U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATION
REPORT 138

OHIO CITY

WILLOW CREEK

BUCKY

BUCKHORN

WHITE SPAR NO. 1

WHITE SPAR NO. 2

BROWN DERBY NO. 5

BROWN DERBY

BLACK WONDER

INDIAN HEAD

TOLLGATE GULCH

BIG GULCH

QUARTZ CREEK

ALDER CREEK

WOOD GULCH

OPPORTUNITY NO. 1

BAZOOKA

Topography by U. S. Geological Survey
Surveyed in 1938, 1939, and 1941

Geology by M. H. Staatz and A. F. Trites

Geology mapped in 1948-49

14½° TRUE NORTH MAGNETIC NORTH

EXPLANATION

JURASSIC TERTIARY QUATERNARY
- Qal ALLUVIUM
- Qg GLACIAL TILL
- Tt TUFF

CRETACEOUS
- Kd DAKOTA SANDSTONE
- Jm MORRISON FORMATION

PRE-CAMBRIAN
- 366 PEGMATITE WITH NUMBER (ONE UNIT)
- 847 PEGMATITE WITH NUMBER (MORE THAN ONE UNIT)

PRE-CAMBRIAN
- FINE-GRAINED GRANITE
- COARSE-GRAINED GRANITE
- QUARTZ MONZONITE
- HORNBLENDE TONALITE
- HORNBLENDE GNEISS
- HORNBLENDE-BIOTITE TONALITE
- DACITE (PILLOW LAVA)

PRE-CAMBRIAN
- QUARTZITE (CONTAINS MINOR CONGLOMERATE)
- CONTACT (DASHED WHERE APPROXIMATELY LOCATED)
- FAULT (DASHED WHERE APPROXIMATELY LOCATED)
- CONCEALED FAULT
- 76 STRIKE AND DIP OF BEDS
- 74 STRIKE AND DIP OF FOLIATION
- STRIKE OF VERTICAL FOLIATION

- 56 STRIKE AND DIP OF JOINTS
- STRIKE OF VERTICAL JOINTS
- X SMALL PROSPECT PIT
- MINE
- A AREAS OF DETAILED JOINT MEASUREMENTS
- BUILDING
- SCHOOL HOUSE
- (162) STATE HIGHWAY NUMBER

Scale
1000 500 0 1000 3000 Feet
Contour Interval 500 feet
Datum is mean sea level

PLATE II. GEOLOGIC MAP AND SECTIONS OF THE QUARTZ CREEK PEGMATITE DISTRICT, GUNNISON COUNTY, COLORADO