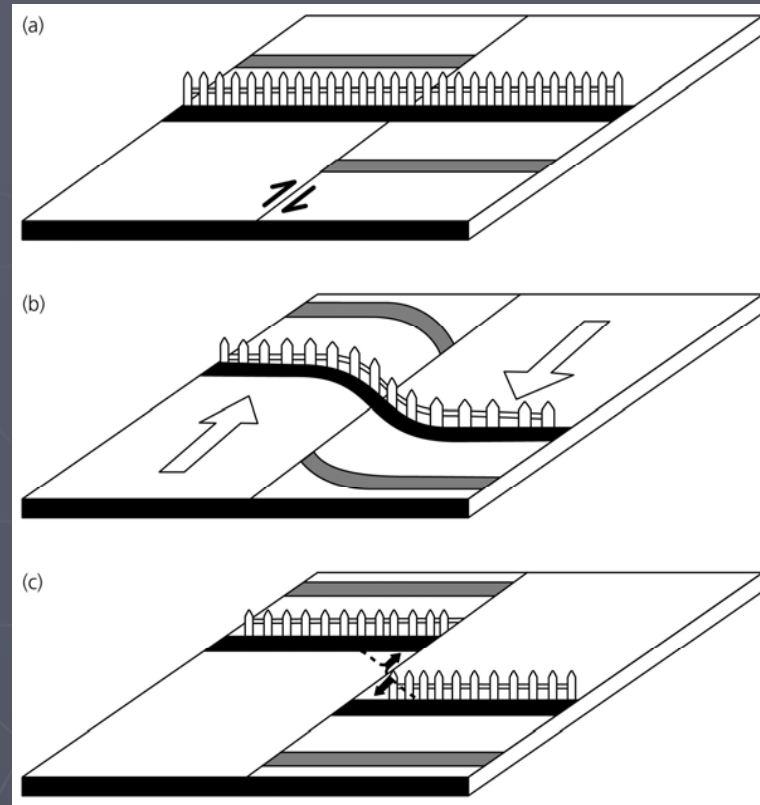
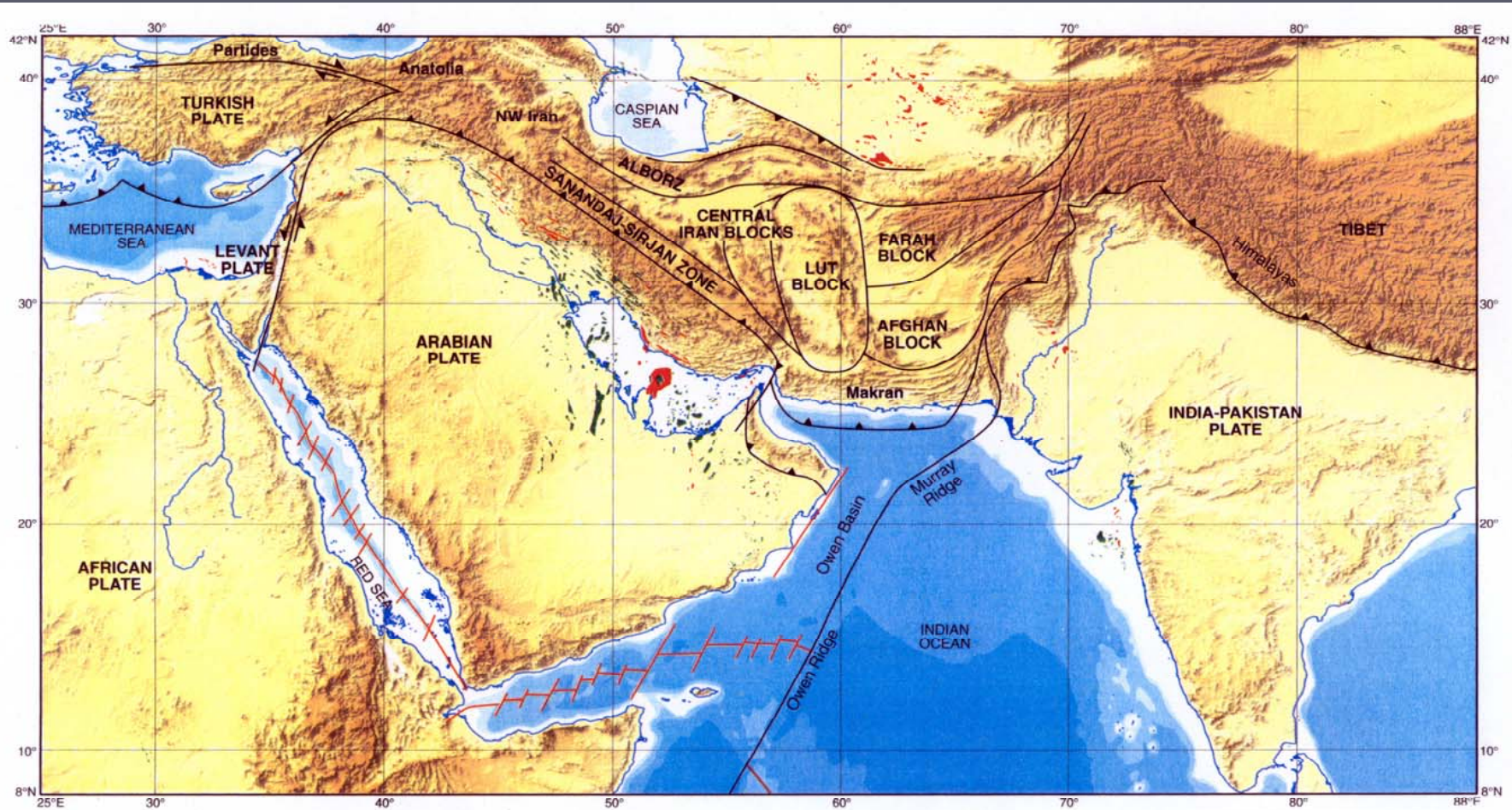


