

# GOLD COAST AIRPORT NOISE MONITORING REVIEW

## SUBMITTING A SUGGESTION FOR A NOISE MONITOR LOCATION

We are seeking community suggested locations for installation of a third noise monitor for the Gold Coast Airport

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### Gold Coast Airport Noise Monitoring Review

Airservices maintains and operates a Noise and Flight Path Monitoring System (NFPMS) at Gold Coast Airport. This system provides information and data on aircraft movements, aircraft noise and aircraft operations.

In 2016, we committed to the Gold Coast Airport, and their Community Aviation Consultation Group (CACG) and Airport Noise Abatement Consultative Committee (ANACC) that we would conduct the Review following the Post Implementation Review (PIR) of the ILS and the introduction of the RNP-AR approaches to Runway 14 and 32.

As part of the review, we are seeking community input and suggestions for suitable locations to install a new long-term noise monitor. This is your opportunity to be involved in determining the location of a third long-term noise monitor for the Gold Coast Airport.

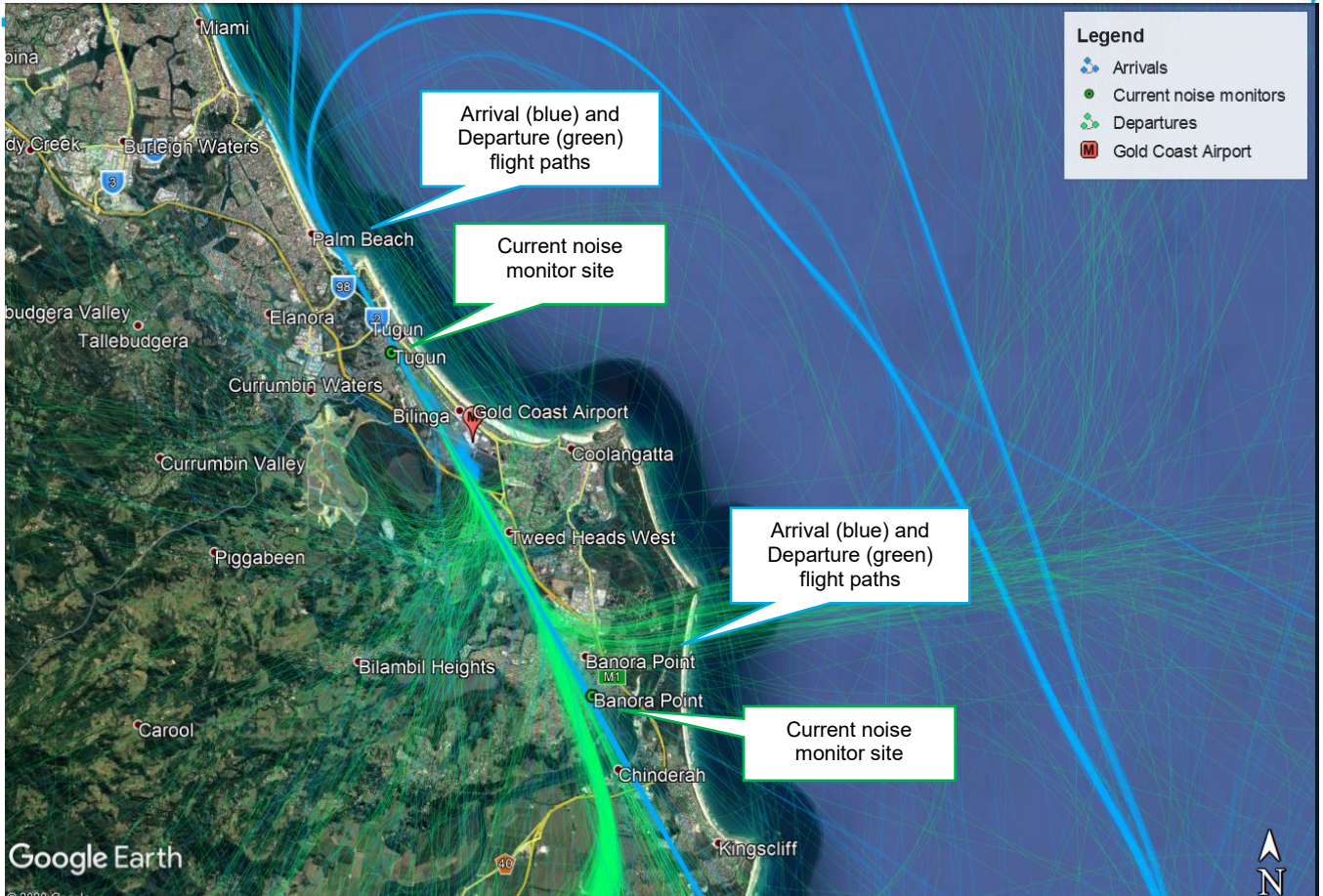
### Existing Noise Monitoring

We currently have two long-term noise monitors - one at Tugun and one at Banora Point.

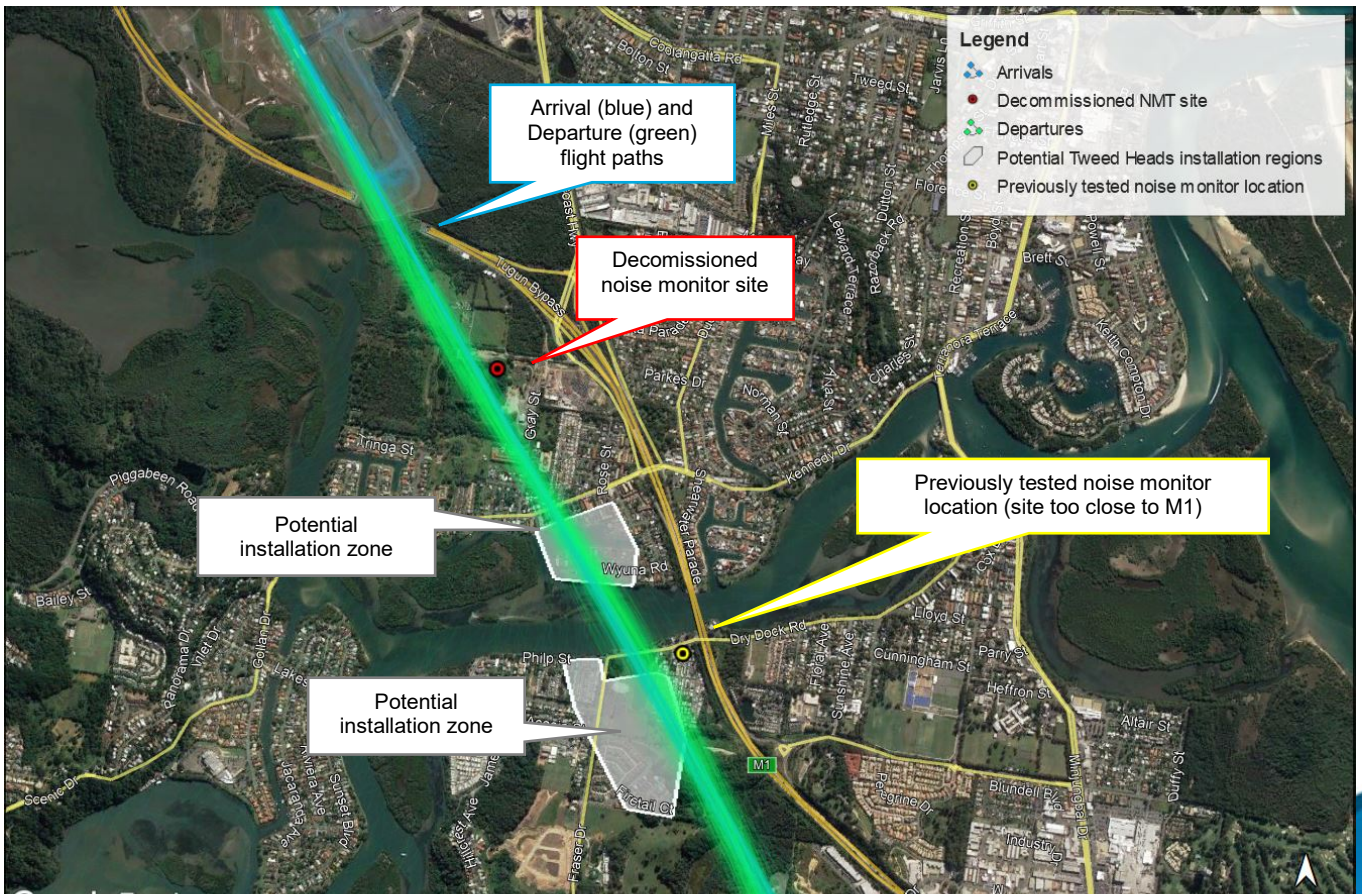
The broader Gold Coast region previously had three long-term NMTs, however the third NMT, located at Tweed Heads, was removed due to site works by the property owner in 2009 and was unable to be re-installed in 2012, due to asbestos contamination.

