

2480, MOUNTAIN HOME RANGE (WEST SIDE) FAULTS

Structure number: 2480.

Comments: Hecker's (1993) fault number 9-36.

Structure name: Mountain Home Range (west side) faults.

Comments: Unnamed faults on the west side of Mountain Home Range.

Synopsis: Poorly understood Quaternary(?) faults along the west flank of Mountain Home Range in southwestern Utah.

Date of compilation: 10/99.

Compiler and affiliation: Bill D. Black (Utah Geological Survey) and Suzanne Hecker (U.S. Geological Survey).

State: Utah

County: Millard, Beaver.

1° x 2° sheet: Lund.

Province: Basin and Range.

Reliability of location: Poor.

Comments: Mapping from Dohrenwend and others (1991).

Geologic setting: Short, generally north-trending normal faults along the west side of Mountain Home Range from Cenozoic Basin and Range extension. Mountain Home Range is in a Paleozoic center of deposition in southwestern Utah termed the Confusion Basin.

Sense of movement: N.

Comments:

Dip: No data.

Comments:

Dip direction: W.

Geomorphic expression: Bedrock-alluvium contact.

Age of faulted deposits: Quaternary (?).

Paleoseismology studies: None.

Timing of most recent paleoevent: (5) Quaternary (<1.6 Ma).

Comments: Based on fault control of the bedrock-alluvium contact.

Recurrence interval: No data.

Comments:

Slip rate: Unknown, probably <0.2 mm/yr.

Comments:

Length: End to end (km): 26

Cumulative trace (km): 16

Average strike (azimuth): N5°W

REFERENCES

- Dohrenwend, J.C., Schell, B.A., and Moring, B.C., 1991, Reconnaissance photogeologic map of young faults in the Lund 1° by 2° quadrangle, Nevada and Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-2180, scale 1:250,000.
- Hecker, Suzanne, 1993, Quaternary tectonics of Utah with emphasis on earthquake-hazard characterization: Utah Geological Survey Bulletin 127, 2 plates, scale 1:500,000, 257 p.