

Table 6-7 Noise-Exposed Population by Community¹

Year	> 75 DNL	70-75 DNL	65 ³ -70 DNL	Total (65+) ³ DNL	Year	> 75 DNL	70-75 DNL	65 ³ -70 DNL	Total (65+) ³ DNL
Boston					Revere				
1990	0	1,778	28,970	30,748	1990	0	0	4,274	4,274
2000	0	234	9,014 ²	9,248 ²	2000	0	0	2,496	2,496
2010	0	0	689 ²	689 ²	2010	0	0	2,413	2,413
2015	0	110	7,255 ²	7,365 ²	2015	0	0	3,789	3,789
2016	0	0	4,031	4,031	2016	0	0	2,376	2,376
2017	0	14	4,720	4,734	2017	0	0	2,362	2,362
2018	0	11	2,228	2,239	2018	0	0	3,574	3,574
2019	0	7	4,029	4,036	2019	0	0	3,484	3,484
Chelsea					Winthrop				
1990	0	0	4,813	4,813	1990	676	1,211	2,420	4,307
2000	0	0	0	0	2000	247	1,070	4,684	6,001
2010	0	0	0	0	2010	0	130	598	728
2015	0	0	0	0	2015	0	320	2,623	2,943
2016	0	0	0	0	2016	0	130	913	1,043
2017	0	0	65	65	2017	0	125	647	772
2018	0	0	0	0	2018	0	51	1,170	1,221
2019	0	0	0	0	2019	0	96	1,152	1,248
Everett					All Communities				
1990	0	0	0	0	1990	676	2,989	40,477	44,142
2000	0	0	0	0	2000	247	1,304	16,194	17,745
2010	0	0	0	0	2010	0	130	3,700	3,830
2015	0	0	0	0	2015	0	430	13,667	14,097
2016	0	0	0	0	2016	0	130	7,320	7,450
2017	0	0	0	0	2017	0	139	7,794	7,933
2018	0	0	0	0	2018	0	62	6,972	7,034
2019	0	0	0	0	2019	0	103	8,665	8,768

Source: Massport and HMMH, 2020.

Notes: Population counts for 2010 and later use the 2010 U.S. Census block data; Counts for 2000 used the 2000 U.S. Census data; Counts for 1990 used the 1980 U.S. Census data.

1 2017 noise analysis uses AEDT version 2d, 2016 used AEDT version 2cSP2, 2012 through 2015 used INM version 7.0d, 2011 used INM version 7.0c, 2010 used INM version 7.0b, 1990 and 2000 used earlier versions of INM. Data for years not shown here are available in Appendix H, *Noise Abatement*.

2 These values reflect the effect of the FAA-approved terrain adjustment in Orient Heights.

3 Day-Night Average Sound Level (DNL) 65 decibel (dB) is the federally defined noise criterion used as a guideline to identify when residential land use is considered incompatible with aircraft noise.

The estimated population (based on 2010 U.S. Census data) within the DNL 65 dB contour decreased by about 11 percent from 2017 to 2018 (going from 7,933 to 7,034) and increased again about 25 percent from 2018 to 2019 (to 8,768). The populated area included in the 2018 DNL 65 dB contour decreased in East Boston but increased in Winthrop and Revere, as compared to 2017. The populated area within the 2019 DNL 65 dB contour increased in East Boston and Winthrop and decreased in Revere, as compared to 2018.