Abstract

Multi-Scale Risk Assessment to Habitat From Multiple Anthropogenic Stressors
Track: Ecology, Archaeology, and Conservation
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The project focuses on determining the probability of impacts to elk, mule deer and greater sage grouse habitat from off-road vehicle roads and other features such pads, wells, and pipelines associated with oil and gas development in the Wind River watershed. Analysis using Feature Analyst of multi-scale satellite imagery and GIS data layers will produce probabilistic impact models. In combination with landscape-level and site-specific habitat models, relational impact models have the potential to assist the land managers' plan for multiple and diverse land uses in Wyoming.

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