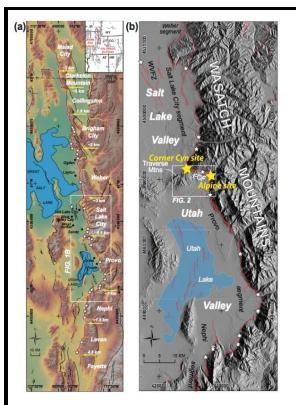


Segmentation of the Wasatch fault zone, Utah--summaries, analyses, and interpretations of geological and geophysical data

U.S. G.P.O. - BARGEN continuous GPS data across the eastern Basin and Range province, and implications for fault system dynamics



Description: -

- Economic policy -- Environmental aspects.
Environmental policy.
Natural resources.
Faults (Geology) -- Utah. Segmentation of the Wasatch fault zone, Utah--summaries, analyses, and interpretations of geological and geophysical data

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Analyzing shallow faulting at a site in the Wasatch fault zone, Utah, USA, by integrating seismic, gravity, magnetic, and trench data

Maps show the slip vectors red arrows with 70 per cent confidence ellipses along the hangingwall of block boundaries green lines that represent the Great Rift GR and Shoshone SH volcanic rift zones.

Abstract

The closely grouped locations of the poles of the Centennial Tectonic Belt, Snake River Plain, Idaho batholith and eastern Oregon suggest common driving mechanisms but preclude that Yellowstone hotspot volcanism e. The CDP numbers are from the original processing performed at Cornell University.

Abstract

Panel a reports a model in which Vf merges into the deep Acquasanta thrust, suggesting a negative inversion, similar to the models proposed by some authors e.

Thesaurus Terms

The remaining traveltimes that passed the reciprocity test were inverted using the multiscale SIRT algorithm described in and , which incorporates multiscale smoothing filters see for inversion parameters. There may be considerable uncertainty in fault dip for any given plane imaged on reflection profiles as a result of migration, uncertainties in velocity and 3-D effects such as out-of-plane reflections.

Fault segmentation: New concepts from the Wasatch Fault Zone, Utah, USA

Alternatively, we evaluate the 1994-2010 velocity field for the presence of a viscoelastic relaxation signal.

Lecture 1.2

The compilation of EFSM20 relies heavily on publicly available datasets and voluntarily contributed datasets spanning large regions, as well as solicited local contributions in specific areas of interest. In space, the fault scarp coincides with the lacustrine-deltoid and alluvial-deltoid terraces of Lake Baikal and the Selenga river and complicated by eolian deposits. Characteristic slip causes a kink in the frequency magnitude relationship, known as characteristic recurrence Fig.

Lecture 1.2

Two additional faults are interpreted outside the trench.

Insights into Wasatch fault vertical slip rates using the age of sediments in Timpanogos Cave, Utah

The reprocessing strategy and parameters were thus focused on improving upper-to-middle crustal reflection coherency and not on the shallow basin reflectivity, which does not accordingly show improvement.

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