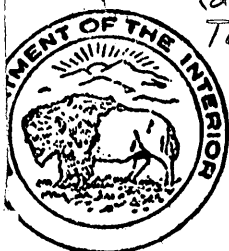


<sup>R</sup>  
(200)  
T67mm  
no. 606

OFF 53-28

Open File

U. S. Geological Survey.  
Trace elements memorandum  
report.



# DEPARTMENT OF THE INTERIOR

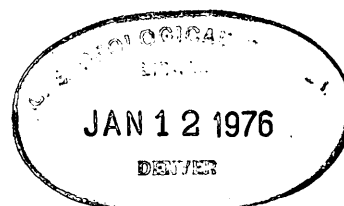
## INFORMATION SERVICE

TEM-606

AM  
SBS  
ENK.  
EGP  
JST

GEOLOGICAL SURVEY

For Release MARCH 28, 1953



RADIOACTIVITY SURVEY IN MILLER HILL REGION, WYO., RELEASED

Release of a photomosaic map showing eleven radioactivity anomalies in the Miller Hill region of Carbon County, Wyoming, was announced today by Secretary of the Interior Douglas McKay.

The anomalies, areas showing higher than normal radioactivity, were detected during an airborne survey by geophysicists of the Geological Survey on October 27, 1952.

The work in Wyoming was part of a program of airborne reconnaissance for uranium-bearing ore bodies being carried on throughout the United States by the Geological Survey on behalf of the United States Atomic Energy Commission.

The radiation-detection equipment is mounted in the Survey's Douglas DC-3 airplane which flies over the area at an elevation of 500 feet above the ground along parallel lines spaced at quarter-mile intervals.

A ground check of several of the anomalies found in the airborne radioactivity survey was made by Survey geologists J. D. Vine and J. D. Love. Uranium was found to occur in limestones and tuffaceous limy sandstones of the Browns Park formation. The highest radioactivity noted is in an algal limestone bed 300 to 400 feet above the base of the formation.

The map showing the location of the radioactive areas in the Miller Hill region is available for public inspection at the following Geological Survey Offices: Survey Library, GSA Bldg., Washington, D. C.; Survey Library, Denver Federal Center, and Room 468, New Custom House, Denver Colorado; Grand Junction, Colorado; Old Mint Bldg., San Francisco, Calif.; Federal Bldg., Salt Lake City, Utah; Custer, South Dakota; Federal Bldg., Casper, Wyoming; Sheridan, Wyoming, and Science Hall, University of Wyoming, Laramie, Wyoming.

It will also be available for inspection at the Bureau of Mines office, Rapid City, South Dakota, and at the following offices of the United States Atomic Energy Commission: New York Raw Materials Office, AEC, New York, New York; Denver Exploration Branch, AEC, Denver Federal Center, Denver, Colorado; Hot Springs suboffice, AEC, Hot Springs, South Dakota; Grand Junction Operations Office, AEC, Grand Junction, Colorado; Grants suboffice, AEC, Grants, New Mexico; Salt Lake Exploration Branch, AEC, Salt Lake City, Utah; Richfield suboffice, AEC, Richfield, Utah; and the Butte suboffice, AEC, Butte, Montana.

Copies of the map will be made available at Geological Survey offices in Casper and Laramie, and Grand Junction, for reproduction by those interested, at their expense.

x x x

.N. 37996

JAN 31 1977

MAY 3 1976