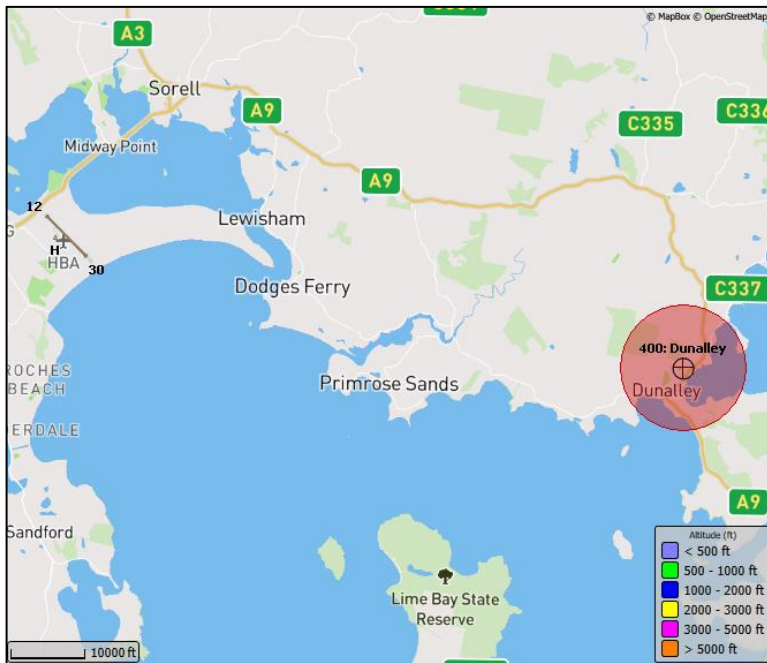
TEMPORARY NOISE MONITORING PROGRAM

SELECTION ANALYSIS

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

YMHB FLIGHT PATTERN

Arrivals RWY30



TEMPORARY NOISE MONITORING PROGRAM

NMT INSTALLATION PHOTOS

Complete data since the 11th of June 2024.



SHORT TERM MONITORING PROGRAM

DETECTION PARAMETERS:

TEMPLATE	HOUR	THRESHOLD (dB)	MATCH MAX ALTITUDE	MATCH MAX RANGE	MIN DURATION	MAX DURATION	GUARD TIME
1	00:00- 08:59	51	8,202 ft	2,500 m	6	80	5
2	09:00 - 14:59	54	8,202 ft	2,500 m	6	80	5
3	15:00 – 17:59	50	8,202 ft	2,500 m	6	80	5
4	18:00 – 23:59	45	8,202 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
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.