

# Big Sky Acoustics

## PROJECT PROFILE: **MINE**



### **PROJECT:** DRUMMLUMMON MINE Marysville, Montana

For the Operating Permit Application, Big Sky Acoustics was hired to complete the 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.

