

Figure 3. Detailed surficial geologic map of the Wasatch fault zone adjacent to American Fork Canyon trenching site. Outline of this figure is shown on geologic map. Geologic units described in Description of Map Units in pamphlet. Location of exploratory trenches are shown by bar and abbreviated trench name (AF-1, AF-2, AF-3, American Fork Canyon trench). Slope of geomorphic surface shown by hollow arrow symbol (angle shown in degrees as measured with Abney level or from topographic map). Hinge line of tilted fan-delta surface shown by hollow anticline symbol.

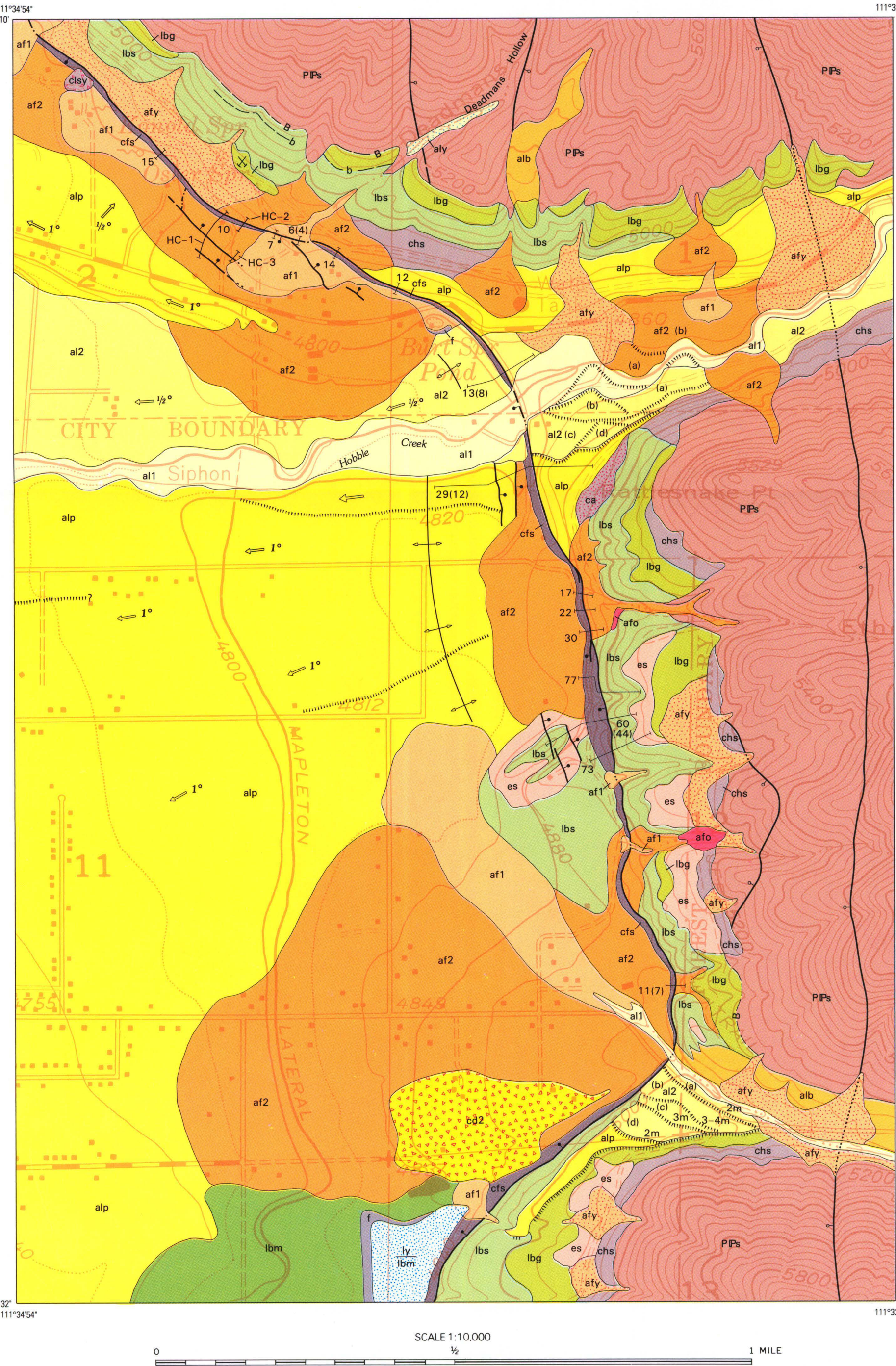
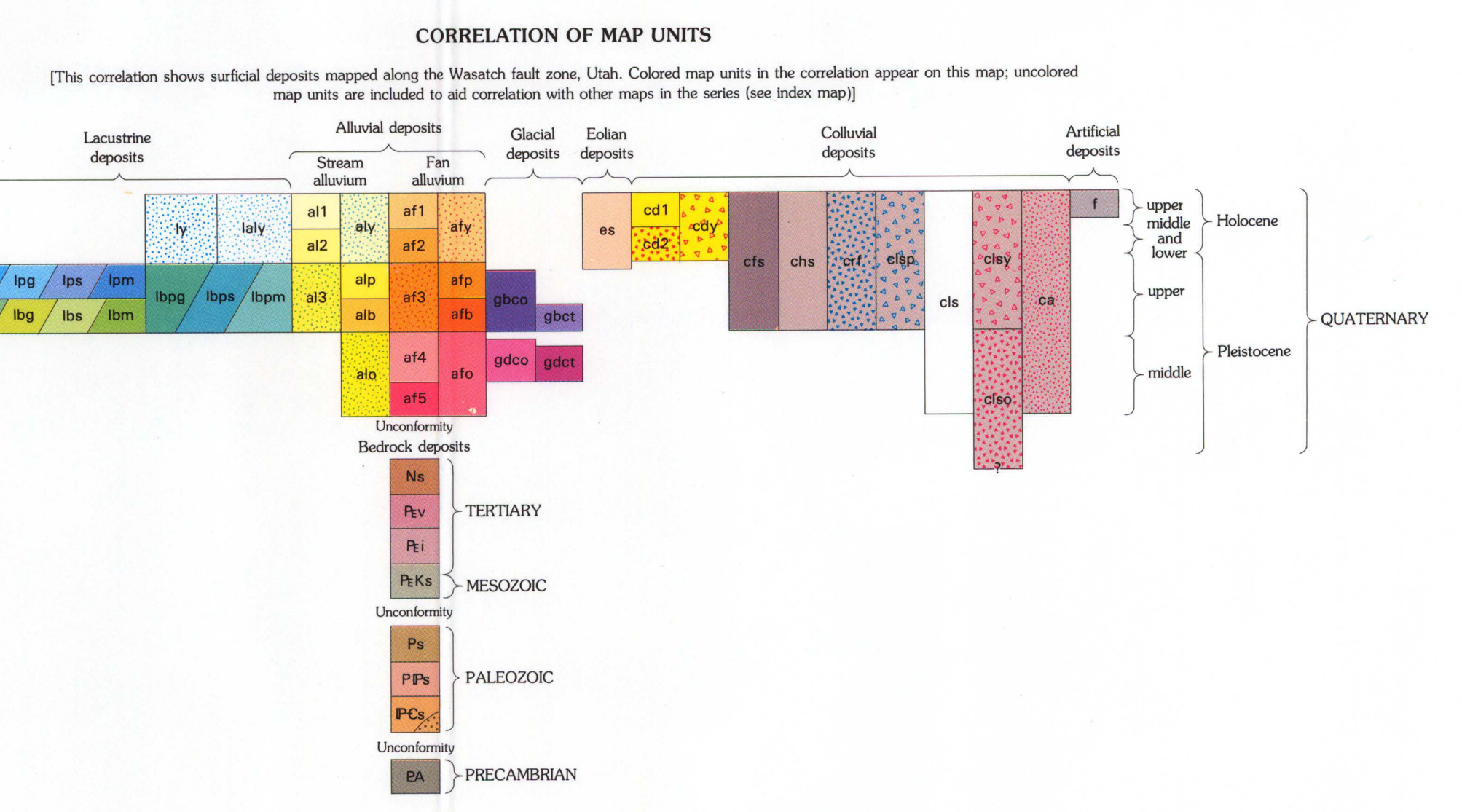


