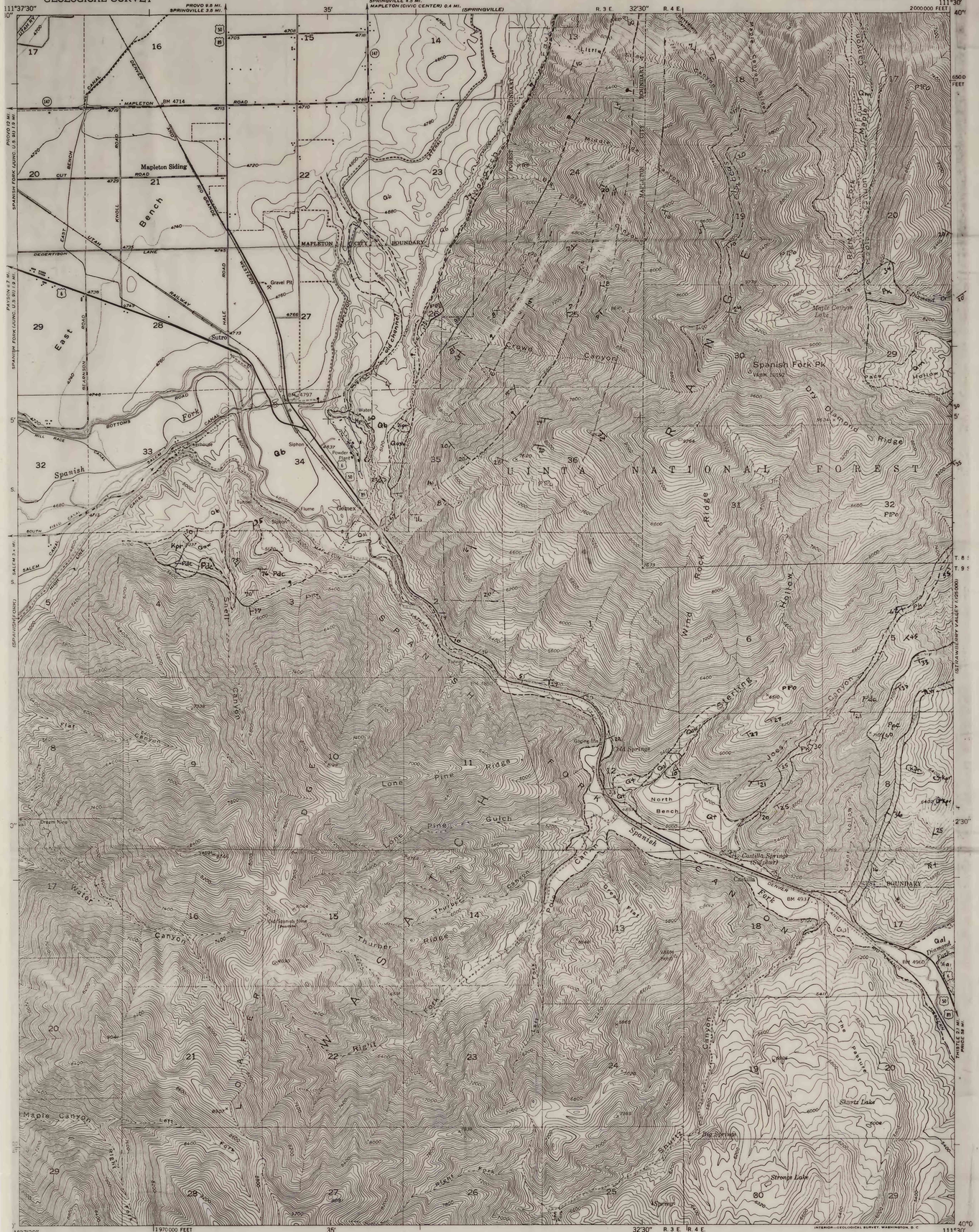
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# SPANISH FORK PEAK QUADRANGLE
UTAH-UTAH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)




Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods, and by plane-table surveys 1949
Aerial photographs taken 1946

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system, central zone

Dashed land lines indicate approximate location

Unchecked elevations are shown in brown

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1949
16½° TRUE NORTH MAGNETIC NORTH

ROAD CLASSIFICATION

| HARD-SURFACE ALL WEATHER ROADS | | DRY WEATHER ROADS |
|---|---|---|
| Heavy-duty | 4 LANE 2 LANE | Improved dirt |
| Medium-duty | 4 LANE 2 LANE | Unimproved dirt |
| Loose-surface, graded, or narrow hard-surface | | |

U. S. Route  State Route

SPANISH FORK PEAK, UTAH
N4000—W11130/7.5
EDITION OF 1951

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

U.S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

GEOLOGIC MAP OF NE PART OF
SPANISH FORK PEAK QUADRANGLE, UTAH
BY
ARTHUR A. BAKER
1972

Mapped mainly in 1952 with the assistance of S.O. Silva and R.M. Finks

## EXPLANATION

| | |
|---|---|
| Qal | Qt |
| Qow | Qm |

Qal, alluvial fill
Qt, terrace deposits
Qb, Lake Bonneville sediments and later alluvial deposits in basin
Qow, outwash
Qm, moraine and glacial outwash

**QUATERNARY**

**CRETACEOUS**

Kpr

PRICE RIVER FORMATION
Coarse conglomerate with boulders of gray limestone and quartzite up to one foot in diameter interbedded with red and gray marlstone, siltstone and sandstone.

