Geological Survey Of Western Australia

Eastern Goldfields 2019 seismic survey (R71404)

PRELIMINARY INTERPRETATION PROCESS (August 2019)

Contractor: Velseis Integrated Seismic Technologies
Velseis Processing Pty Ltd., Brisbane, Australia

Note: This preliminary interpretation is an attempt to correlate major features apparent in the seismic data with regional structures and lithological packages interpreted from GSWA geological mapping, and from regional aeromagnetic and gravity surveys. The objective is to provide users of the data with some immediate geological context in which to view the processed seismic sections.

Users should consider the line work and attribution shown on the interpreted sections supplied as 'tentative' and for comparison with geological and other geophysical features at a 'working scale' of 1:250,000 to 1:100,000.

Interpretation process:

The Velseis interpretation geologist carried out initial interpretation line-work to pick major reflector horizons, interpreted faults, and other structures and trends.

The interpreted features were reviewed and revised at a two-day workshop at GSWA offices in Perth with GSWA geologists and geophysicists.

The resulting interpretation was subject to a second review in GSWA and the line-work finalized as a set of interpreted sections for release. GSWA commentary about the data and the interpreted features is included in the final interpretation report.

No drill hole data were used in this preliminary interpretation.

GSWA
September 2019