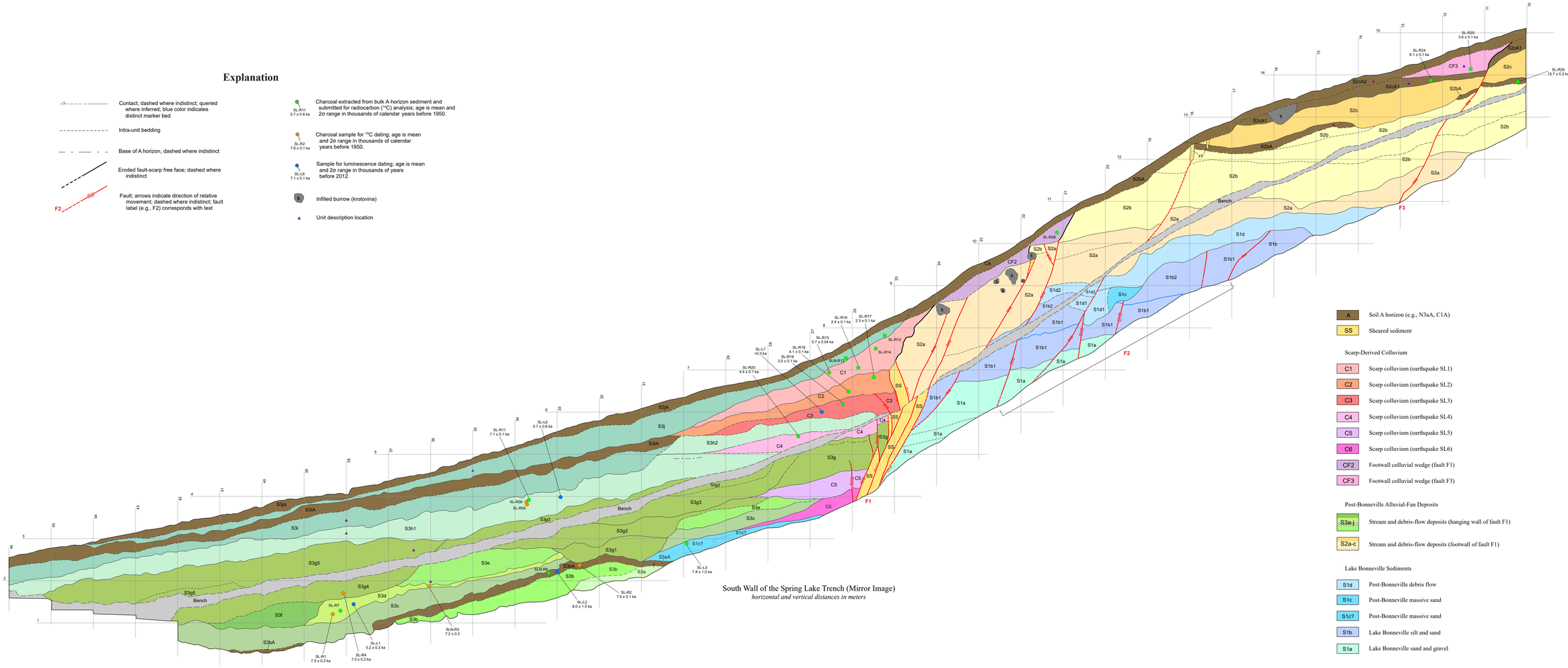
UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources

Plate 2
Utah Geological Survey Special Study 159
Holocene Surface-Faulting Earthquakes on the Nephi Segment of the Wasatch Fault Zone

Explanation

- Contact; dashed where indistinct; queried where inferred; blue color indicates distinct marker bed
- Intra-unit bedding
- Base of A horizon, dashed where indistinct
- Eroded fault-scarp free face; dashed where indistinct
- Fault; arrows indicate direction of relative movement; dashed where indistinct; fault label (e.g., F2) corresponds with text
- Charcoal extracted from bulk A-horizon sediment and submitted for radiocarbon (^{14}C) analysis; age is mean and 2σ range in thousands of calendar years before 1950.
- Charcoal sample for ^{14}C dating; age is mean and 2σ range in thousands of calendar years before 1950.
- Sample for luminescence dating; age is mean and 2σ range in thousands of years before 2012.
- Infilled burrow (krotovina)
- Unit description location



South Wall of the Spring Lake Trench (Mirror Image)
horizontal and vertical distances in meters

- A — Soil A horizon (e.g., N3aA, C1A)
- SS — Sheared sediment

Scarp-Derived Colluvium

- C1 — Scarp colluvium (earthquake SL1)
- C2 — Scarp colluvium (earthquake SL2)
- C3 — Scarp colluvium (earthquake SL3)
- C4 — Scarp colluvium (earthquake SL4)
- C5 — Scarp colluvium (earthquake SL5)
- C6 — Scarp colluvium (earthquake SL6)
- CF2 — Footwall colluvial wedge (fault F1)
- CF3 — Footwall colluvial wedge (fault F3)

Post-Bonneville Alluvial-Fan Deposits

- S3a-j — Stream and debris-flow deposits (hanging wall of fault F1)
- S2a-c — Stream and debris-flow deposits (footwall of fault F1)

Lake Bonneville Sediments

- S1d — Post-Bonneville debris flow
- S1c — Post-Bonneville massive sand
- S1c? — Post-Bonneville massive sand
- S1b — Lake Bonneville silt and sand
- S1a — Lake Bonneville sand and gravel

STRATIGRAPHIC AND STRUCTURAL RELATIONS IN THE SOUTH WALL OF THE SPRING LAKE TRENCH