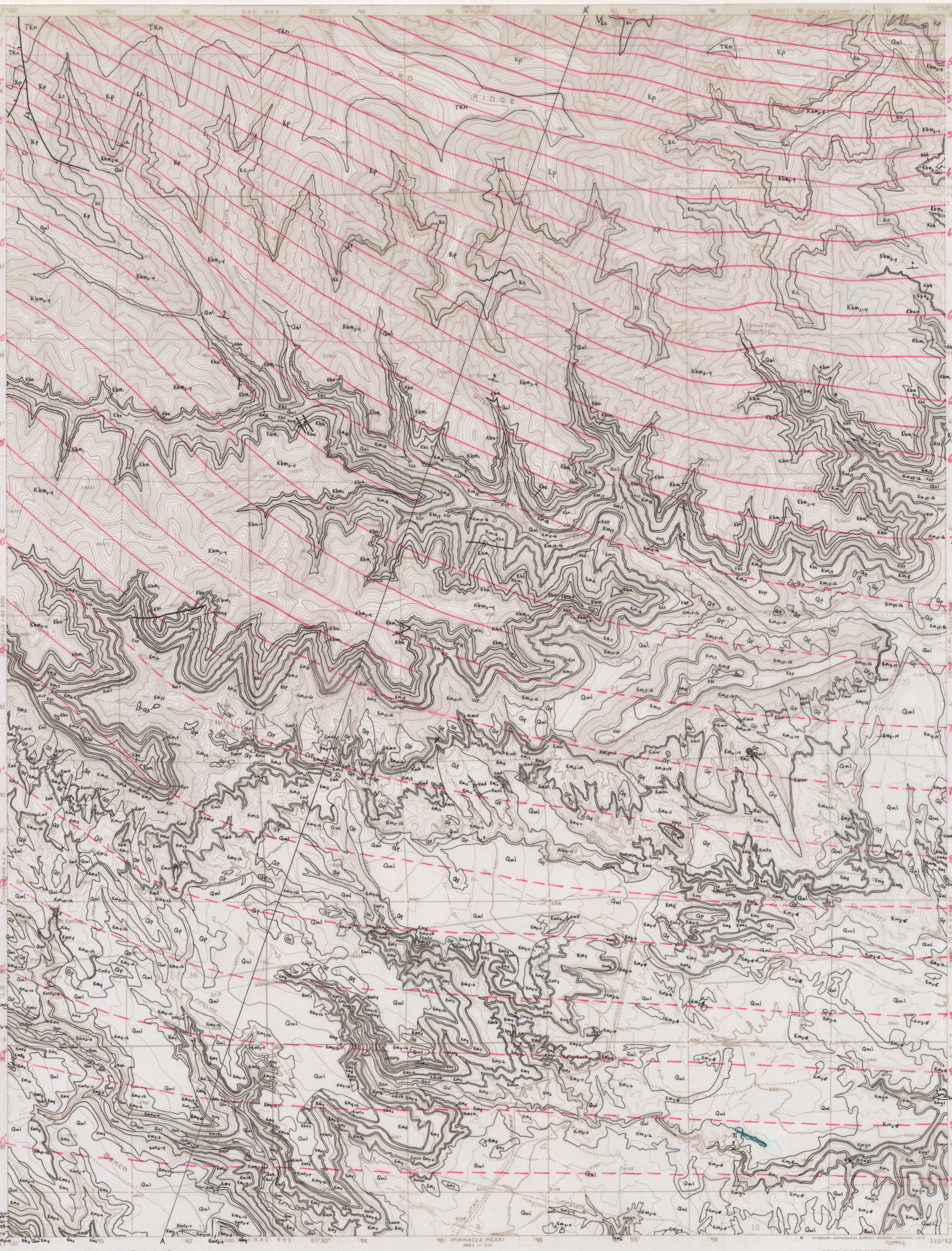
Plate 1

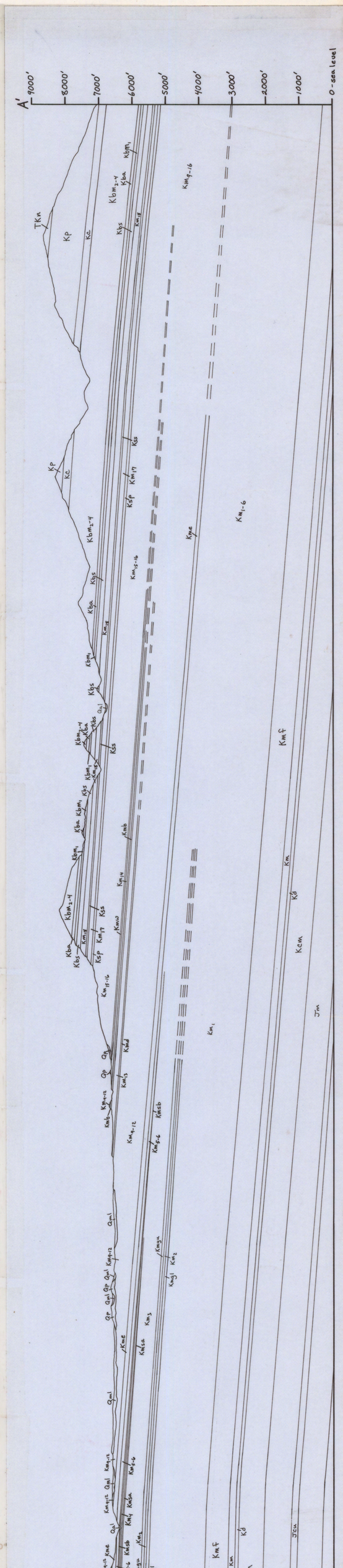
INTERIM GEOLOGIC MAP OF THE STANDARDVILLE QUADRANGLE, CARBON COUNTY, UTAH

by Richard E. Carroll

Utah Geological Survey Open-File Report 299 September 1993

Reference: Carroll, R. E., 1987, Geology of the Standardville 7½′ quadrangle, Carbon County, Utah: Brigham Young University Geology Studies, v. 34, pt. 1, p. 1-31
Thesis Chairman: J. Keith Rigby.
Field work during 1983.





Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1972. Field checked 1972

Projection and 10,000-foot grid ticks: Utah coordinate system, central zone (Lambert conformal conic)
1000-metre Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

STANDARDVILLE, UTAH
NW/4 CASTLE GATE 15′ QUADRANGLE
N3937.5—W11052.5/7.5
1972

EXPLANATION

Subsurface Units

CRETACEOUS

- Kmf — MANCOS SHALE, Ferron Sandstone Member
- Km — Shale Members
- Kd — DAKOTA SANDSTONE
- Kcm — CEDAR MOUNTAIN FORMATION

JURASSIC

- Jm — MORRISON FORMATION
- Jcu — CURTIS FORMATION
- Je — ENTRADA SANDSTONE
- Jca — CARMEL FORMATION

CRETACEOUS