Model of the Earthquake Cycle

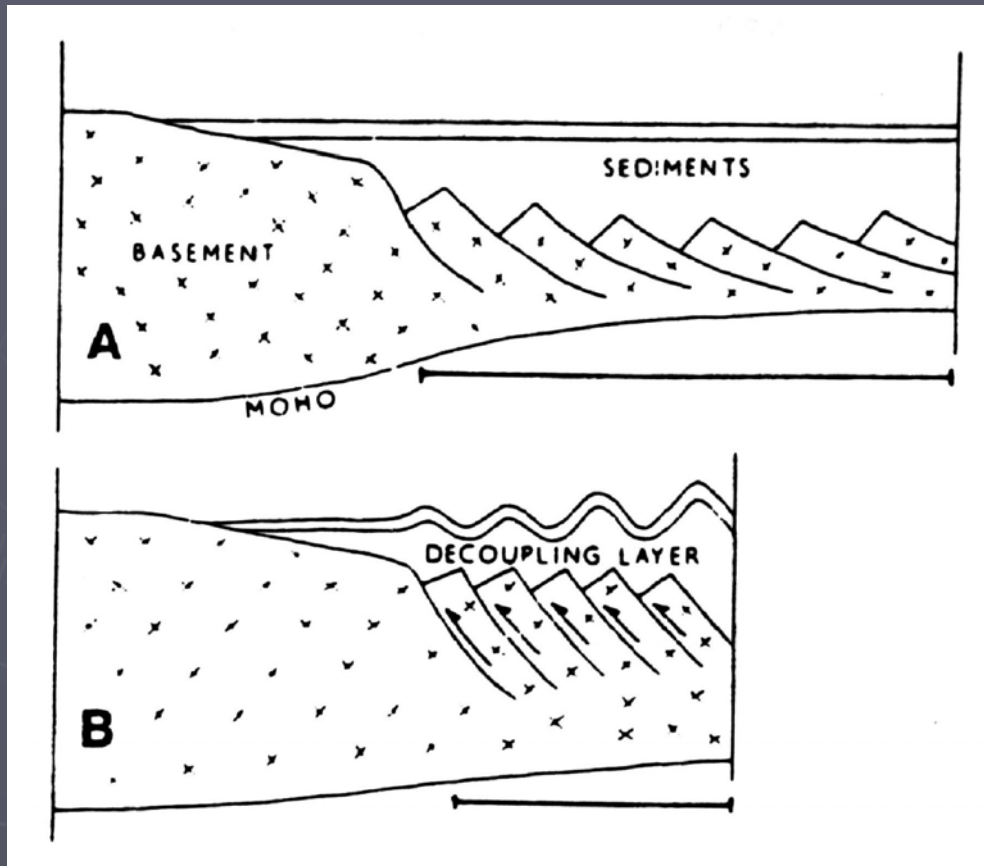


Interseismic

Coseismic



Sharland, et al., 2001

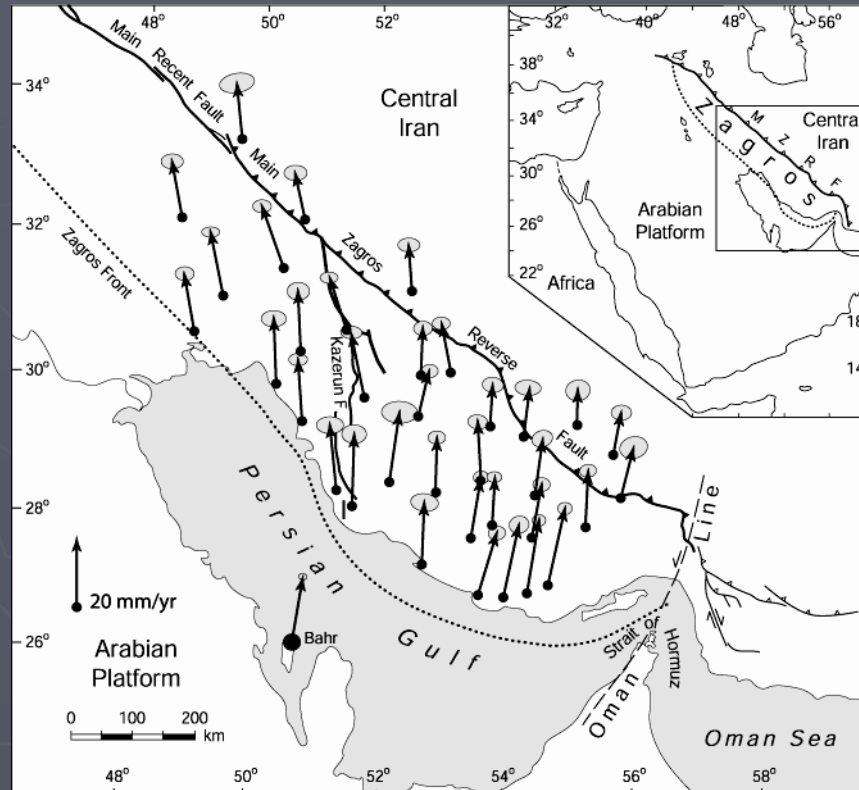


Stage 1: Extension
And sediment accumulation