As such, we are now seeking to identify an appropriate site for the remaining long-term noise monitor to provide the community with additional aircraft noise related information and will consider all community suggestions for locations in the broader Gold Coast and Tweed regions (shown in **Figure 1**).

Based on Airservices previous investigations at Tweed Heads (the location of the previous monitor) potential installation zones have been identified, and these are shown in grey on **Figure 2**.



**Figure 1:** Indicative arrival (blue) and departure (green) tracks from Gold Coast Airport. Community suggested locations should be near these operations.



**Figure 2:** Suitable zones for noise monitoring (grey) in the Tweed Heads region, with indicative arrival (blue) and departure (green) tracks from Gold Coast Airport.

## How do we identify suitable noise monitor location/s?

The location of the new noise monitor must be in an area which will effectively capture noise data from arriving and departing aircraft, and a suitable distance from other noise producing sources such as the M1 motorway.

We use the following criteria when identifying a suitable location for a noise monitor:

- site suitability to capture all major aircraft types and operations so that the noise data represents the range of aircraft noise in that community
- site ability to effectively capture sufficient noise data (i.e. if aircraft are too far away and therefore produce low noise levels these generally won't be captured effectively by a noise monitor)
- the site is compliant with acoustic standards<sup>1</sup> that ensure the operational aspects for monitoring can be achieved
- site technical aspects including security, mobile data coverage, access to power, protection from wildlife, and a location within air traffic control radar coverage
- the site is a public or commercial property (for example schools, council depots, childcare centres, as private residences are not suitable for long-term noise monitor locations)
- the site has sufficient open space at ground level for a noise monitor to be installed
- consideration of previous and existing short-term and long-term noise monitoring in the vicinity
- consideration of background noise levels that can diminish the effectiveness of the noise monitor.

## Why are we seeking your suggestions?

People who live in the community know their area and can contribute local knowledge to the identification of suitable sites for noise monitors.

## What should I include in my submission?

Submit your suggestions for possible locations that meet the noise monitor criteria above (see *How do we identify suitable noise monitor location/s?*) and are located near the aircraft operations (**Figure 1**) They may include locations in the potential installation zones (**Figure 2 grey shaded areas**)

When submitting your suggested location/s please ensure you include:

- the specific address of the site, or multiple street names that define a particular region
- the specific aircraft operation/s you believe need noise monitoring (e.g. jet departures turning east or helicopter circuits)
- the reason why you are suggesting the location/s
- local knowledge that may help us consider the suggestion (e.g. if the site is located away from road noise, the current site use/s and who owns the site).

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<sup>1</sup> ISO 20906:2009 Unattended Monitoring of Aircraft Sound in the Vicinity of Airports

## How do I submit my suggested location/s?

To submit a suggested location visit *Engage Airservices* at <https://engage.airservicesaustralia.com/gold-coast-airport-noise-monitoring-review> and complete the online survey which will take you through a series of questions so you can provide the information we will need about the location/s.

Suggestions can also be provided to the Gold Coast Airport Noise Abatement Consultative Committee by email to [anacc@gcal.com.au](mailto:anacc@gcal.com.au)

## When do I submit my suggestion?

Submit your suggestion between Monday 8 February 2021 and 5pm AEDT, Monday 22 March 2021.

## For further information

Visit *Engage Airservices* at <https://engage.airservicesaustralia.com/gold-coast-airport-noise-monitoring-review>

Visit Airservices website at [Monitoring Aircraft Noise](#)