- Kmt — MANCOS SHALE, Trail Canyon Sandstone Member
- Kmw — Wildcat Canyon Sandstone Member
- Kmb — Bull Point Sandstone Member
- Kmd — Dempseyville Sandstone Member
- Kmsc — Sandstone C
- Kme — Emery Sandstone Member
- Kmsb — Sandstone B
- Kmsa — Sandstone A
- Kmgu — Upper Garley Canyon Sandstone Member
- Kmgl — Lower Garley Canyon Sandstone Member
- Km — Shale Members

QUATERNARY

- Qal — RECENT ALLUVIUM
- Qoa — OLDER ALLUVIUM
- Qml — MANCOS SHALE LAG
- Qp — PEDIMENT GRAVEL

TERTIARY

- Ti — IGNEOUS DIKE

CRETACEOUS

- TKn — NORTH HORN FORMATION
- Kp — PRICE RIVER FORMATION
- Kc — CASTLEGATE SANDSTONE
- Kbm — BLACKHAWK FORMATION, Mudstone Members
- Kbk — Kenilworth Sandstone Member
- Kba — Aberdeen Sandstone Member
- Kbs — Spring Canyon Sandstone Member
- Kss — STAR POINT SANDSTONE, Storrs Sandstone Member
- Ksp — Panther Sandstone Member

SYMBOLS

- Contact; dashed where inferred or approximately located.
- Normal fault; showing downthrown side, dashed where inferred.
- Structural contour; dashed where inferred. Datum base: top of Spring Canyon Sandstone
- Strike and dip of bedding.
- Mine portal.

Richard Carroll