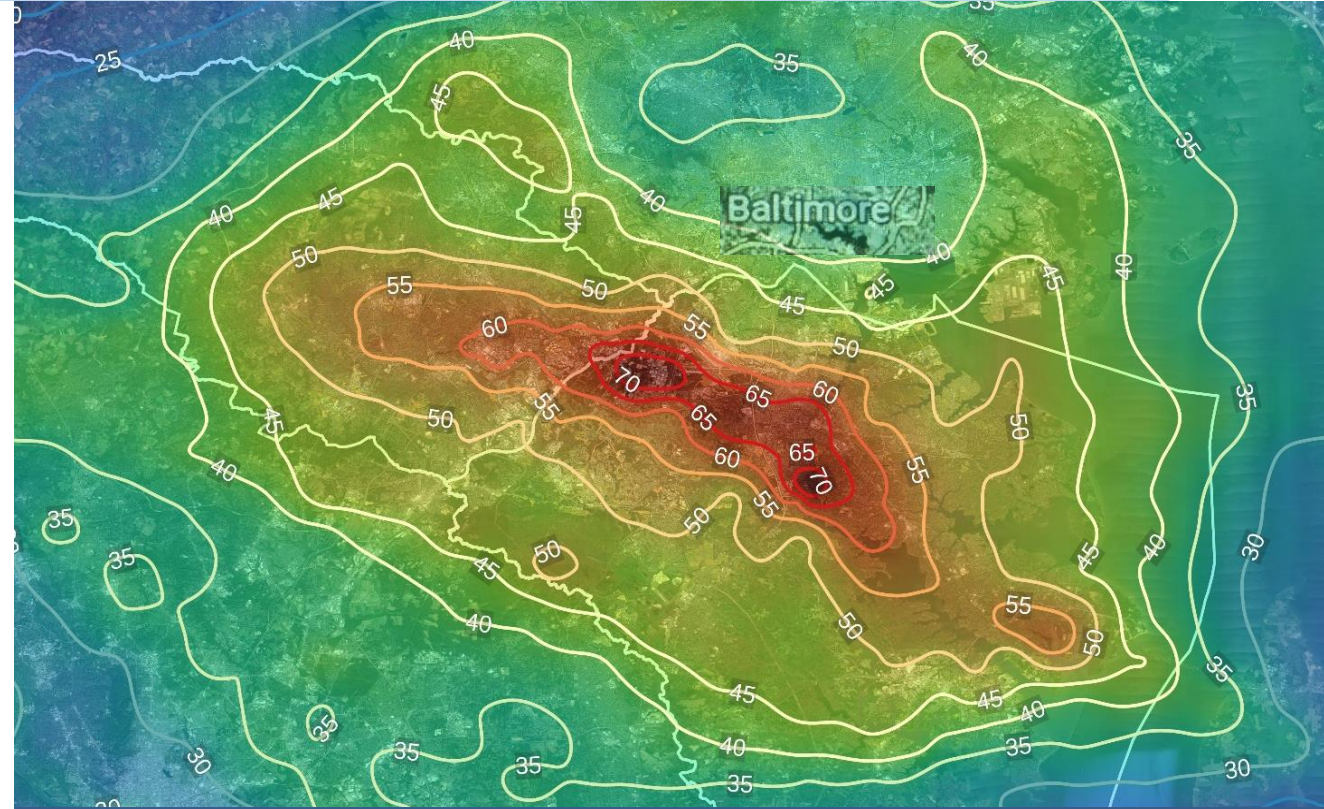


# REGIONAL MAPS OF BWI-MARSHALL NOISE POLLUTION



MAA modeled *actual historical* flights projected for the 2020 Airport Noise Zone and updated in Aug 2022 for a report to the Maryland General Assembly



Vianair, Inc. modeled *actual daily* flights for Nov 2022 for the Monthly Aircraft Operations and Noise Exposure Report of the DC Metroplex BWI Community Roundtable

These images represent two versions of the mapped regional noise pollution generated by commercial flight operations at BWI-Marshall. The map on the left was generated by MDOT-MAA based on actual **historical** operations collected by the MDOT MAA's Airport Noise and Operations Monitoring System (ANOMS) with computer modeling of future expected noise. It is focused on the 65 DNL contour of the Airport Noise Zone. The Vianair-generated map on the right is based on **actual daily flights** from the airport with computer modeling of the resulting expected noise, creating a more in-depth look at all DNL noise contours.

Noise is expressed in DNL contours. For reference, the **50 DNL** contour on the *Vianair* map stretches westward to encompass the approximate boundaries of **Columbia/Clarksville**, eastward to **Fort Smallwood/Lake Shore/Annapolis** and south to **Crownsville /Millersville/Fort Meade**. The World Health Organization has identified adverse health effects at this noise level.