The Ecology of Sagebrush on the Glacial Outwash Plains in Grand Teton National Park

Darold Sabinske
University of Wyoming

Follow this and additional works at: http://repository.uwyo.edu/jhrs_reports

Recommended Citation
Available at: http://repository.uwyo.edu/jhrs_reports/vol1969/iss1/20

This Research Project Report is brought to you for free and open access by Wyoming Scholars Repository. It has been accepted for inclusion in Jackson Hole Research Station Annual Report by an authorized editor of Wyoming Scholars Repository. For more information, please contact scholcom@uwyo.edu.
The Ecology of Sagebrush on the Glacial Outwash Plains in Grand Teton National Park
Darold Sabinske
Botany Department
University of Wyoming
Project Number 169

The glacial outwash plains in Jackson Hole support what appears to be a homogeneous cover of sagebrush, both *Artemisia arbuscula* (low sage) and *A. tridentata* (big sage). On closer examination there are found areas of low sage only, of big sage only, and of big and low sage together. Within each of these areas there are differences in plant understory species composition and pocket gopher activity. The causes for this differential distribution of plant species constitute a part of the study being undertaken. In appearance these causes seem to be related to soil differences and to the pocket gopher activity. Twenty-two sites were selected in order to test this. Thus far only preliminary work has been carried out in order to gain insight into what must be sampled. The rest of the study is a community analysis. This will show the species distribution within and between the sites. This study will continue.

Supported by University of Wyoming.