

Sound Level in Bangkok Metropolitan Region 2000

January

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd. Bangkapi | 79.3 - 81.8 | 73.9 - 75.6 | 100 | 63.8 - 71.3 |
| 2. | Phachasongkoe Rd. Huykwang | 70.4 - 76.1 | 65.4 - 75.1 | 4.3 | 51.7 - 79.0 |
| 3. | Intrarapitak Rd. Thonburi | 77.8 - 79.2 | 71.9 - 73.6 | 100 | 62.1 - 72.0 |
| 4. | Pahurat | 80.8 - 81.7 | 75.2 - 76.3 | 100 | 60.9 - 72.8 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|---|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 59.4 - 74.6 | 55.2 - 74.5 | 9.5 | 48.0 - 75.5 |
| 2. | Sinharatpittaya School, Bangkuntean | 66.8 - 69.2 | 62.4 - 64.5 | 0 | 49.4 - 67.4 |
| 3. | Nonriwittaya School, Yannawa | 61.4 - 78.2 | 55.4 - 78.1 | 50 | 51.4 - 69.4 |
| 4. | Management Organization of Province ,Samutsakon | 70.3 - 73.2 | 66.5 - 68.6 | 0 | 49.4 - 67.0 |
| 5. | Sinlapakorn University, Nakornpatom | 58.3 - 69.3 | 53.0 - 61.8 | 0 | 46.0 - 61.4 |

February

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd. Bangkapi | 80.0 - 81.5 | 74.5 - 75.4 | 100 | 63.3 - 71.3 |
| 2. | Prachasongkroh Rd. Huykwang | 70.5 - 72.2 | 66.0 - 68.6 | 0 | 52.3 - 69.0 |
| 3. | Intrarapitak Rd. Thonburi | 77.7 - 79.0 | 72.1 - 73.4 | 100 | 61.3 - 70.2 |
| 4. | Pahurat | 80.3 - 82.5 | 74.6 - 76.4 | 100 | 60.3 - 73.1 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|---|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 61.6 - 68.1 | 58.7 - 65.6 | 0 | 47.4 - 65.9 |
| 2. | Sinharatpittayakom School, Bangkuntean | 66.9 - 70.5 | 62.4 - 64.7 | 0 | 50.6 - 65.0 |
| 3. | Nonriwittaya School, Yannawa | 64.8 - 79.2 | 58.6 - 79.0 | 85.7 | 53.9 - 67.4 |
| 4. | Management Organization of Province ,Samutsakon | 69.9 - 74.3 | 66.2 - 69.2 | 0 | 48.6 - 67.8 |
| 5. | Sinlapakorn University, Nakornpatom | 64.7 - 66.4 | 59.1 - 60.8 | 0 | 49.1 - 61.1 |

March

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkok | 80.2 - 81.7 | 74.3 - 75.6 | 100 | 63.4 - 72.7 |
| 2. | Phachasongkoe Rd, Huykwang | 71.2 - 72.1 | 66.7 - 68.4 | 0 | 52.1 - 69.4 |
| 3. | Dingdeang Rd., Dindeang | 79.8 - 83.2 | 73.4 - 76.0 | 100 | 65.2 - 76.8 |
| 4. | Intrarapitak Rd. Thonburi | 77.9 - 79.3 | 72.2 - 73.2 | 100 | 61.9 - 69.8 |
| 5. | Pahurat | 80.5 - 85.1 | 74.9 - 79.4 | 100 | 60.1 - 75.8 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkok | 61.2 - 64.2 | 58.3 - 61.3 | 0 | 48.3 - 62.9 |
| 2. | Singharatpittaya School, Bangkoktean | 66.7 - 69.0 | 62.6 - 64.0 | 0 | 50.1 - 62.3 |
| 3. | Management Organization of Province, Samutsakorn | 71.9 - 73.0 | 67.3 - 69.0 | 0 | 49.6 - 67.2 |
| 4. | Sinlapakorn University, Nakhonpathom | 63.3 - 68.5 | 56.8 - 60.3 | 0 | 49.3 - 60.8 |

April

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|------------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkok | 78.8 - 80.9 | 74.1 - 74.9 | 100 | 62.6 - 71.6 |
| 2. | Phachashongkoe Rd., Huykwang | 70.5 - 75.7 | 65.2 - 74.0 | 8.3 | 51.7 - 73.4 |
| 3. | Dindeang Rd., Dindeang | 79.4 - 80.7 | 73.3 - 74.4 | 100 | 64.0 - 74.6 |
| 4. | Intrarapitak Rd., Thonburi | 76.3 - 79.8 | 70.7 - 73.3 | 100 | 60.1 - 71.3 |
| 5. | Phahurat | 82.4 - 85.2 | 77.6 - 79.6 | 100 | 61.8 - 76.4 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkok | 60.2 - 72.8 | 55.8 - 67.3 | 0 | 49.0 - 64.3 |
| 2. | Singharatpittaya School, Bangkoktean | 67.0 - 71.7 | 62.5 - 64.1 | 0 | 50.2 - 64.9 |
| 3. | Nonriwittaya School, Yannawa | 62.9 - 90.1 | 57.7 - 80.7 | 5.3 | 52.3 - 67.3 |
| 4. | Management Organization of Province, Samutsakorn | 71.5 - 74.9 | 66.9 - 69.0 | 0 | 49.4 - 67.3 |
| 5. | Sinlapakorn University, Nakhonpathom | 60.5 - 68.6 | 53.8 - 65.3 | 0 | 48.1 - 69.2 |