Stage 2: Contraction
Folding and thrusting

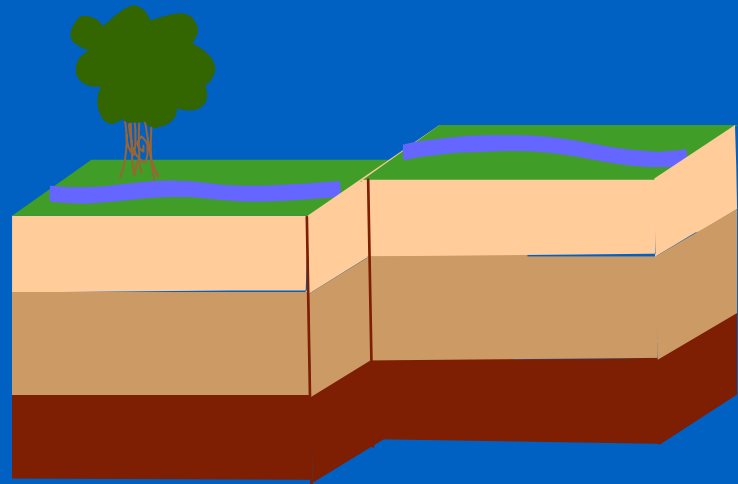
Jackson, 1980

GPS velocity field in an Eurasian fixed reference frame

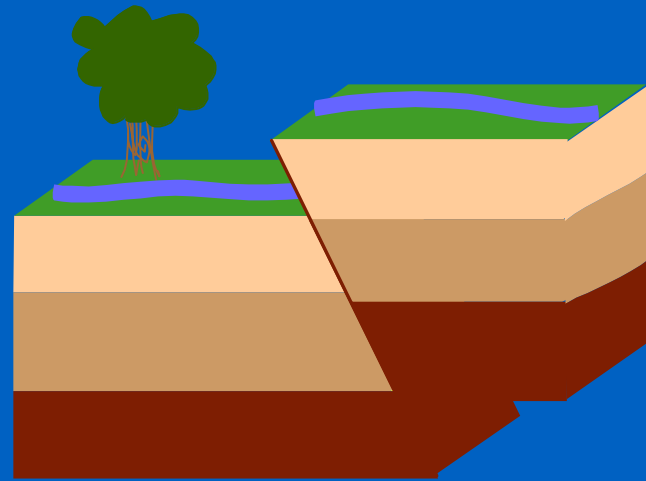


Hessami et al. 2006

