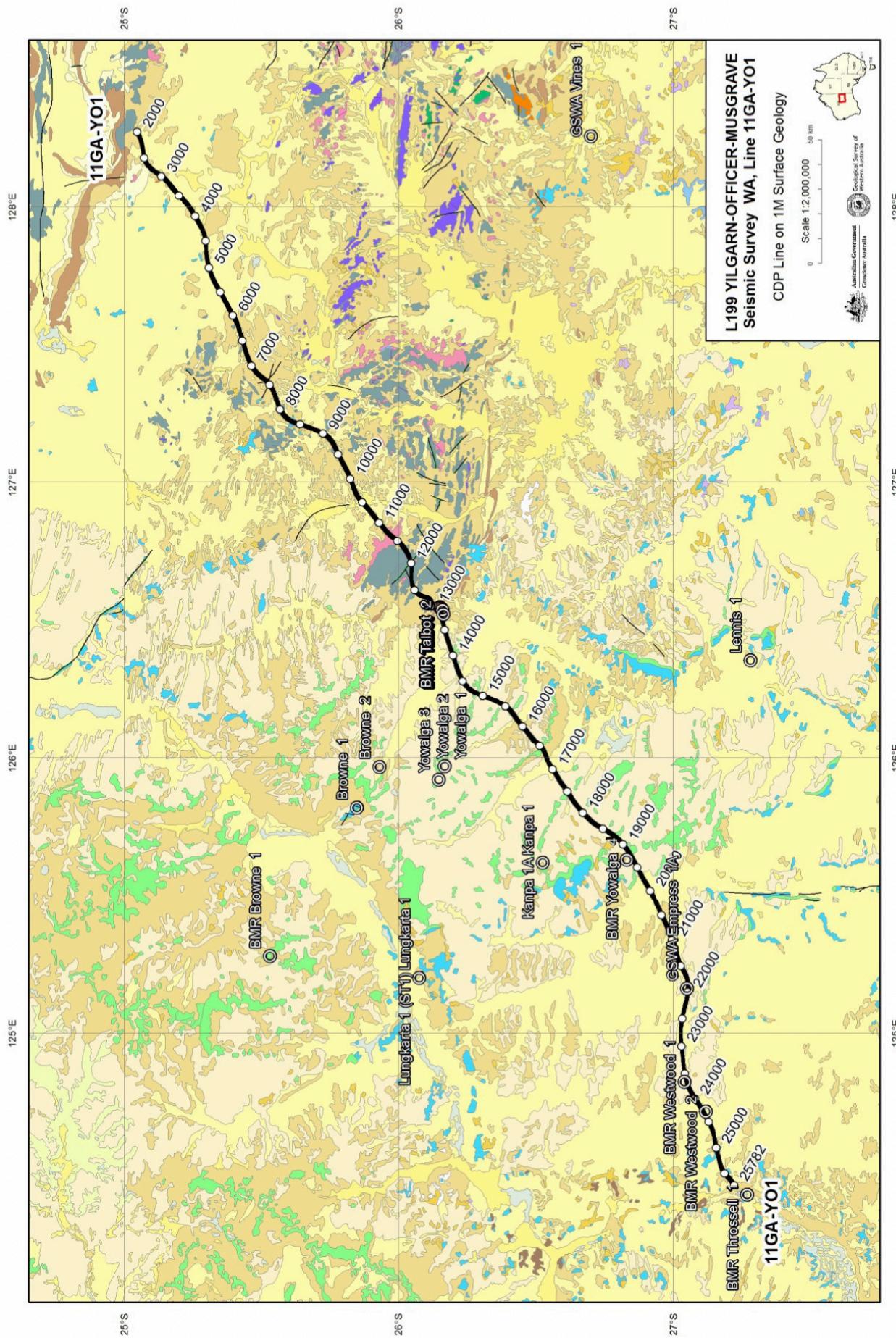


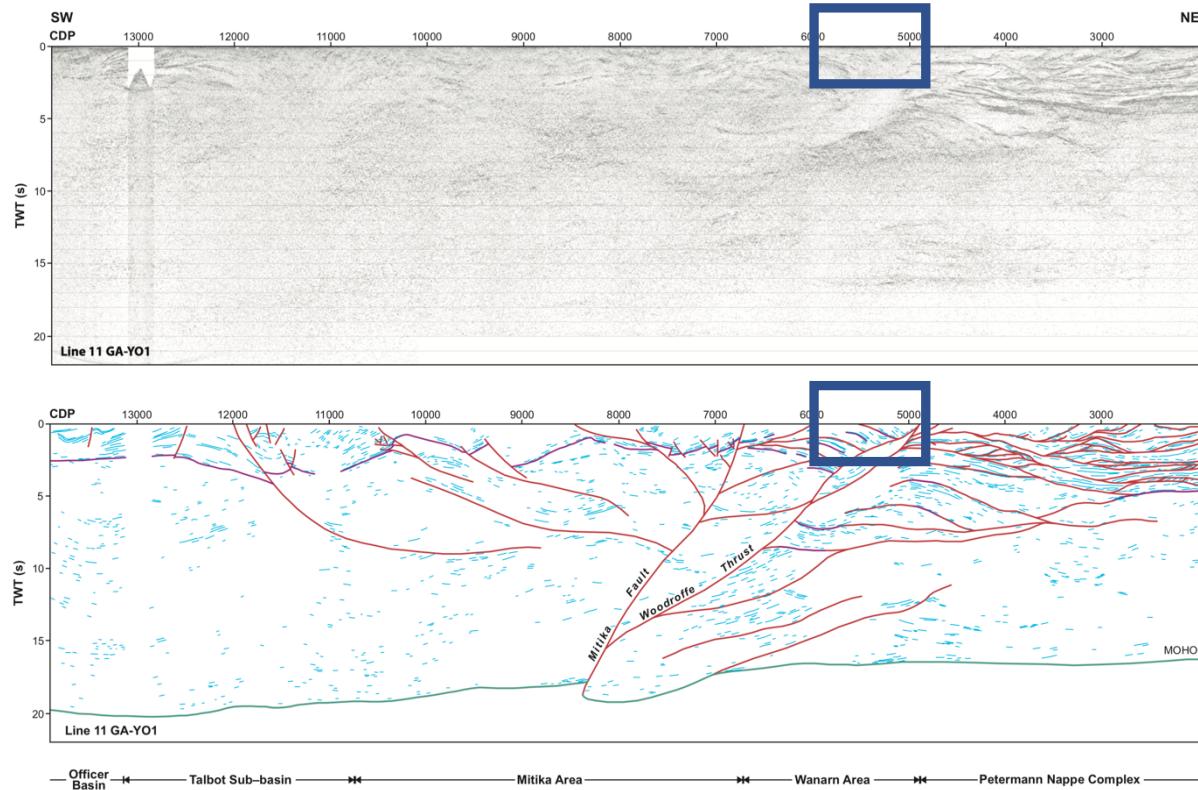
## **Reinterpretation of seismic line 11GA-Y01**

This document provides:

- (1) a map illustrating the location of 11GA-Y01 seismic line
- (2) a figure providing processed seismic profile along 11GA-Y01 and a reinterpreted profile based on recent geologic mapping.



Caption: The map showing the 11GA-Y01 seismic line that intersects the Woodroffe Thrust near the 5000 coordinate between coordinates 4000 and 5000 (Neumann, 2013). The Petermann epicenter is located about 175 km to the east of coordinate 5000 (not shown on the map).



Caption: Reinterpreted seismic profile showing reflectors dipping NE into the WT in the uppermost crust (blue boxes). These reflectors have a similar orientation to that of the foliations in the epicentral region (de Gromard et al., 2017).

## References:

- de Gromard, R. Q., Howard, H. M., Smithies, R. H., Wingate, M. T. D., and Lu, Y. (2017). The deep seismic reflection profile 11GA-Y01 in the west Musgrave province: An updated view, Geological Survey of Western Australia, Record 2017/8, pp. 20.
- Neumann, N.L. (Ed.) (2013). Yilgarn Craton – Officer Basin – Musgrave Province (YOM) Seismic and MT Workshop, Record 2013/28. Geoscience Australia, Canberra, ACT.