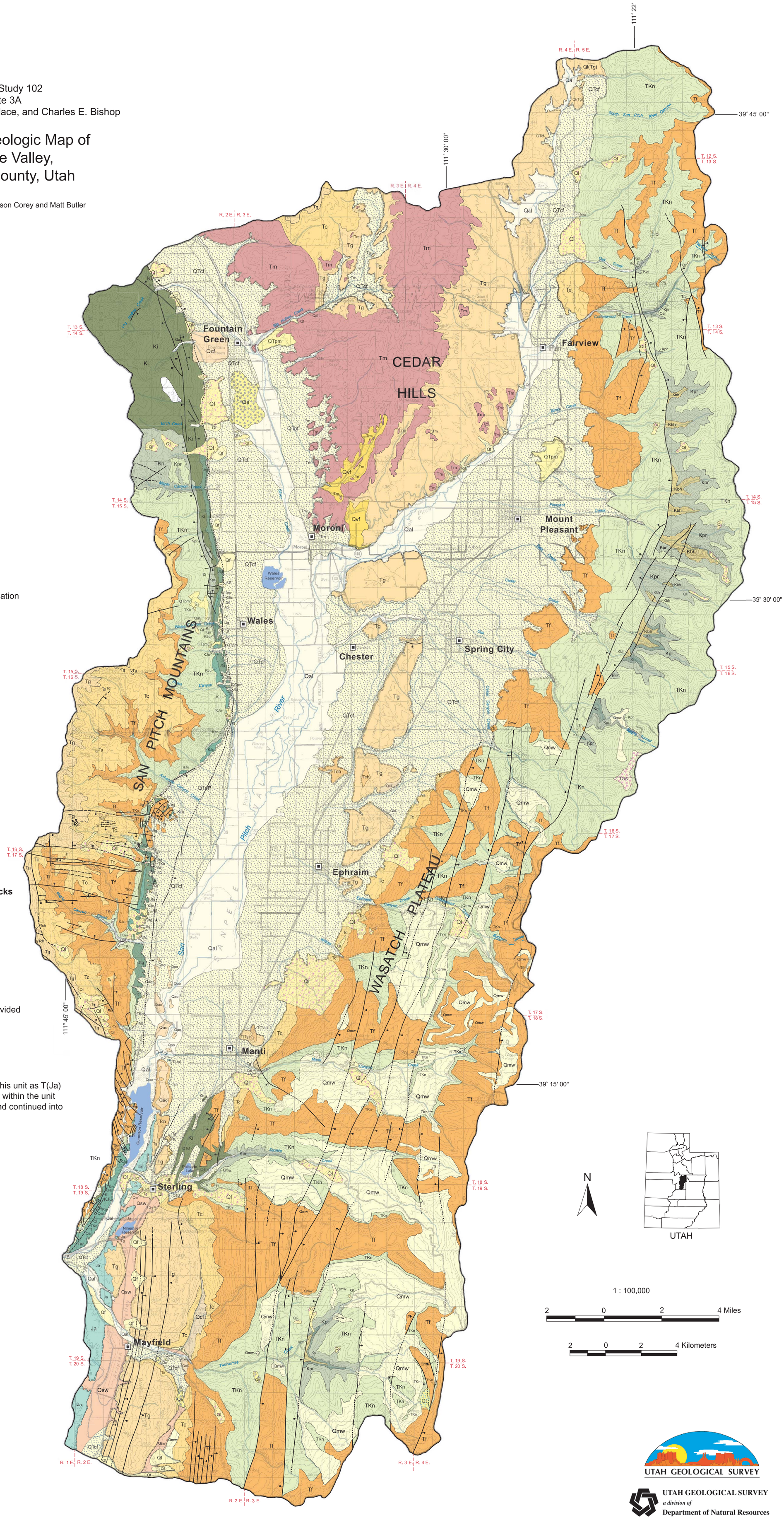
Special Study 102
Plate 3A
By Mike Lowe, Janae Wallace, and Charles E. Bishop

Compiled Geologic Map of Sanpete Valley, Sanpete County, Utah

Digital compilation by Alison Corey and Matt Butler



EXPLANATION

Contact

Fault Contact

- Bar and ball on downthrown side
- Concealed (approximately located)
- Inferred

Units

Quaternary Deposits

- Qal — Alluvium
- Qcl — Colluvium
- Qf — Alluvial-fan deposits
- Qcf — Coalesced alluvial-fan deposits
- Qvf — Valley-fill deposits
- Qsw — Slope-wash deposits
- Qtu — Tufa deposits
- Qe — Earthflow deposits
- Ql(Tg) — Landslide block of Green River Formation
- Ql — Landslide deposits
- Qrs — Rockslide deposits
- Qof — Older alluvial-fan deposits
- Qmw — Mass-wasting deposits
- Qt — Glacial till
- Qao — Older alluvium

Quaternary-Tertiary Deposits

- QTcf — Coalesced alluvial-fan deposits
- QTpm — Pediment mantle

Tertiary Detachment Blocks

- T(Tch) — Displaced Block of the Oligocene Crazy Hollow Formation
- T(Tg) — Displaced Block of the Eocene Green River Formation

Tertiary Sedimentary Rocks

- Tch — Crazy Hollow Formation
- Tg — Green River Formation
- Tc — Colton Formation
- Tf — Flagstaff Limestone

Tertiary Extrusive Igneous Rocks

- Tm — Moroni Formation

Tertiary and Mesozoic Sedimentary Rocks

- TKn — North Horn Formation

Mesozoic Sedimentary Rocks
Cretaceous

- Kpr — Price River Formation
- Kc — Castlegate Sandstone
- Ki — Indianola Group
- Kbh — Black Hawk Formation

Cretaceous and Jurassic

- KJu — Cretaceous and Jurassic strata, undivided

Jurassic

- Jtg — Twist Gulch Formation
- Ja — Arapien Shale*

*Witkind and Weiss (1987) mapped this unit as T(Ja) based on their interpretation that salt within the unit has been moving since deposition and continued into the Tertiary

1 : 100,000

2 0 2 4 Miles

2 0 2 4 Kilometers

Projection: UTM Zone 12
Units: Meters
Datum: 1927 North American
Spheroid: Clarke 1866
Base maps from U.S. Geological Survey
Manti 30 x 60 minute quadrangle, 50-meter contour interval
Nephi 30 x 30 minute quadrangle, 50-meter countour interval

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