May

Table1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkapi | 79.6 - 80.6 | 74.2 - 74.7 | 100 | 62.6 - 71.4 |
| 2. | Phachasongkoe Rd., Huykwang | 70.3 - 75.3 | 65.8 - 69.5 | 0 | 52.6 - 71.5 |
| 3. | Dindeang Rd., Dindeang | 79.8 - 80.5 | 73.4 - 74.4 | 100 | 65.7 - 72.0 |
| 4. | Intraratpitak Rd., Thonburi | 77.1 - 80.0 | 71.6 - 73.0 | 100 | 61.0 - 69.9 |
| 5. | Phahurat | 83.3 - 85.1 | 77.8 - 79.4 | 100 | 62.8 - 76.1 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|---|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 62.1 - 73.7 | 58.7 - 64.5 | 0 | 48.3 - 68.5 |
| 2. | Singharatpittaya School, Bangkuntean | 69.3 - 73.0 | 62.5 - 65.2 | 0 | 48.6 - 66.2 |
| 3. | Nontriwittaya School, Yannawa | 63.9 - 74.3 | 58.2 - 66.6 | 0 | 52.8 - 70.2 |
| 4. | Management Organization of Province Samutsakorn | 72.1 - 76.1 | 67.2 - 74.7 | 3.2 | 50.9 - 78.5 |
| 5. | Sinlapakorn University, Nakornphatom | 66.7 - 73.4 | 62.8 - 68.6 | 0 | 50.1 - 75.6 |

June

Table1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkapi | 79.8 - 80.8 | 74.6 - 75.0 | 100 | 62.1 - 71.7 |
| 2. | Phachasongkoe Rd., Huykwang | 70.9 - 73.0 | 66.4 - 70.2 | 5.3 | 52.3 - 72.2 |
| 3. | Dindeang Rd., DinDeang | 79.6 - 80.4 | 73.5 - 74.1 | 100 | 64.4 - 72.5 |
| 4. | Intraratpitak Rd., Thonburi | 77.1 - 79.5 | 72.0 - 73.4 | 100 | 60.3 - 71.6 |
| 5. | Phahurat | 83.5 - 84.9 | 78.0 - 79.2 | 100 | 62.0 - 75.6 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|---|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 65.7 - 77.8 | 61.0 - 77.7 | 12.5 | 49.8 - 67.9 |
| 2. | Singharatpittaya School, Bangkuntean | 69.4 - 73.4 | 62.3 - 66.2 | 0 | 48.9 - 66.4 |
| 3. | Nontriwittaya School, Yannawa | 62.4 - 75.3 | 58.6 - 70.3 | 4.5 | 50.0 - 73.7 |
| 4. | Management Organization of Province Samutsakorn | 72.3 - 75.8 | 67.5 - 71.7 | 14.8 | 48.9 - 68.9 |

July

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkapi | 79.1 - 80.8 | 74.1 - 74.9 | 100 | 61.5 - 72.9 |
| 2. | Phachasongkoe Rd., Huykwang | 70.9 - 75.7 | 66.1 - 68.6 | 0 | 52.8 - 70.1 |
| 3. | Dindeang Rd., Dindeang | 79.1 - 83.6 | 73.4 - 76.7 | 100 | 63.3 - 76.3 |
| 4. | Intraratpitak Rd., Thonburi | 77.4 - 79.6 | 71.5 - 73.6 | 100 | 61.3 - 71.1 |
| 5. | Phahurat | 83.3 - 84.5 | 77.9 - 79.1 | 100 | 62.1 - 75.7 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 62.1 - 97.8 | 58.4 - 87.8 | 19.0 | 49.5 - 76.0 |
| 2. | Singharatpittaya School, Bangkuntean | 69.8 - 72.5 | 62.9 - 64.7 | 0 | 48.9 - 64.3 |
| 3. | Nontriwittaya School, Yannawa | 63.8 - 84.2 | 57.9 - 84.1 | 16.7 | 50.2 - 73.5 |
| 4. | Management Organization of Province, Samutsakorn | 72.2 - 73.7 | 67.5 - 68.7 | 0 | 52.2 - 67.2 |

August

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkapi | 80.2 - 81.1 | 74.4 - 75.3 | 100 | 63.2 - 72.7 |
| 2. | Phachasongkoe Rd., Huykwang | 70.7 - 79.9 | 66.0 - 75.4 | 41.7 | 51.7 - 79.4 |
| 3. | Intraratpitak Rd., Thonburi | 77.4 - 78.8 | 71.9 - 73.1 | 100 | 60.8 - 70.2 |
| 4. | Phahurat | 83.6 - 87.2 | 78.3 - 80.5 | 100 | 63.0 - 76.3 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 65.1 - 81.2 | 60.7 - 80.4 | 15 | 49.4 - 72.3 |
| 2. | Singharatpittaya School, Bangkuntean | 70.4 - 71.3 | 63.3 - 64.2 | 0 | 50.2 - 68.3 |
| 3. | Management Organization of Province, Samutsakorn | 71.8 - 73.9 | 67.7 - 70.3 | 3.2 | 50.3 - 68.2 |