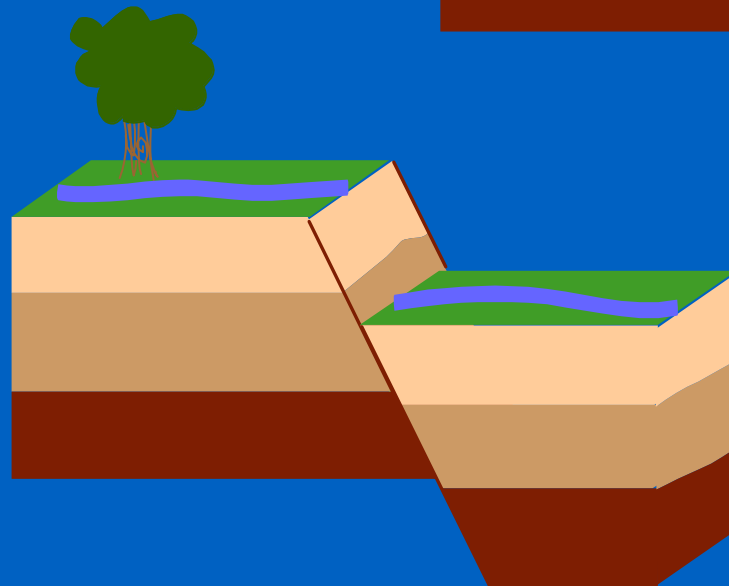
Three Types of Faults



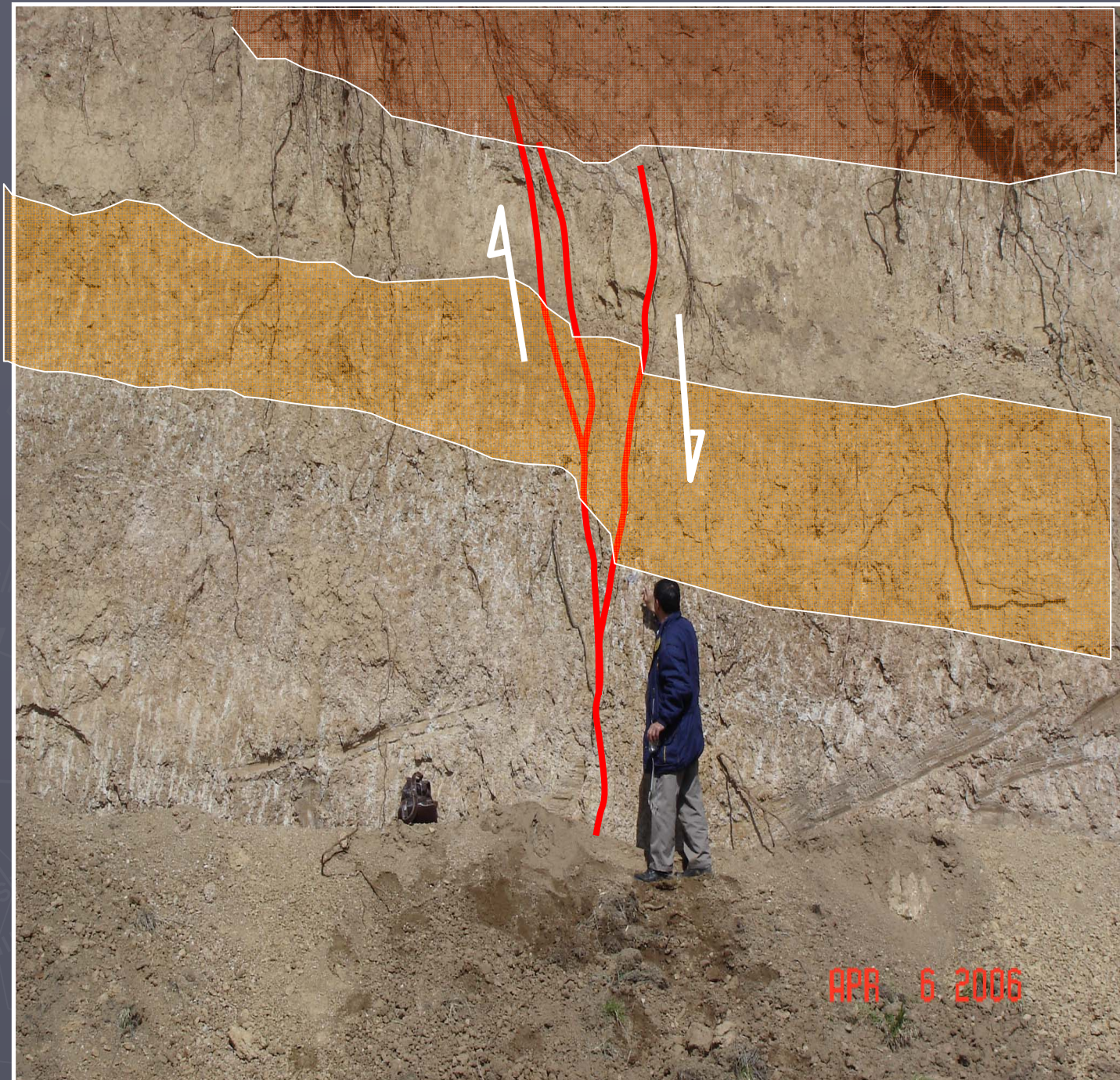
Strike-Slip



Thrust



Normal



Back tilting of bedding and ground surface resulted from normal faulting



Fault scarp

