
Environnement Sonore – Données de références

Question:

Was noise spectrum data collected? Can the raw data for the baseline noise survey be provided?

Answer:

The parameters measured for the ambient survey were: L_{Aeq} , L_{AMin} , L_{AMax} and L_{CPeak} . Noise spectrum analysis was not conducted for the ambient survey as it is not required under MDDEP criteria. The C-weighted Peak noise levels (L_{CPeak}) measured are directly comparable to the equivalent A-Weighted L_{AMax} value.

The raw measurement data for the ambient results reported in the acoustic baseline report are provided in EXCEL file format only. Labels have been added to the data to identify measurements that are not considered valid according to MDDEP measurement criteria or Golder quality control criteria. Factors that determine data quality/validity are:

- wind less than 20 kph;
- Relative Humidity less than 90 percent;
- no precipitation;
- instrument placed at least 3 meters from a vertical surface (wall or fence);
- microphone placed at 1.5 meters height;
- calibration does not vary more than 0.5 dBA;
- instrument operated within manufacturer specification;
- noises measured are considered typical for the area (for example, a holiday may not have the typical amount of noise); and
- technician activity or other direct interference with the meter causing abnormal high noise levels.

The only reasons data were excluded for the Cacouna project were:

- the presence of Golder field crew causing noises not typical of the location; and,
- static on sound recordings indicating a possible microphone malfunction.

A period of elevated humidity was noted at location A3 in the baseline report; however the majority of humidity levels were still within the 90 percent relative humidity limit required by MDDEP.