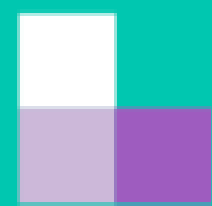
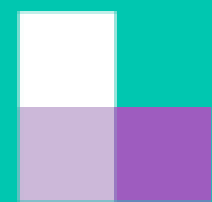


Community Noise Report

Sandridge

April - June 2017



London
Luton
Airport

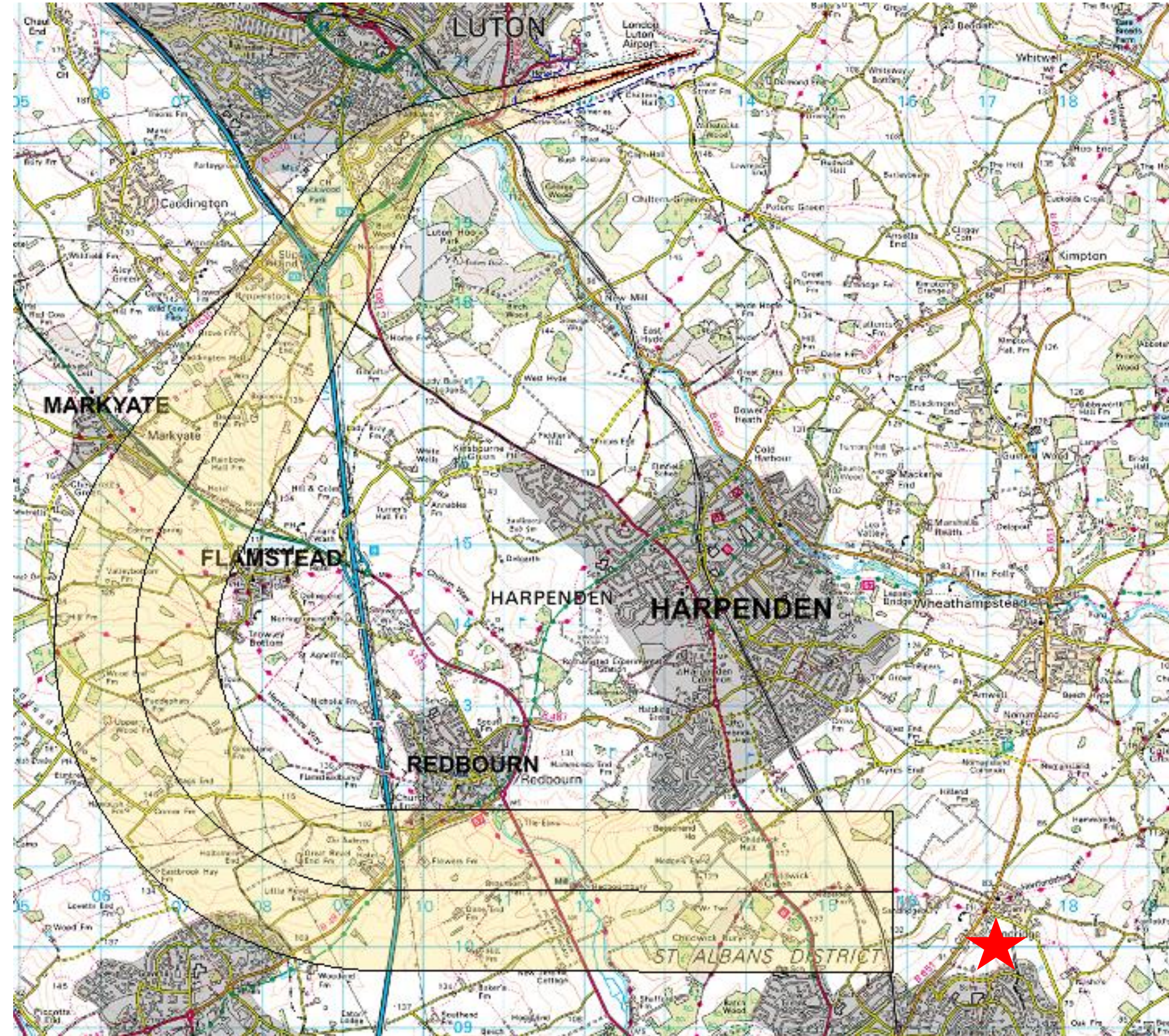
Introduction

London Luton Airport undertook unattended noise monitoring in Sandridge as part of the ongoing noise monitoring programme. The purpose of the monitoring was to understand the typical noise levels created in this area by departing aircraft during westerly operations.

