

GEOPHYSICAL SURVEY OF THE CENTENNIAL MOUNTAINS WILDERNESS STUDY AREA AND CONTIGUOUS AREAS, BEAVERHEAD COUNTY, MONTANA AND CLARK AND FREMONT COUNTIES, IDAHO

the broad, moderate-amplitude anomaly D correlates with a preserved southeast-plunging anticline

crystalline rocks. Part of the anomaly could stem

from an inferred concealed intrusive body related

to a known small diatreme (?) that crops out about 0.6 miles (1 km) east of the apex of anomaly D

having a core of Precambrian crystalline rocks.

Anomaly D is probably due to the elevated

(Witkind, 1974).

overlying surficial deposits.

ANTICLINE--Showing approximate position of crestline,

and direction of plunge of axis.

inferred; dotted where concealed; queried

where uncertain. Bar and bell on downthrown side.

FAULT--Dashed where approximately located or

STRIKE AND DIP OF INCLINED BEDS

STRIKE AND DIP OF VERTICAL BEDS

Vertical

★ ABANDONED MINE OR QUARRY

× PROSPECT PIT

→ DRY HOLE

OPEN-PIT PHOSPHATE MINE--Abandoned

30 STRIKE AND DIP OF FLOW STRUCTURE IN EXTRUSIVE ROCKS

SHOTGUN VALLEY

FREMONT CO SNAKE RIVER PLAIN

20 KILOMETERS

INDEX MAP OF THE CENTENNIAL MOUNTAINS WILDERNESS STUDY AREA, MONTANA AND IDAHO

APPROXIMATE BOUNDARY OF STUDY AREA-