

NOISE MONITORING AND FLIGHT TRACKING SYSTEM

Vancouver Airport Authority uses its Aircraft Noise & Operations Monitoring System (ANOMS) to monitor noise and flight operations over the Metro Vancouver area. This system was installed in 2009 and replaced a system that was in use since 1995. Prior to this, a noise monitoring system was in operation since 1987.

ANOMS monitors noise levels at 20 permanent noise monitoring terminals (NMTs) located throughout the community (see Figure 1 below), and receives flight track data from NAV CANADA's radar. By integrating noise data and radar flight track information, ANOMS is able to determine the contribution of aircraft noise at the NMT sites.

Noise data collected at the NMTs is used to assess the noise environment around the airport, which provides the ability to identify trends, periodically determine single event noise levels (SELs) for aircraft, and consult with airlines to minimize noise via procedures. Noise data from the system is also summarized and presented in publically available annual noise management reports.

Flight tracks collected by the system are used to verify conformance to published noise abatement procedures, perform trend analysis, and investigate questions from the community.

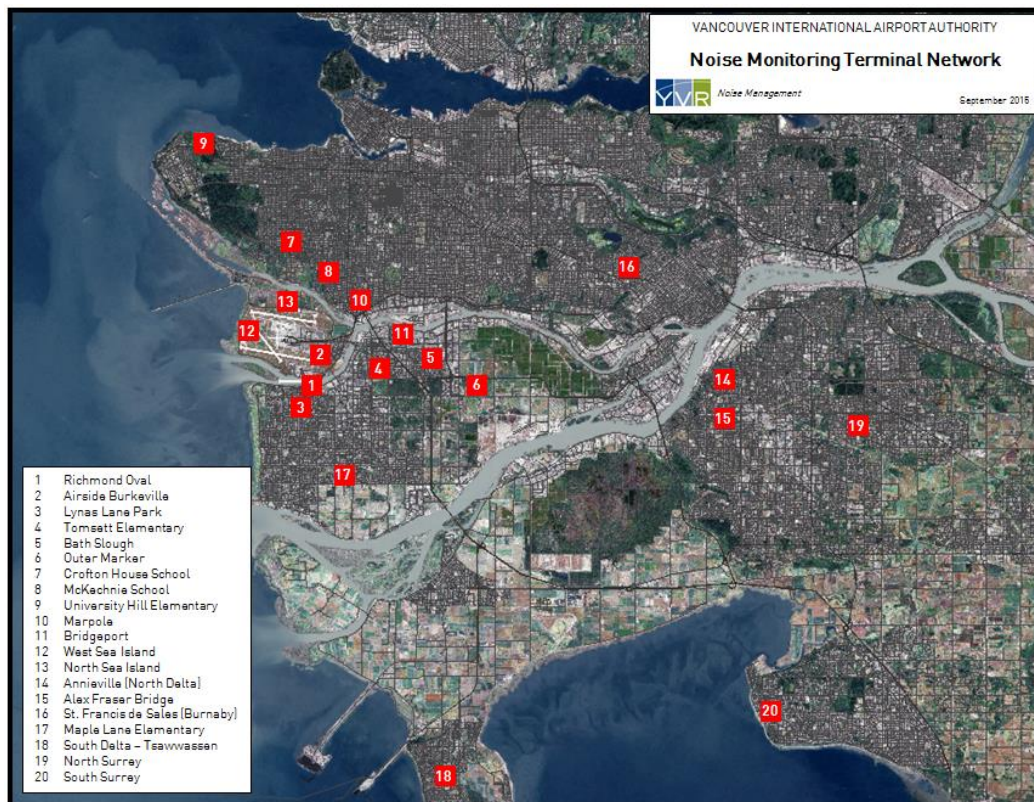


Figure 1 - NMT locations throughout the Lower Mainland