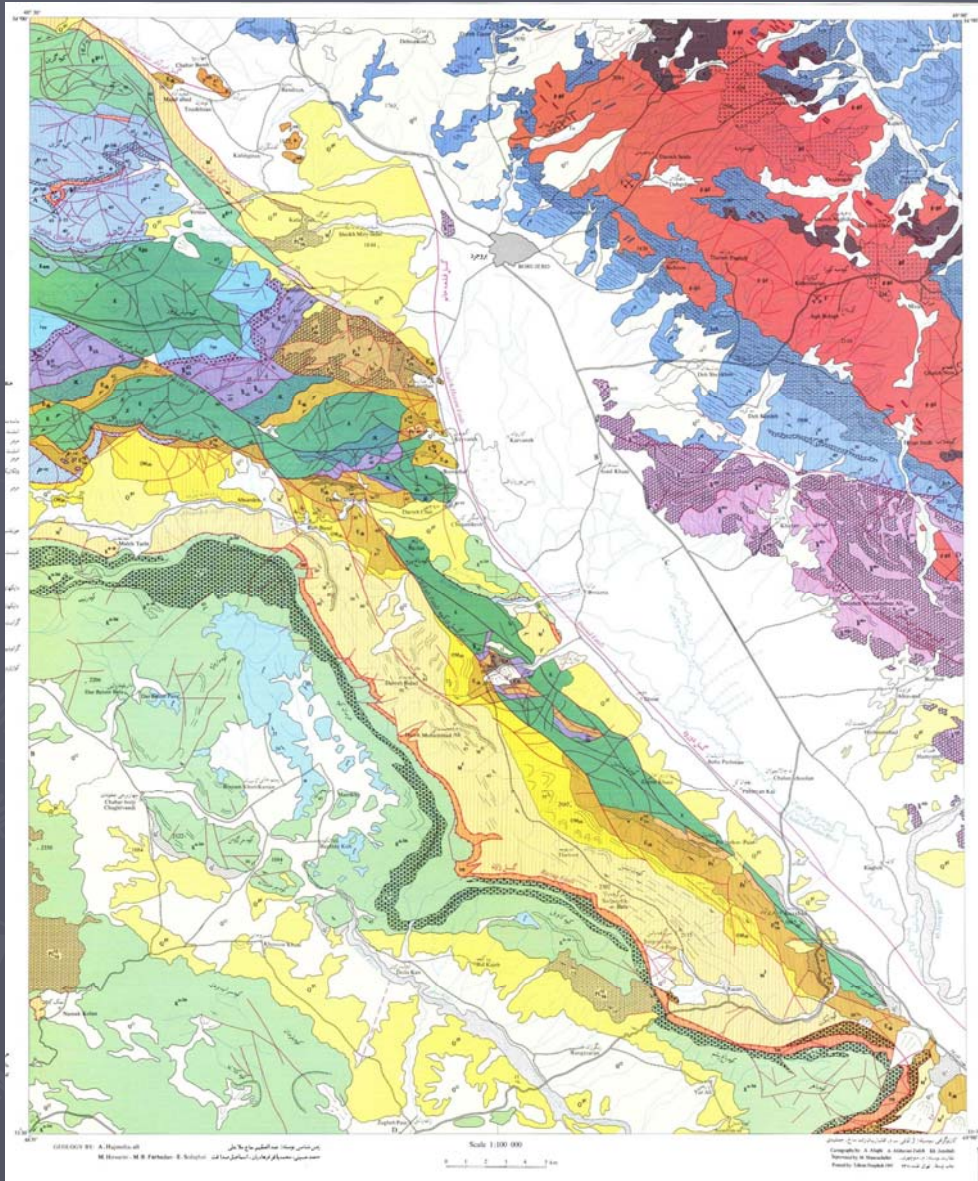


Fault scarp



Fault scarp





Geological map
Scale: 1: 100,000

Geological Survey of Iran

Normal Fault trace marked by Triangular facet (flatiron)
NW Broujerd



