

7. SUMMARY OF THE AIRCRAFT NOISE IMPACT

The noise caused by aircraft operating to and from East London Airport for the investigated conditions are summarised in Table 7.1.1. Since maximum capacity (566 and 1120 daily movements) are very unlikely to arise, they were not used for assessment purposes.

TABLE 7.1.1
Summary of the noise caused by aircraft operations: East London Airport.

Area	General L_{Rdn} , dBA, and assessment in the area		
	2003	2008 no extension	2008 with extension
Grey Dell W	> 60 dBA Not suitable for residential, schools, hospitals	> 55 dBA Not suitable for residential, schools, hospitals	> 55 dBA Not suitable for residential, schools, hospitals
Grey Dell N	> 65 dBA Not suitable for residential, schools, hospitals	± 55 dBA Further than 300 m: Suitable for residential, schools, hospitals Closer than 200 m: Suitable for retail, offices, consult.	± 55 dBA Further than 300 m: Suitable for resid., schools, hospitals Closer than 300 m: Suitable for retail, offices, consult.
Fort Grey	> 65 dBA Not suitable for residential, schools, hospitals	± 55 dBA Further than 300 m: Suitable for residential, schools, hospitals Closer than 300 m: Suitable for retail, offices, consult.	± 55 dBA Further than 300 m: Suitable for resid., schools, hospitals Closer than 300 m: Suitable for retail, offices, consult.
Willow Park	> 60 dBA Not suitable for residential, schools, hospitals	< 55 dBA Suitable for residential, schools, hospitals	< 55 dBA Suitable for resid., schools, hospitals
Glendevon	> 60 dBA Not suitable for residential, schools, hospitals	55 dBA Suitable for residential, schools, hospitals	< 55 dBA Not affected
Rosemount	> 65 dBA Not suitable for residential, schools, hospitals	> 55 dBA Not suitable for residential, schools, hospitals	> 55 dBA < 60 dBA Suitable retail shopping, offices. consulting rooms.
Greenfields	> 60 dBA Not suitable for residential, schools, hospitals	> 55 dBA < 60 dBA Suitable retail shopping, offices. consulting rooms.	55 dBA Suitable for resid., schools, hospitals
Woodbrook	> 55 dBA < 60 dBA Suitable retail shopping, offices. consulting rooms.	55 dBA Suitable for resid., schools, hospitals	< 55 dBA Not affected
Sunnyridge	> 55 dBA < 60 dBA Suitable retail shopping, offices. consulting rooms.	< 55 dBA Not affected	< 55 dBA Not affected
Buffalo Flats	55 dBA Suitable for residential, schools, hospitals	< 55 dBA Not affected	< 55 dBA Not affected
EL IDZ	< 55 dBA Not affected	< 55 dBA Not affected	< 55 dBA Not affected