IT1 – Unconformity Surfaces

NZ 3D Processing

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INSTITUTE FOR GEOPHYSICS

CGG
Passion for Geoscience

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- The unconformity surfaces were load to the system and overlaid on corresponding stack volume.

- In inline direction, the surface matches the volume well, while edge of the survey is not fully covered.

- In crossline direction, sudden jumps between picked inlines are observed.

- Interpolation of the surface was also tested, which does not resolve the jumps in the crossline direction.
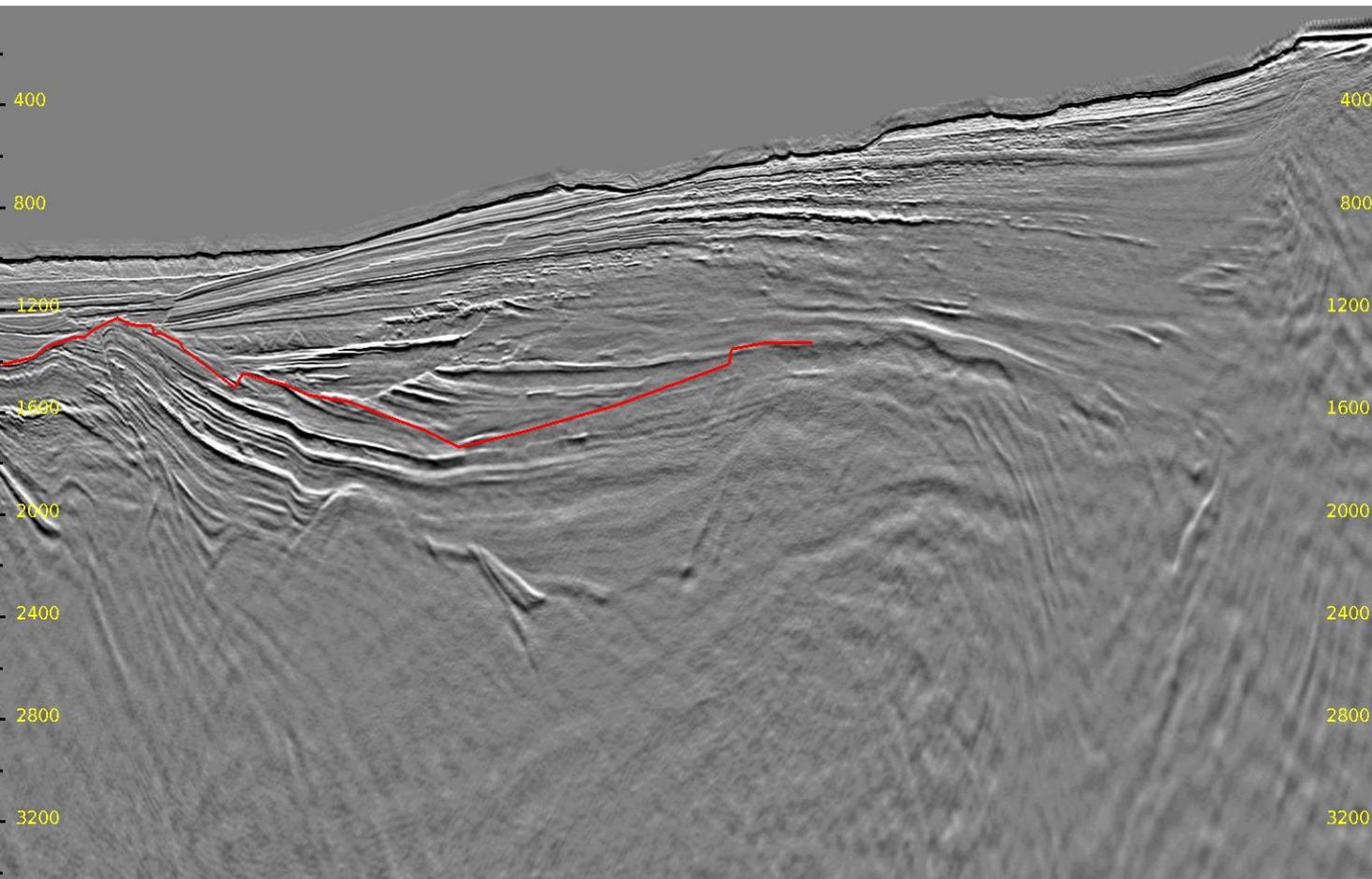
- Raw surface without interpolation.
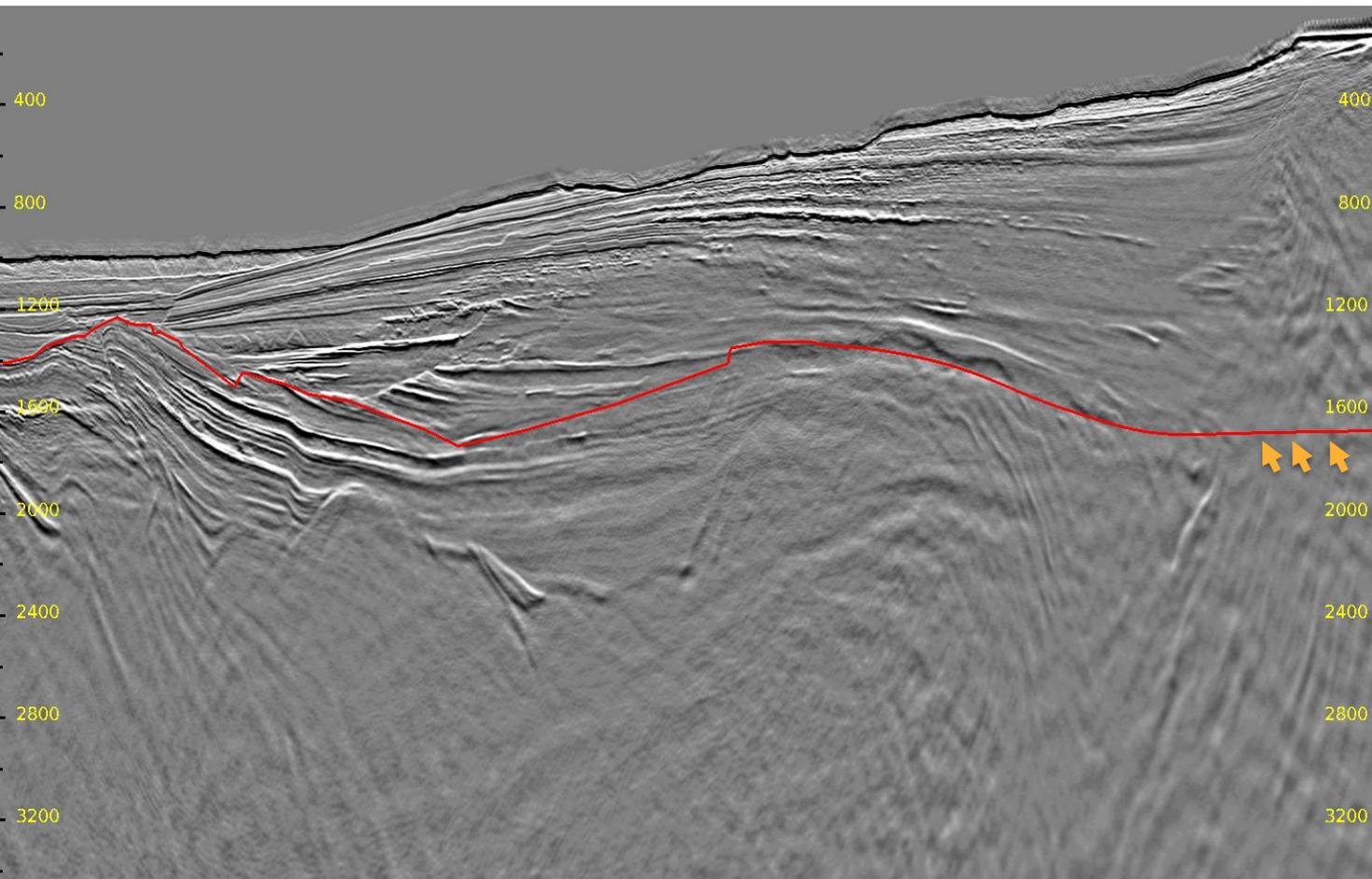
- Interpolated surface shows cutting though of events in the shallow water area.
