Big Sky Acoustics
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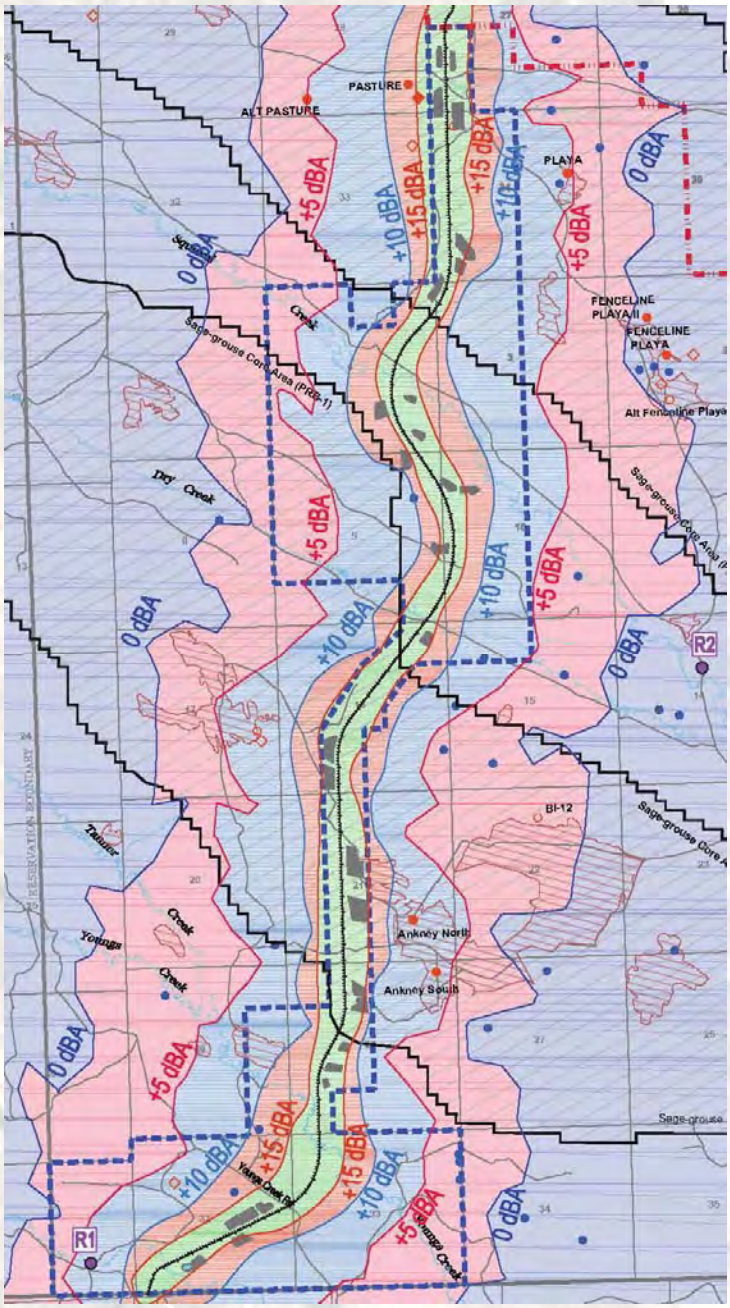
PROJECT PROFILE: MINE EIS

PROJECT: **Spring Creek Mine AM5 EIS**
Decker, Montana



Big Sky Acoustics developed the EIS noise sections for the addition of a 9-mile transportation corridor. The haul road will connect Spring Creek Mine in Montana with Youngs Creek Mine in Wyoming, to transport ore and share equipment and processing.

BSA's SERVICES AND SOLUTIONS:

- Reviewed the project documents, maps and aerial photography. Identified existing man-made and natural noise sources and receptors within 2 miles of the corridor, including residences, noise-sensitive wildlife species, and greater sage-grouse leks.
- Determined noise levels of diesel-powered equipment and 240-ton haul trucks, and predicted the Proposed Action construction, operation and reclamation noise levels using Cadna-A software.
- Compared the Proposed Action noise levels to federal and state noise guidelines, including Montana Executive Order 12-2015 greater sage-grouse stipulations, to determine impacts at receptors.
- Compared the predicted noise levels to the estimated baseline noise levels to evaluate audibility at receptors, and determine how significantly the acoustical environment will change due to the new noise sources.
- Contoured the increase in noise levels at the nine greater sage-grouse leks. Proposed noise mitigation measures for the Agency Mitigated Alternative, to reduce Project noise.

BSA's comprehensive analysis evaluated noise impacts and mitigation measures, so the various agencies and public can make informed environmental decisions on the proposed Project.

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