Normal Fault trace marked by Triangular facet (flatiron)
NW Broujerd



Right-lateral movement of streams
SE Dorud



Talebian and Jackson 2002

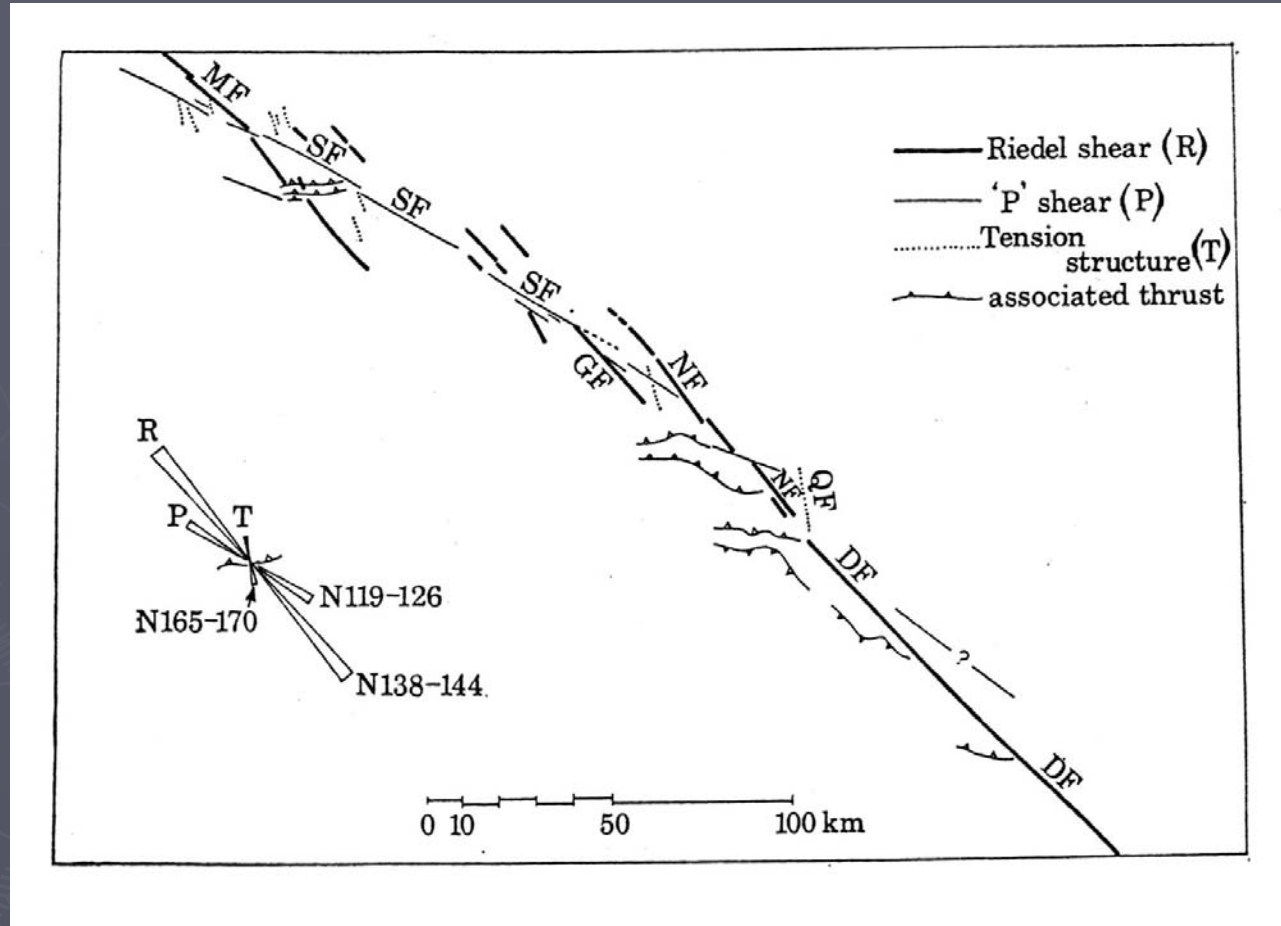
Right-lateral movement of Qanat bed
Looking NE



