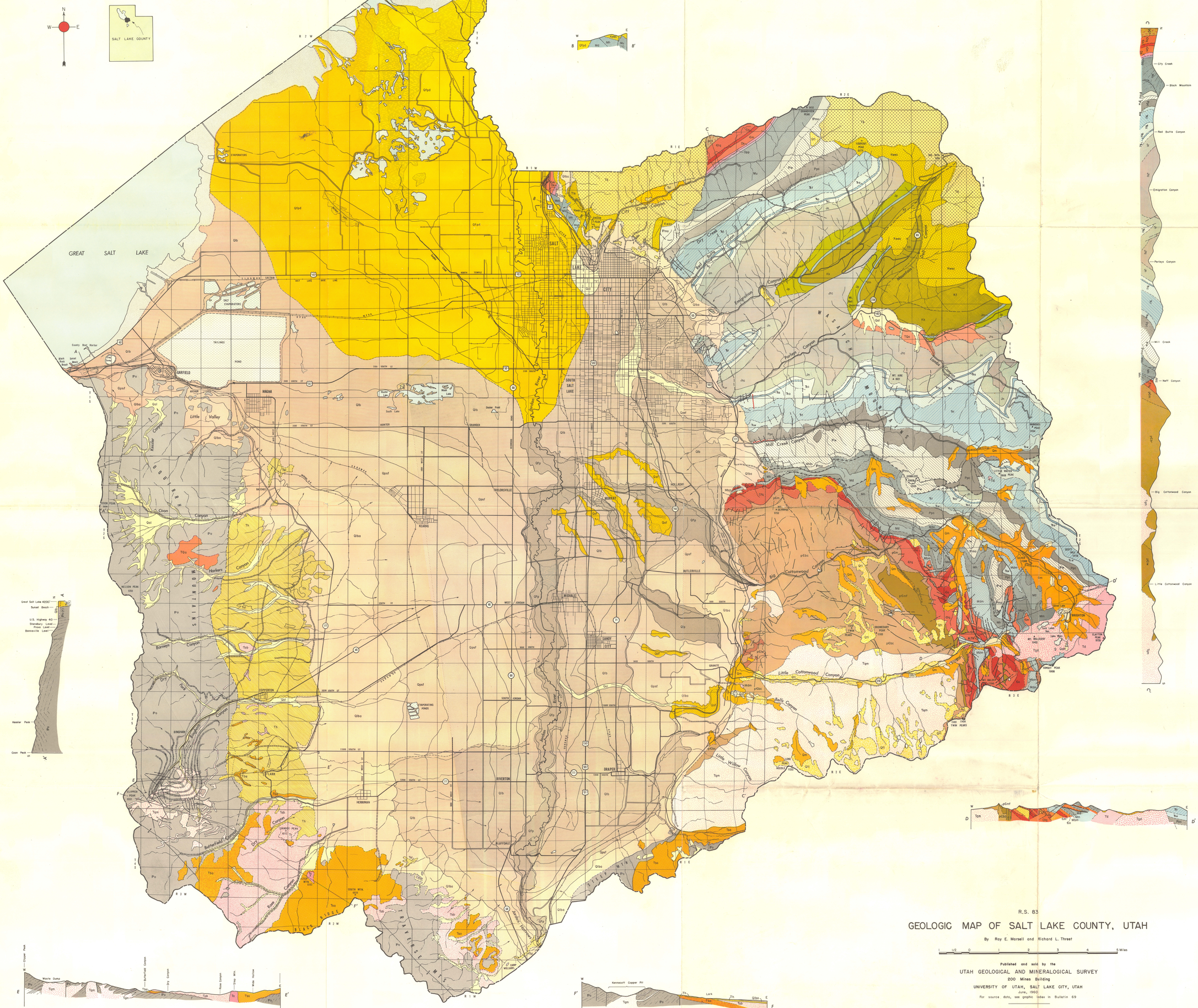

LEGEND

GENOZOIC ROCKS

QUATERNARY

Post-Lake Bonneville

- Salt flat — Qsf
- Alluvial fans & colluvial deposits — Qal
- Flood plain deposits along existing streams — Qfp
- Jordan River flood plain & delta complex — Qfpd
- Abandoned channel flood plain deposits — Qaf

Pre-Lake Bonneville

- Provo & younger lake bottom silts & sands — Qlb
- Provo & younger shore facies of sand & gravel — Qpsf
- Lake Bonneville–Alpine deposits, chiefly shore facies of gravels & sands, & offshore silts — Qlba
- Glacial till, chiefly Wisconsin — Qm
- Talus & landslides — Qti

TERTIARY

Pliocene

- Older alluvium, high level remnants — TQa

Mio-Pliocene

- Harkers fanglomerate — Th
- Salt Lake group (Jordan Narrows & Camp Williams undifferentiated) — Tsl

Oligocene

- South Mountain andesite flows — Tsa
- Rose Canyon latite–andesite volcanics — Tob
- Butterfield andesite flows — Tba

Eocene

- Knight conglomerate — Tk

Paleocene

- Tertiary limestone — Tls

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MESOZOIC ROCKS

CRETACEOUS

- Wanship-Echo Canyon formation — Kwsc

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- Frontier formation — Kf
- Kelvin formation — Kk

JURASSIC

- Morrison formation — Jm
- Preuss formation — Jp
- Twin Creek limestone — Jtc
- Nugget sandstone — Jn

TRIASSIC

- Chinle formation — Tc
- Shinarump formation — Ts
- Ankareh shale — Tra
- Thaynes limestone — Tr
- Woodside shale — Trw

PALEOZOIC ROCKS

PERMIAN

- Park City formation — Ppc

PENNSYLVANIAN

- Weber quartzite — IPw
- Morgan formation — IPmo
- Oquirrh formation — IPo

MISSISSIPPIAN

- Doughnut formation / Great Blue limestone — Mdo / Mgb
- Humbug formation — Mh
- Deseret limestone — Md
- Madison limestone — Mm
- Deseret & Madison undifferentiated — Mdm
- Basal Mississippian limestone — Mbm
- Undifferentiated Mississippian limestone — Mu

DEVONIAN

- Pinyon Peak limestone — Dpp
- Stansbury formation — Ds

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CAMBRIAN

- Maxfield limestone — Cm
- Ophir shale — Co
- Tintic quartzite — Ctq

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PRECAMBRIAN ROCKS

- Mutual quartzite — pCm

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- Mineral Fork tillite — pCmf

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- Big Cottonwood complex — pCbc

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- Little Willow series — pCw

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- Farmington complex — pCf

PLUTONIC ROCKS

- Shaggy Peak rhyolite plug — Tr
- Step Mountain andesite neck — To
- Bingham & Little Cottonwood stocks, quartz monzonite — Tqm
- Alta stock, granodiorite — Tpd
- Clayton Peak stock, diorite — Td
- Acidic dikes & sills
- Tertiary volcanics undifferentiated — Tv

R.S. 83

GEOLOGIC MAP OF SALT LAKE COUNTY, UTAH

By Roy E. Marsell and Richard L. Threet

1/2 0 1 2 3 4 5 Miles

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