10,000 Feet
8000
6000
4000
2000
0

1 RANDOLPH QUADRANGLE (RICHARDSON)

SYSTEM		
TERTIARY T	T	Wasatch formation
CRETACEOUS K	K	Bear River formation
JURASSIC J	J	Beckwith formation
		Twin Creek limestone
		Nugget sandstone
TRIASSIC Tr	Tr	Ankareh shale
		Thaynes limestone
		Woodside shale
PERMIAN P	P	Phosphoria formation
CARBONIFEROUS C	C	Wells formation
		Brazer limestone
	D	Madison limestone
		Three Forks limestone
DEVONIAN D	D	Jefferson dolomite
SILURIAN S	S	Laketown dolomite
ORDOVICIAN O	O	Fish Haven dolomite
		Swan Peak quartzite
		Garden City limestone
CAMBRIAN €	€	St. Charles formation
		Nounan limestone
		Bloomington formation
		Blacksmith limestone
		Ute limestone
		Langston limestone
		Brigham quartzite
PRE-CAMBRIAN pC	pC	

2 LOGAN QUADRANGLE (WILLIAMS)

T	T	Salt Lake gravel
		Wasatch gravel
		Wells formation
	C	Brazer formation
	D	Madison limestone
		Jefferson formation
		Water Canyon formation
	S	Laketown dolomite
		Fish Haven dolomite
	O	Swan Peak formation
		Garden City limestone
		St. Charles formation
	€	Nounan dolomite
		Bloomington formation
		Blacksmith dolomite
		Ute formation
		Langston formation
	€	Tintic quartzite
	pC	Pre-Cambrian

3 NORTH CENTRAL WASATCH (EARDLEY)

		Norwood tuff
		Knight formation
T		
		Fawkes formation
		(Saw Mill conglomerate)
		Almy formation
		(Pulpit conglomerate)
		Henefer formation
K		Frontier formation
	J	Aspen formation
		Kelvin formation
		Curtis formation
		Entrada formation
	J	Twin Creek limestone
		Nugget sandstone
	Tr	Ankareh formation
		Thaynes formation
	P	Woodside shale
	Tr	Park City formation
	C	Weber quartzite
		Morgan sandstone
		Brazer formation
	D	Madison limestone
	D	Three Forks formation
	O	
	€	Cambrian limestone and dolomite
	€	Ophir shale
	€	Tintic quartzite
	pC	Proterozoic 10,000'+
	pC	Farmington Canyon complex 10,000'+

4 WASATCH MOUNTAINS IN THE VICINITY OF SALT LAKE CITY (GRANGER, SHARP)

T	Conglomerate No. 2
	Andesitic volcanic rocks
	Limestone
	Conglomerate No. 1
	Conglomerate

5 DUCHESNE RIVER (HUDDLE, McCANN)

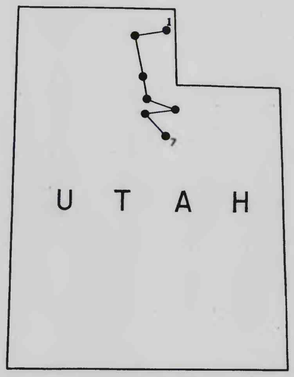
	Current Creek formation
K	Mesaverde formation
	(Aspen ?)
	Kelvin formation
	Morrison (?) formation (White Marker limestone)
	Preuss sandstone
J	Twin Creek limestone
	Nugget sandstone
Tr	Ankareh shale
	Thaynes formation
P	Woodside shale
Tr	Park City formation
C	Weber quartzite
	Morgan formation
	Great Blue (?) limestone
	Humbug formation
	Deseret limestone
	Madison limestone
D	Pinyon Peak limestone
O	Swan Peak (?) formation
€	Maxfield limestone
€	Ophir shale
€	Brigham quartzite
pC	Tillite and quartzite

6 COTTONWOOD AMERICAN FORK (CALKINS, BUTLER)

	Mancos shale
	Dakota sandstone
	Morrison formation
J	Curtis formation
	Entrada sandstone
	Twin Creek limestone
	Navajo sandstone
	Chinle formation
	Shinarump conglomerate
Tr	Ankareh shale
	Thaynes formation
P	Woodside shale
	Park City formation
C	Weber sandstone
	Morgan formation
	Black shale
	Humbug formation
	Deseret limestone
	Madison limestone
	Pine Valley quartzite
€	Uinta mountain group
pC	Ophir (?) formation

7 WASATCH MOUNTAINS IN THE VICINITY OF PROVO (BAKER)

	THIN SECTION NORTH OF THRUST	THICK SECTION SOUTH OF THRUST
T	Uinta formation	
	Green River formation	
	Flagstaff limestone	Park City formation
K	Price River conglomerate	Diamond Creek sandstone
	Morrison formation	Kirkman limestone
	Curtis formation	
J	Entrada sandstone	
	Twin Creek limestone	Oquirrh formation maximum thickness 26,000'
	Nugget sandstone	
	Ankareh shale	Manning Canyon shale
Tr	Thaynes formation	
	Woodside shale	
P	Park City formation	Great Blue limestone
	Weber quartzite	
	Morgan formation	
C	Great Blue limestone	
	Humbug formation	
	Deseret limestone	
	Madison limestone	
D	Jefferson dolomite	
€	Maxfield limestone	
€	Ophir shale	TOP OF CAMBRIAN QUARTZITE
€	Tintic quartzite	
	Tillite	
pC	Pre-Cambrian	



INDEX MAP

COLUMNAR SECTIONS OF NORTH CENTRAL UTAH