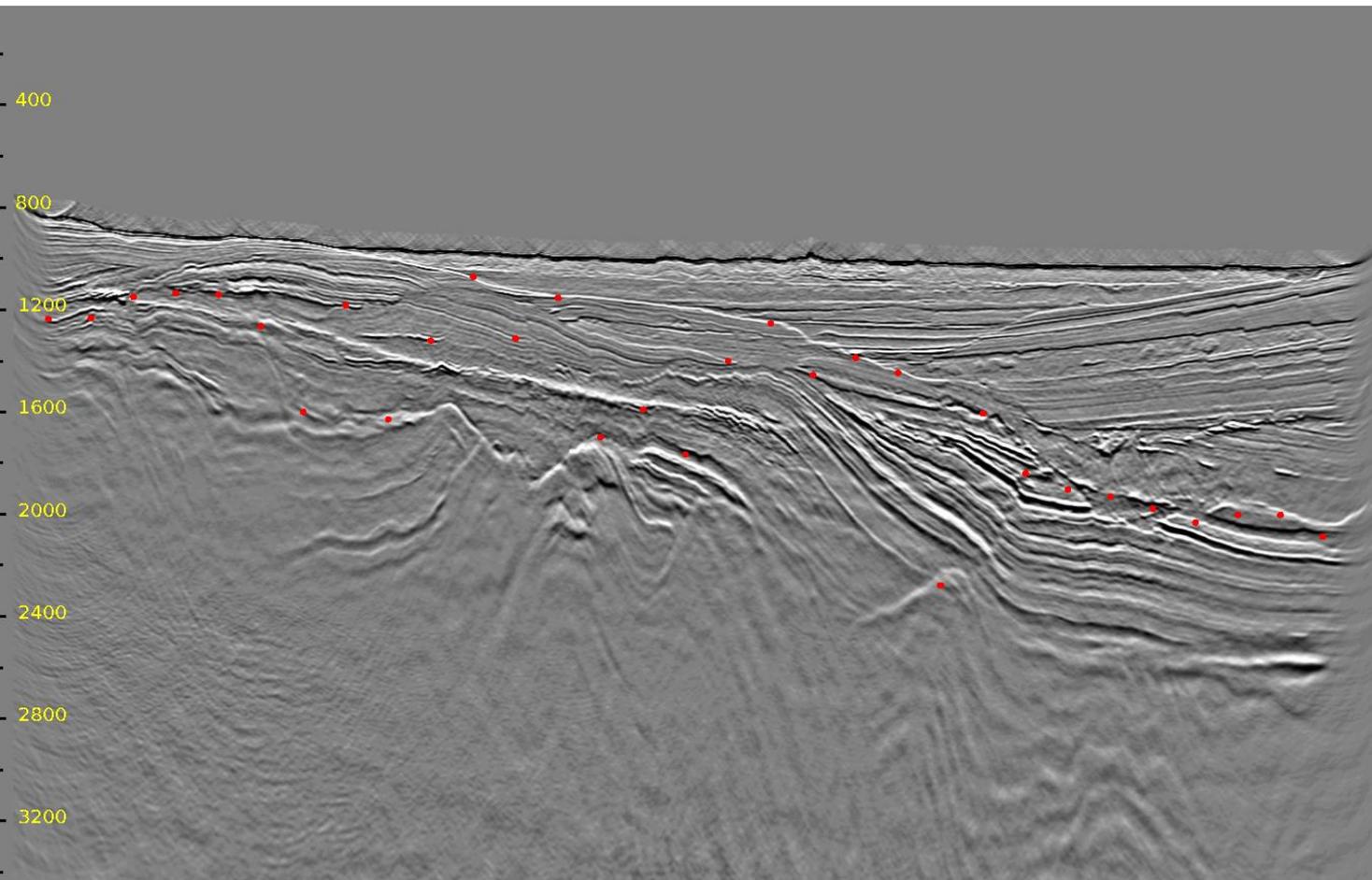
In the crossline direction, pick inlines seem to jump among different events.
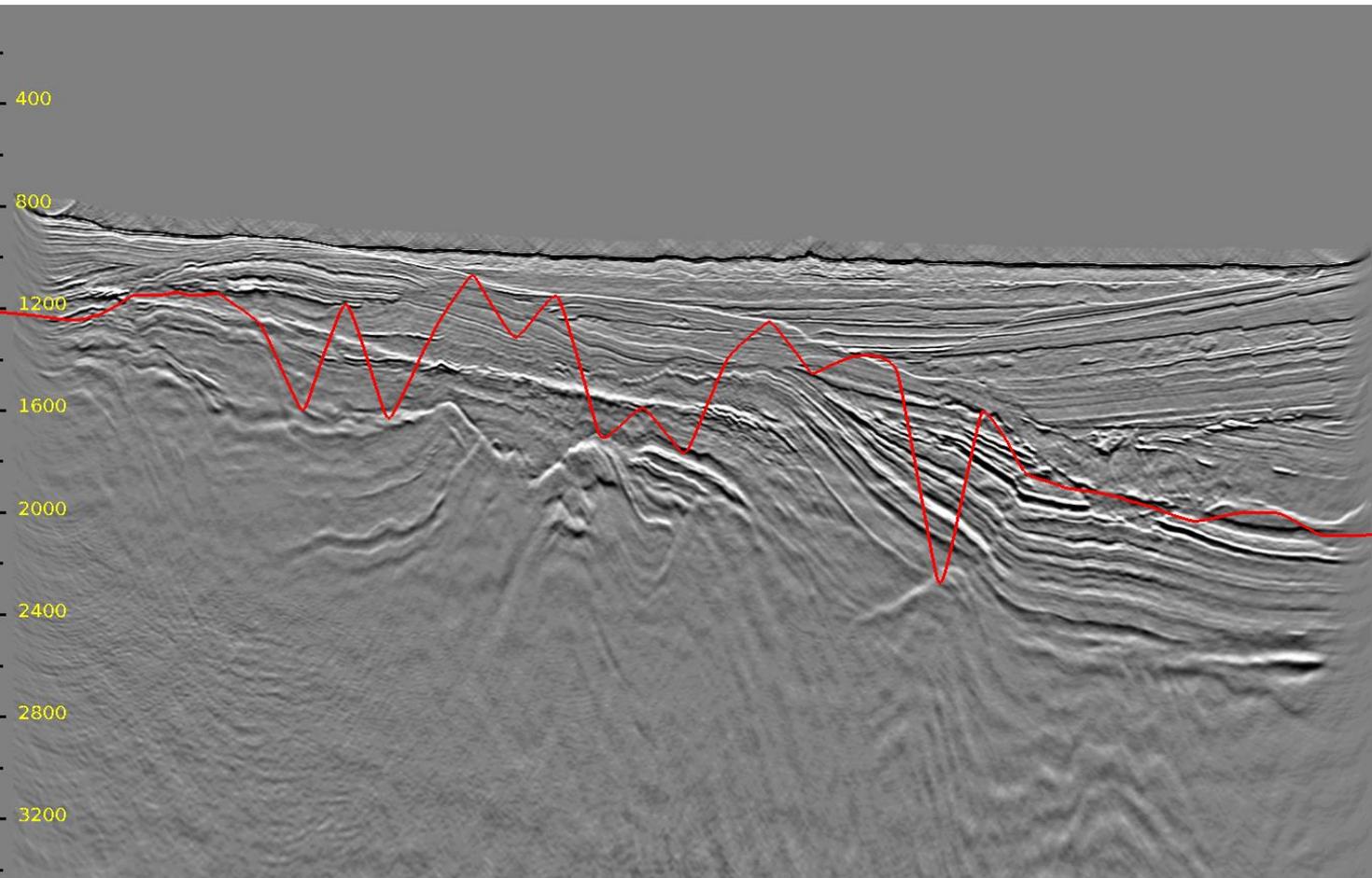
- After interpolation, the surface crosses over multiple events.