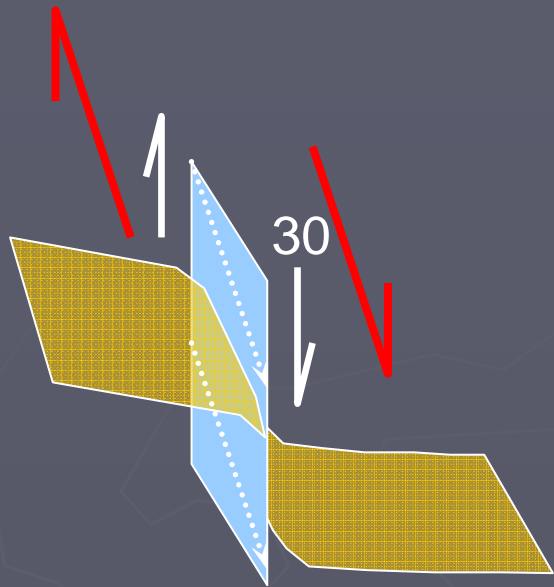
Right-lateral movement of Qanat bed
Looking SW



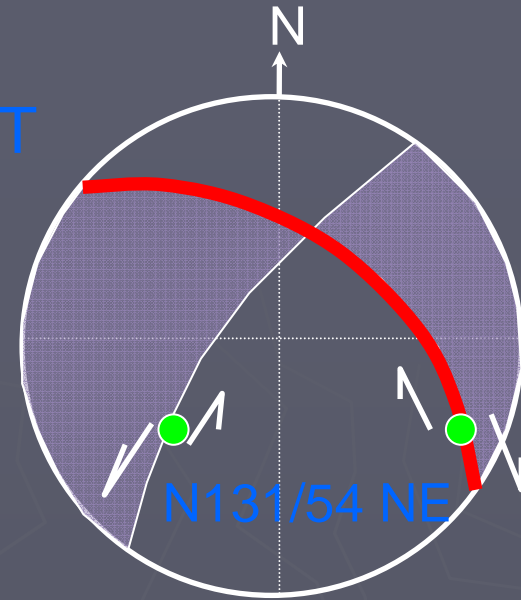
Different segments of the Main Recent Fault



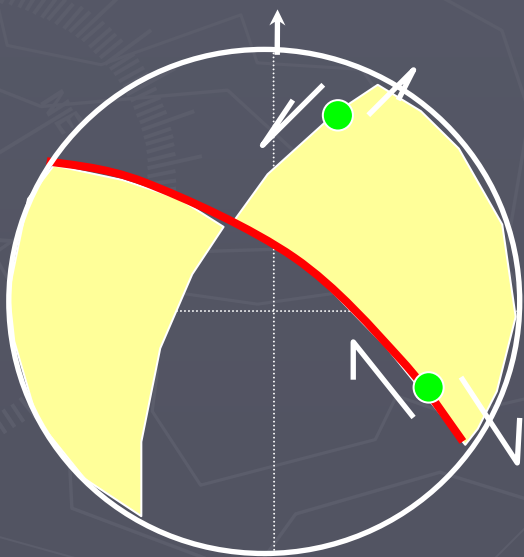
Tchalenko, 1974



HVD- CMT



N 125 / 80 NE



USGS

