DEPARTMENT OF INTERIOR

U. S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 88-699

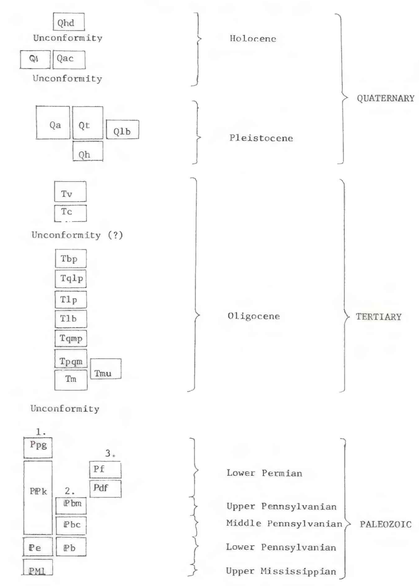
SHEET 1 OF 2

EXPLANATION

MAP UNITS

Qod	Mine overburden or waste dump materials	
Qac	Alluvium and colluvium	
Ql	Landslide debris	
Qa	Alluvium	
Qt	Talus deposits	
Qlb	Lake Bonneville deposits	
Qh	Harkers Alluvium	
Tv	Volcanic rocks, undifferentiated	
Tc	Conglomerate	
Tbp	Breccia pipe	
Tqlp	Quartz latite porphyry	
Tlp	Latite porphyry	
Tlb	Latite breccia	
Tqmp	Quartz monzonite porphyry	
Tpqm	Porphyritic quartz monzonite	
Tm	Monzonite and quartz monzonite	
Tmu	"Monzonite" porphyry, undifferentiated	
Ppg	Grandeur Member, Park City Formation	
PPk	Kessler Canyon Formation	Rogers Canyon thrust nappe
Pe	Erda Formation	
PMl	Lake Point Limestone	
Pf	Flood Canyon unit	Pass Canyon thrust nappe
Pdf	Dry Canyon unit	
Pbm	Markham Peak Member, Bingham Mine Formation	Bingham thrust nappe
Pbc	Clipper Ridge Member, Bingham Mine Formation	
Pb	Butterfield Peaks Formation	

CORRELATION CHART OF MAP UNITS



1. Rogers Canyon thrust nappe
2. Bingham thrust nappe
3. Pass Canyon thrust nappe

MAP SYMBOLS

Folds
(normal and overturned)

anticline — syncline

Faults
(dashed where uncertain, dotted where inferred)

thrust — tear — normal
(Saw teeth on upper plate, arrows indicate direction of movement, bar-ball on down-dropped block)

Dip and strike of beds

normal — overturned — vertical — horizontal

Contacts of formations
(dashed where uncertain, dotted where inferred)

Lake Bonneville shoreline

Contacts of landslide units

Ql

Mines and prospects — Dams — Numbered water wells

(52)

(depth in m to bedrock as (150)
depth to bottom in unconsolidated sediments in italics (150)

Geology by R.J.Roberts and E.W.Tooker, 1958-1965 and E.W.Tooker, 1971-1972, 1977, 1985-1986

Geology of Bingham Mine area modified from Lanier (1978)

SCALE 1:24 000

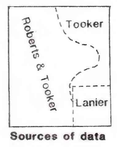
1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET

DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION



Sources of data

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

Preliminary geologic map of the Bingham Canyon Quadrangle , Tooele and Salt Lake Counties, Utah

By

Edwin W. Tooker and Ralph J. Roberts

1988