Figure 4. Detailed surficial geologic map of the Wasatch fault zone adjacent to Hinkle Creek and Deadman Hollow study areas. Outline of this figure is shown on geologic map. Geologic units described in Description of Map Units in pamphlet. Location of exploratory trenches are shown by bar and abbreviated trench name (HC-1, HC-2, HC-3, Hinkle Creek, Deadman Hollow). Slope of geomorphic surface shown by hollow arrow symbol (angle shown in degrees as measured with Abney level or from topographic map). Hinge line of tilted fan-delta surface shown by hollow anticline symbol. Tectonic terraces along the two major streams are designated as subunits of unit #12 (a) (low) to (d) (high); height between successive terraces shown in meters.

SURFICIAL GEOLOGIC MAP OF THE WASATCH FAULT ZONE, EASTERN PART OF UTAH VALLEY, UTAH COUNTY AND PARTS OF SALT LAKE AND JUAB COUNTIES, UTAH

By  
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LIST OF MAP UNITS  
(See Description of Map Units in pamphlet for detailed descriptions of units)

- LACUSTRINE DEPOSITS**
- Deposits younger than the Bonneville Lake Cycle (Bonneville to upper Pleistocene)
- ay1 Younger lacustrine and marsh deposits, undivided
  - ay2 Lacustrine, marsh, and alluvial deposits, undivided
  - ay3 Deposits of the Provo (regressive) phase of the Bonneville lake cycle (upper Pleistocene)
  - ay4 Older lacustrine deposits
  - ay5 Lacustrine gravel
  - ay6 Lacustrine sand
  - ay7 Lacustrine silt and clay
- Deposits of the Bonneville (transgressive) phase of the Bonneville lake cycle (upper Pleistocene)
- by1 Older lacustrine deposits
  - by2 Lacustrine gravel
  - by3 Lacustrine sand
  - by4 Lacustrine silt and clay
  - by5 Deposits of the Bonneville lake cycle, undivided by phase (upper Pleistocene)
  - by6 Lacustrine sand
  - by7 Lacustrine silt and clay
- ALLUVIAL DEPOSITS**
- Deposits of stream alluvium
- al1 Stream alluvium, unit 1 (upper Holocene)
  - al2 Stream alluvium, unit 2 (middle Holocene to upper Pleistocene)
  - al3 Younger stream alluvium, undivided (Holocene to upper Pleistocene)
  - al4 Stream alluvium related to the Provo phase of the Bonneville lake cycle (upper Pleistocene)
  - al5 Stream alluvium related to the Bonneville phase of the Bonneville lake cycle (upper Pleistocene)
  - al6 Older stream alluvium, undivided (upper to middle Pleistocene; probably pre-Lake Valley lake cycle)
- Deposits of fan alluvium
- fa1 Fan alluvium, unit 1 (upper Holocene)
  - fa2 Fan alluvium, unit 2 (middle Holocene to upper Pleistocene)
  - fa3 Younger fan alluvium, undivided (Holocene to upper Pleistocene)
  - fa4 Fan alluvium related to the Provo phase of the Bonneville lake cycle (upper Pleistocene)
  - fa5 Fan alluvium related to the Bonneville phase of the Bonneville lake cycle (upper Pleistocene)
  - fa6 Fan alluvium unit 3, related to undivided phases of the Bonneville lake cycle (upper Pleistocene)
  - fa7 Fan alluvium, unit 4 (upper to middle Pleistocene; pre-Bonneville lake cycle)
  - fa8 Fan alluvium, unit 5 (middle Pleistocene; pre-Lake Valley lake cycle)
  - fa9 Older fan alluvium, undivided (upper to middle Pleistocene; pre-Bonneville lake cycle)
- GLACIAL DEPOSITS**
- gl1 Outwash of the Snake Canyon advance (upper Pleistocene; Possible equivalent)
  - gl2 Till of the Snake Canyon advance (upper Pleistocene; Possible equivalent)
  - gl3 Outwash of the Dry Creek advance (upper middle Pleistocene; Snake Lake equivalent)
  - gl4 Till of the Dry Creek advance (upper middle Pleistocene; Snake Lake equivalent)
- ESOLIAN DEPOSITS**
- el1 Eolian sand and silt (Holocene to upper Pleistocene)
- COLLUVIAL DEPOSITS**
- cl1 Colluvium, unit 1 (upper Holocene)
  - cl2 Colluvium, unit 2 (middle Holocene to upper Pleistocene)
  - cl3 Colluvium, unit 3 (upper Pleistocene)
  - cl4 Colluvium, unit 4 (upper Pleistocene)
  - cl5 Colluvium, unit 5 (upper Pleistocene)
  - cl6 Colluvium, unit 6 (upper Pleistocene)
  - cl7 Colluvium, unit 7 (upper Pleistocene)
  - cl8 Colluvium, unit 8 (upper Pleistocene)
  - cl9 Colluvium, unit 9 (upper Pleistocene)
  - cl10 Colluvium, unit 10 (upper Pleistocene)
  - cl11 Colluvium, unit 11 (upper Pleistocene)
  - cl12 Colluvium, unit 12 (upper Pleistocene)
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  - cl99 Colluvium, unit 99 (upper Pleistocene)
  - cl100 Colluvium, unit 100 (upper Pleistocene)
- ARTIFICIAL DEPOSITS**
- ar1 Artificial fill and associated disturbed ground (historic)
- BEDROCK**
- ne Neogene sedimentary rocks
  - pv Paleogene volcanic rocks
  - ps Paleogene sedimentary rocks
  - ps1 Paleogene sedimentary rocks, upper part (Lower Permian and Pennsylvanian)
  - ps2 Paleogene sedimentary rocks, middle part (Lower Permian and Pennsylvanian)
  - ps3 Paleogene sedimentary rocks, lower part (Lower Permian and Pennsylvanian)
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  - ps100 Paleogene sedimentary rocks, lower part (Lower Permian and Pennsylvanian)

Figure 5. Detailed surficial geologic map of the Wasatch fault zone adjacent to Spanish Fork Canyon study area. Outline of this figure is shown on geologic map. Geologic units described in Description of Map Units in pamphlet. Lines of transverse show scarp height and first surface offset values (in parentheses) in meters. Slope of geomorphic surface shown by hollow arrow symbol (angle shown in degrees as measured with Abney level or from topographic map). Hinge line of tilted fan-delta surface shown by hollow anticline symbol.