The noise monitor was located in St Helier Road, Sandridge between the 30th March to 5th June 2017.

The monitor was located nearby the westerly Match/Detling departure route, with aircraft taking approximately 22 track miles before reaching the monitor. The altitude at the monitor was 360ft above mean sea level.

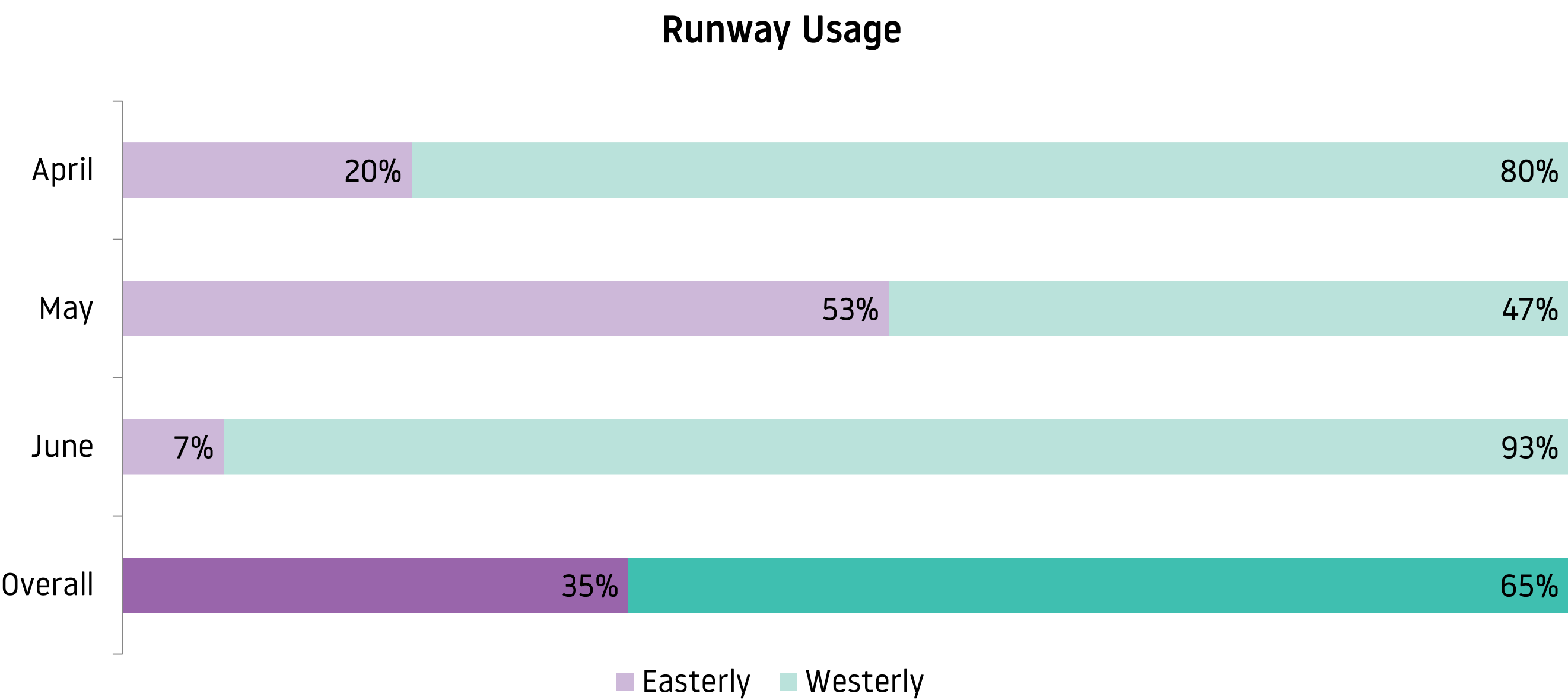
Aircraft data captured was extracted from LLA's noise and track-keeping system (TopSonic). Operations in the area was evaluated by drawing a 3km 'gate' perpendicular to the Noise Preferential Route corridor.



LLA Operations During the Monitoring

During the monitoring 26,922 air traffic movements were handled by LLA, there were no trials in place that could have affected the position of aircraft during this time.

During the period of monitoring the direction of operation was 35% easterly and 65% Westerly and therefore during easterly operations no data was captured.



Aircraft Tracks During the Monitoring Period

The plot density map below shows the 4,361 flight tracks that passed nearby the monitor during the monitoring period.

