Geomorphic Fault Mapping in the Central-Northern Walker Lane

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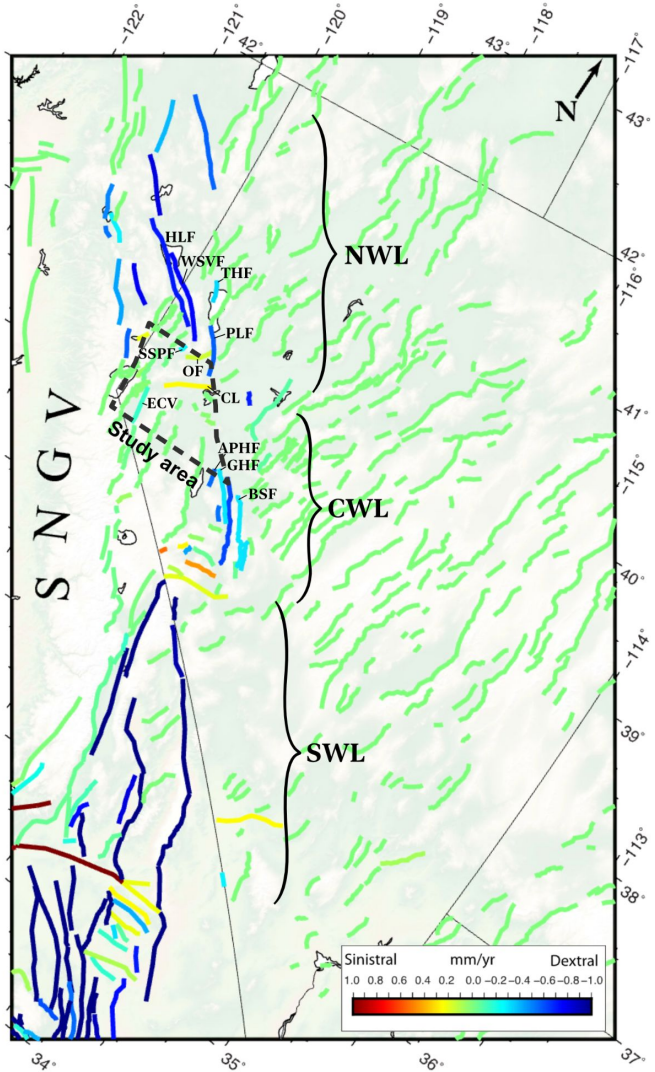
nbmg

SCEC

Motivation

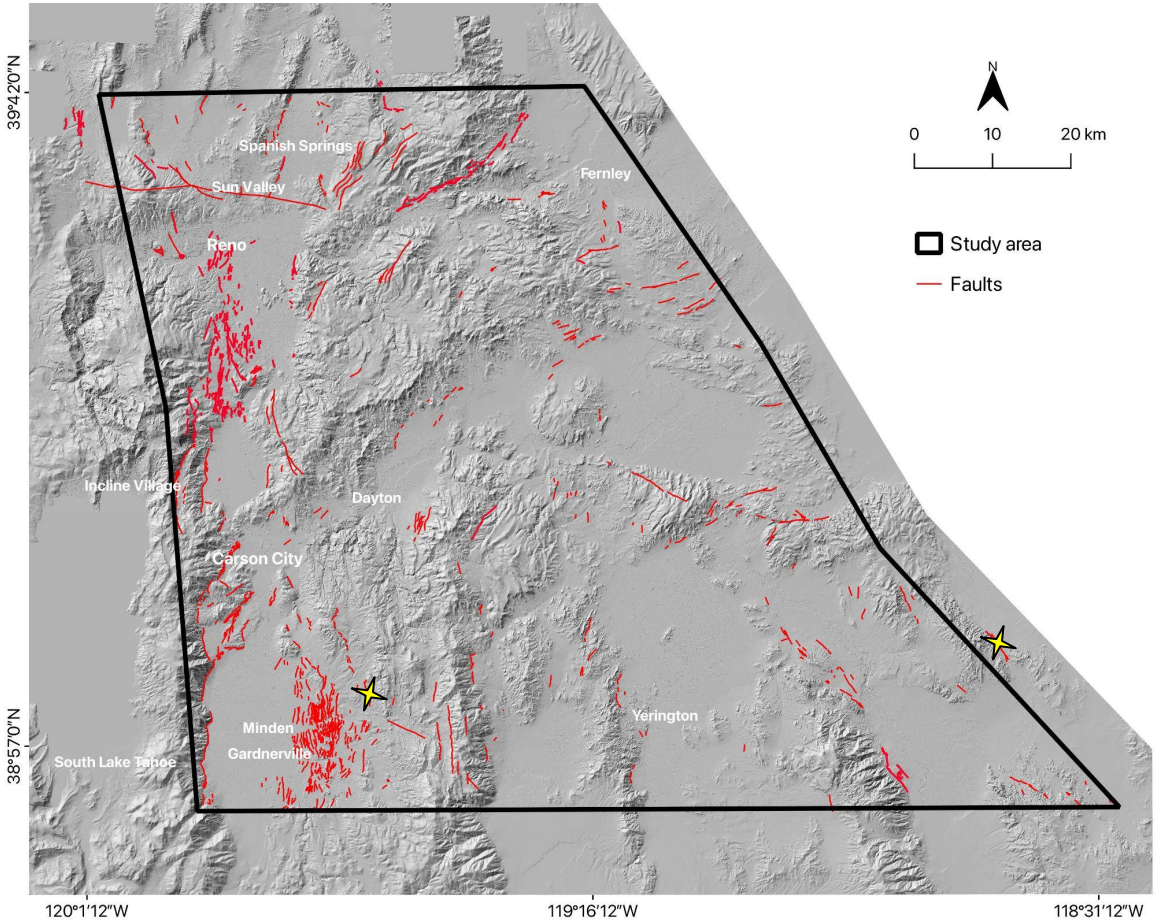
- **Availability of high-resolution lidar → Updating regional fault maps (QFFD and NSHM)**

