

PROJECT PROFILE: **MINE**



PROJECT: DRUMMLUMMON MINE
Marysville, Montana

For the Operating Permit Application, Big Sky Acoustics was hired to complete an Baseline Noise Analysis of the current operations and the proposed mill.

BSA's SERVICES AND SOLUTIONS:

- ◆ Measured the mine outdoor equipment noise levels and loading/hauling operations.
- ◆ Measured the ambient noise levels at the residence closest to the mine, within the town of Marysville and at the residence closest to the proposed mill facility.
- ◆ Using the noise data, developed noise contours of the current and proposed operations.
- ◆ Developed noise control measures to reduce the mine noise levels at nearby residences. Evaluated back-up alarms, equipment and fan modifications, and loading/hauling alterations.
- ◆ Provided barrier wall specifications to mitigate noise. Determined the barrier location, height and material options.
- ◆ Completed the Baseline Noise Analysis Report, for use as an Appendix of the Operating Permit.
- ◆ Conducted follow-up noise level measurements to determine the effectiveness of the equipment and fan modifications, and the barrier wall.

