

# Abstract

## Using GIS to Predict Seasonal Grizzly Bear Feeding Locations

**Track:** Forestry, Wildlife, and Fisheries Management

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Grizzly bears (*Ursus arctos horribilis*) feeding on aggregations of army cutworm moths (*Euxoa auxiliaris*) excavated from alpine talus slopes have been documented in several areas in the northern Rocky Mountains. Army cutworm moths are an important, high quality, seasonal food for grizzly bears in Glacier National Park (GNP), Montana. Identifying the locations of moth aggregation sites in GNP is the first step toward protecting this important foraging habitat. Using ArcView we have developed a habitat model that uses the weights-of-evidence method to predict areas in GNP that have a high probability of containing moth aggregation sites.

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