- **Strike-slip gap? Missing structures (strike-slip or normal)?**

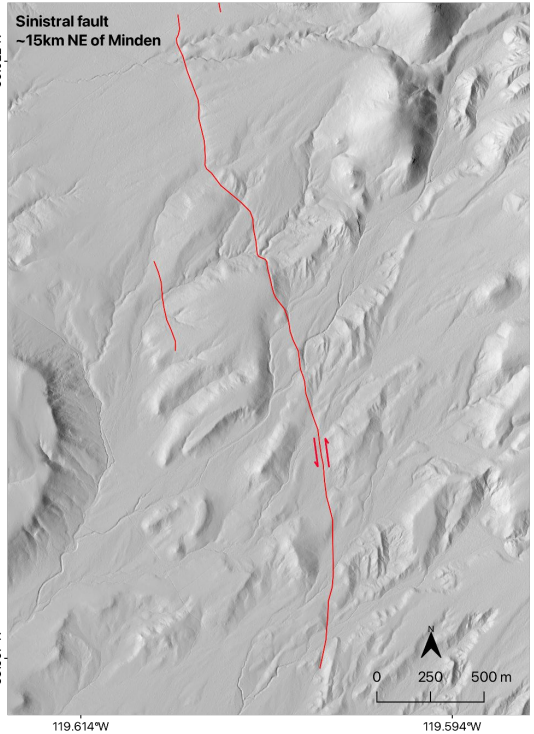


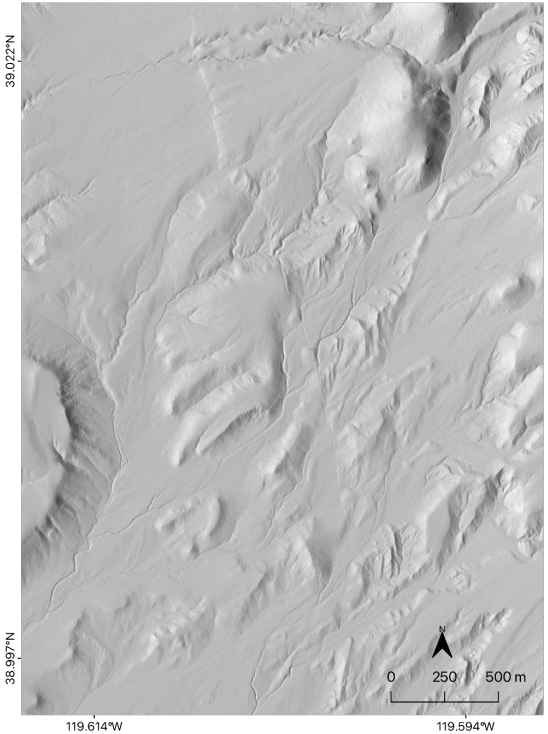
Strike slip component of National Seismic Hazard Model faults in the Walker Lane, modified from Hammond et al. (2024).

Geomorphic fault mapping



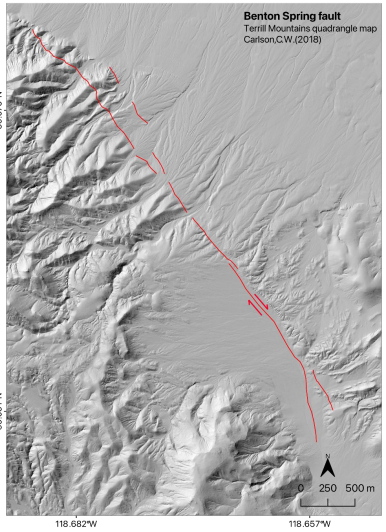
More strike-slip structures exist

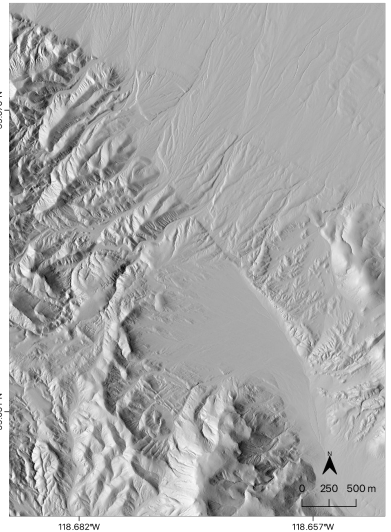




Where? NE of Minden, Terrill Mountains, Wassuk Range, East Carson Valley fault zone, and others.

Future work → Kinematics, geometry, paleoseismic studies





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