Unconformity

**TRIASSIC**

Tra

ANKAREH SHALE
Thin-evenly-bedded light-reddish-brown sandy shale and shaly sandstone with abundant ripple marks

Trt

THAYNES FORMATION
Dark gray to pink and red limestone, brown weathering, fossiliferous, contains some chert, in part sandy interbedded with gray to pink limy sandstone and maroon, red and gray shale; thickness 1100 feet at mouth of Diamond Fork.

Trw

WOODSIDE FORMATION
Thin bedded red shale, siltstone, and fine grained sandstone 150 feet thick

Unconformity

**PERMIAN**

Ppc

PARK CITY FORMATION
Gray limestone with gray to white chert and with interbedded gray sandy limestone and buff limy sandstone 200 to 450 feet thick.

Pdc

DIAMOND CREEK SANDSTONE
Sandstone, gray, buff, yellowish brown, and red, thin-to thick-bedded, crossbedded, fine-to coarse-grained, limy to quartzitic with occasional beds of dark to light grey limestone in which no fossils were found ; thickness about 1000 feet.

Pk

KIRKMAN LIMESTONE
Limestone, gray to black, in part very finely laminated and commonly a recemented breccia of small angular fragments of the laminated limestone; thickness 75 to 200 feet.

**PENNSYLVANIAN AND PERMIAN**

PIPo

OQUIRRH FORMATION

Gray limy and quartzitic sandstone, medium-to fine grained, thin bedded to massive, weathering brown to tan, with occasional beds of brown to black sandy shale, includes a bed of medium gray limestone 75 feet thick exposed high on the ridge extending north from Spanish Fork Peak and numerous thinner beds of blue-gray limestone and medium gray sandy limestone; surfaces of limy sandstone are commonly marked with worm trails; thickness of formation exposed in quadrangle is about 5000 feet with some beds repeated by high and low angle faulting on west face of range; fusulinids are relatively abundant and as shown by attached register of collections range in age from Pennsylvanian Missouri to Permian Wolfcamp or Leonard.

Contact

Dashed where approximately located

Fault

Dashed where approximately located; dotted where inferred; bar and ball on downthrown side; direction and amount of dip shown by bar and figure.

T24
Strike and dip of strata

T70
Strike and dip of overturned strata

12-9

Register of fusulinid collections from Oquirrh Formation in Spanish Fork Peak quadrangle, Utah

Identification by L. G. Henbest and R.C. Douglass

| USGS Col.No. | Loc. by sec., T. and R., in feet S. from N. line and E. from W. line and approx. altitude | Identification | Age |
|---|---|---|---|
| f 9692 | Sec. 12, T.9S., R.3E. N. end of Cold Springs pond. | Climacammina sp.<br>Tetrataxis sp.<br>Schubertella sp.<br>Pseudofusulina sp.<br>Pseudoschwagerina sp. | Wolfcamp |
| f 9691 | Sec.12,T.9S.,R.3E. 100 ft.S. and 2600 ft.E. in road cut. | Triticites sp. large<br>Pseudofusulina ? sp. | Wolfcamp |
| f 9635 | Sec. 3, T.9S., R.3E., 3160 ft.S.,800 ft.E. 5900 ft. alt. | Climacammina sp.<br>Schwagerina sp.<br>Parafusulina ? sp.<br>Triticites sp.? large | Wolfcamp-Leonard? |
| f 9693 | Sec.35,T.8S,R.3E., 3400 ft.S.,400 ft.E. 5040 ft. alt. | Climacammina sp.<br>Pseudofusulina sp.<br>Pseudoschwagerina sp. | Wolfcamp |
| f 9694 | Sec.35, T.8S.,R.3E., 3600 ft.S.,1000 ft.E. 5300 ft.alt. | Schwagerina sp.<br>Pseudofusulina sp. | Wolfcamp |
| F 9634 | Sec.36,T.8S.,R.3E., 1650 ft.S.,2525 ft.E. 8480 ft.alt. | Climacammina sp.<br>Bradyina sp.<br>Triticites sp. large<br>Pseudofusulina sp. | Wolfcamp |
| f 9633 | Sec.26,T.8S.,R.3E. 4700 ft.S.,4425 ft.E., 6520 ft.alt. | Triticites sp. small | Missouri-Virgil |
| f 9632 | Sec.25T.8S.,R.3E. 2500 ft.S.,200 ft.E. 6720 ft.alt. | Kansanella sp. | Missouri |
| f 9630 | Sec.30T.8S.,R.4E. 1100 ft.S.,3200 ft.E. 9590 ft.alt. | Climacammina sp.<br>Triticites sp. aff.I. ventricosus<br>Schwagerina sp.<br>Pseudoschwagerina sp. | Wolfcamp |
| f 9629 | Sec. 18T.8S.,R.4E. 4050 ft.S. 3850E. 8440 ft.alt. | Climacammina sp.<br>Tetrataxis sp.<br>Bradyina sp.<br>Schubertella sp.<br>Pseudofusulinella sp.<br>Triticites sp. aff I. cellamagnus<br>Pseudofusulina sp. | Wolfcamp |
| f 9628 | Sec.18,T.8S.,R.4E. 3600 ft.S.3600 ft.E. 8190 ft.alt. | Climacammina sp.<br>Bradyina sp.<br>Triticites sp. aff.I. cellamagnus | Wolfcamp |
| f 9631 | Sec.23,T.8S.,R.3E. 4400 ft.S.,4100 ft.E. 5460 ft.alt. | Climacammina sp.<br>Bradyina sp.<br>Millerella sp.<br>Triticites sp.small | Missouri-Virgil |