September

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Ladpao Rd., Bangkapi | 79.3 - 80.7 | 73.8 - 75.0 | 100 | 61.8 - 72.2 |
| 2. | Phachasongkoe Rd., Huykwang | 71.4 - 77.8 | 66.9 - 71.9 | 15 | 52.8 - 72.6 |
| 3. | Intraratpitak Rd., Thonburi | 77.9 - 80.0 | 72.4 - 73.6 | 100 | 61.2 - 71.6 |
| 4. | Phahurat | 83.9 - 84.9 | 78.2 - 79.3 | 100 | 63.2 - 76.3 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 61.1 - 76.7 | 56.8 - 70.6 | 3.9 | 48.5 - 70.1 |
| 2. | Singharatpittaya School, Bangkuntean | 69.7 - 74.2 | 62.8 - 65.5 | 0 | 48.9 - 68.4 |
| 3. | Management Organization of Province, Samutsakorn | 72.2 - 75.8 | 67.1 - 73.4 | 6.7 | 51.2 - 70.4 |

October

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|------------------------------|--|---|--|-------------------------------------|
| 1. | Prachasongkroh Rd., Huykwang | 71.1 - 74.1 | 66.1 - 69.1 | 0 | 53.4 - 72.5 |
| 2. | Intrahpitak Rd., Thonburi | 77.8 - 79.8 | 72.4 - 73.7 | 100 | 62.2 - 71.0 |
| 3. | Phahurat | 83.7 - 84.8 | 78.2 - 79.4 | 100 | 63.0 - 76.4 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Singharatpittaya School, Bangkuntean | 69.3 - 76.6 | 62.2 - 69.9 | 0 | 48.6 - 69.3 |
| 2. | Nonseewittaya School., Yannawa | 59.6 - 62.8 | 53.4 - 57.1 | 0 | 52.1 - 57.2 |
| 3. | Management Organization of Province, Samutsakorn | 71.9 - 74.4 | 67.1 - 71.7 | 3.2 | 51.2 - 66.2 |

November

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|-----------------------------|--|---|--|-------------------------------------|
| 1. | Phachasongkoe Rd., Huykwang | 71.6 - 73.3 | 67.6 - 68.6 | 0 | 54.0 - 70.3 |
| 2. | Residence, Dindeang | 79.7 - 83.3 | 73.5 - 77.3 | 100 | 65.1 - 76.6 |
| 3. | Intrarapitak Rd., Thonburi | 77.2 - 82.3 | 71.5 - 75.8 | 100 | 60.8 - 71.6 |
| 4. | Phahurat | 83.4 - 86.5 | 77.8 - 80.3 | 100 | 61.6 - 76.7 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Ramkumheang University, Bangkapi | 61.5 - 65.4 | 57.8 - 62.9 | 0 | 50.9 - 68.1 |
| 2. | Singharatpittaya School, Bangkuntean | 69.6 - 79.0 | 63.0 - 70.9 | 3.7 | 49.0 - 72.0 |
| 3. | Nontriwittaya School, Yannawa | 60.0 - 66.0 | 53.9 - 63.8 | 0 | 52.0 - 59.5 |
| 4. | Management Organization of Province, Samutsakorn | 72.2 - 75.4 | 67.3 - 69.5 | 0 | 50.6 - 69.7 |

December

Table 1 : Sound Level at Roadside (Maximum-Minimum)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--------------------------------|--|---|--|-------------------------------------|
| 1. | Phachasongkoe Rd., Huykwang | 70.7 - 85.7 | 66.5 - 78.8 | 9.1 | 53.1 - 79.2 |
| 2. | Residentail Dindeang, Dindeang | 79.8 - 83.5 | 73.7 - 77.0 | 100 | 66.1 - 76.3 |
| 3. | Intrarapitak Rd., Thonburi | 77.6 - 79.9 | 71.7 - 73.4 | 100 | 62.2 - 70.7 |

Table 2: Sound Level in Ambient (Minimum-Maximam)

| No. | Station | Day-Night average sound level (L _{dn}) | Equivalent sound level 24hr (L _{eq} 24hr.) | % of days Equivalent sound level >70 dBA | Background Noise (L ₉₀) |
|-----|--|--|---|--|-------------------------------------|
| 1. | Singharatpittaya School, Bangkuntean | 69.5- 74.6 | 62.5 - 67.4 | 0 | 56.4 - 67.3 |
| 2. | Nontriwittaya School, Yannawa | 59.7 - 64.2 | 54.0 - 59.6 | 0 | 52.1 - 59.3 |
| 3. | Management Organization of Province, Samutsakorn | 70.4 - 73.2 | 66.6 - 69.0 | 0 | 50.7 - 66.7 |