DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
87-152
Sheet 1 of 3

EXPLANATION

MAP UNITS

Qac	ALLUVIUM AND COLLUVIUM
Qlb	LAKE BONNEVILLE DEPOSITS
Qa	ALLUVIUM
Qh	HARKERS ALLUVIUM
Qj	JORDON NARROWS UNIT OF SLENTZ (1955)
Teh	EAGLE HILL RHYOLITE
Tlp	LAMPROHYRE
PMm	MANNING CANYON SHALE
Mgu	GREAT BLUE LIMESTONE, UPPER MEMBER
Mglt	GREAT BLUE LIMESTONE, LONG TRAIL SHALE MEMBER
Mgll	GREAT BLUE LIMESTONE, LOWER MEMBER
Mh	HUMBUG FORMATION
Md	DESERET LIMESTONE
Mg	GARDISON LIMESTONE
MDfp	FITCHVILLE FORMATION AND PINYON PEAK LIMESTONE
€l	LYNCH DOLOMITE
€b	BOWMAN LIMESTONE
€h	HARTMAN LIMESTONE
€o	OPHIR FORMATION
€t	TINTIC QUARTZITE

CORRELATION OF MAP UNITS

Qac	Holocene	Quaternary
Unconformity		
Qlb	Pleistocene	
Unconformity		
Qa		
Unconformity		
Qh		
Unconformity		
Qj	Oligocene	Tertiary
Unconformity		
Teh		
Unconformity		
Tlp		
Unconformity		
PMm	Upper Mississippian and Lower Pennsylvanian	Paleozoic
Mgu	Upper Mississippian	
Mglt	Upper Mississippian	
Mgll	Upper Mississippian	
Mh	Upper Mississippian	
Md	Upper Mississippian	
Mg	Lower Mississippian	
Unconformity		
MDfp	Lower Mississippian and Upper Devonian	
Unconformity		
€l	Upper and Middle(?) Cambrian	
€b	Middle Cambrian	
€h	Middle Cambrian	
€o	Middle and Lower Cambrian	
€t	Lower Cambrian	

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

Qls

Numbered water wells

(52)

Mines and prospects

Dams

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

Base from U. S. Geological Survey, 1968

Geology by Edwin E. W. Tooker assisted by T.-L. Vercoutere and D. B. Vander Meulen, 1981-1984

SCALE 1:24 000

GN MN
0° 51' 15 1/2°
15 miles 276 miles
UTM GRID AND 1980 MAGNETIC NORTH

Quadrangle Location
UTAH

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

Geologic Map of the Ophir Quadrangle, Tooele County, Utah

by Edwin W. Tooker

1987