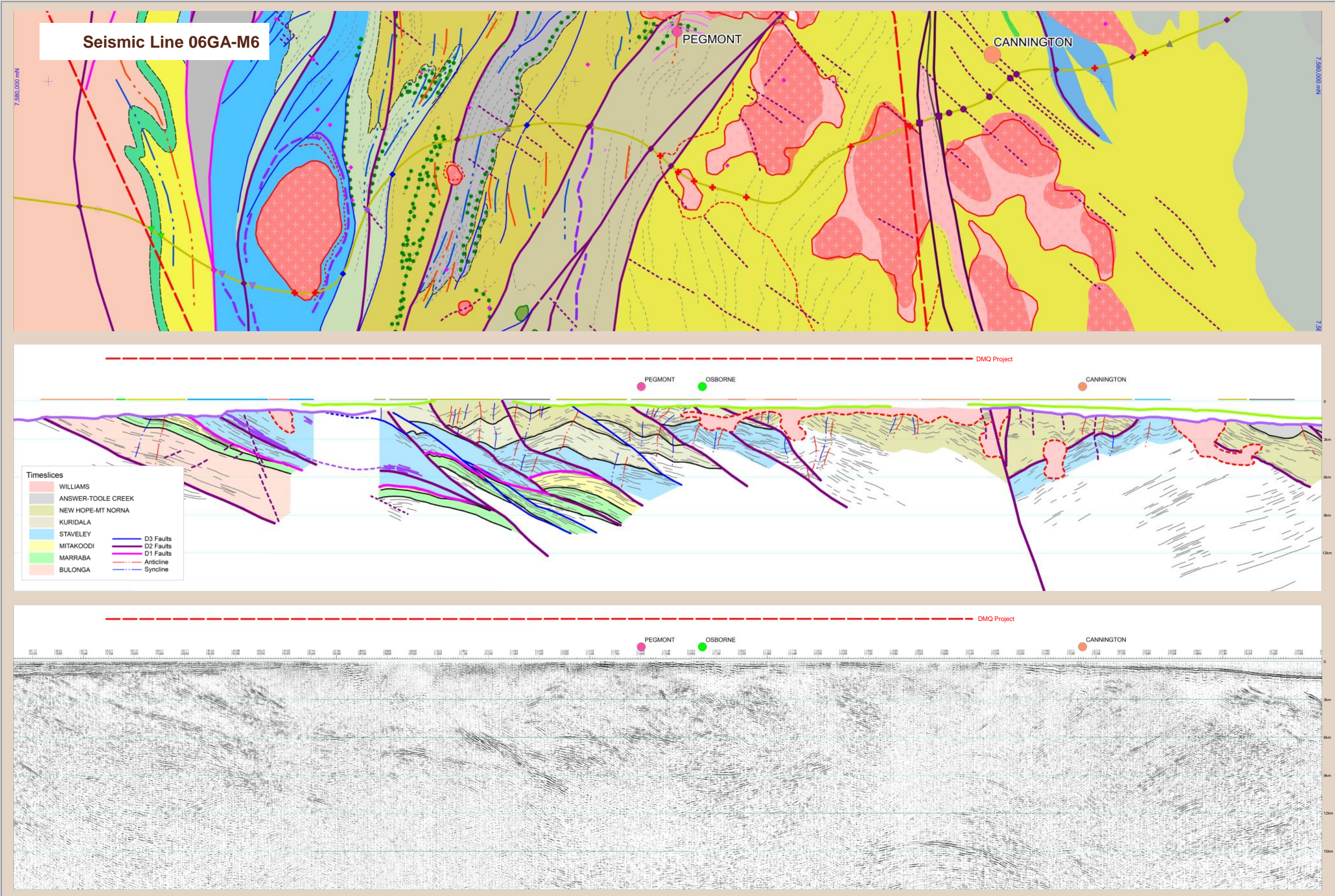
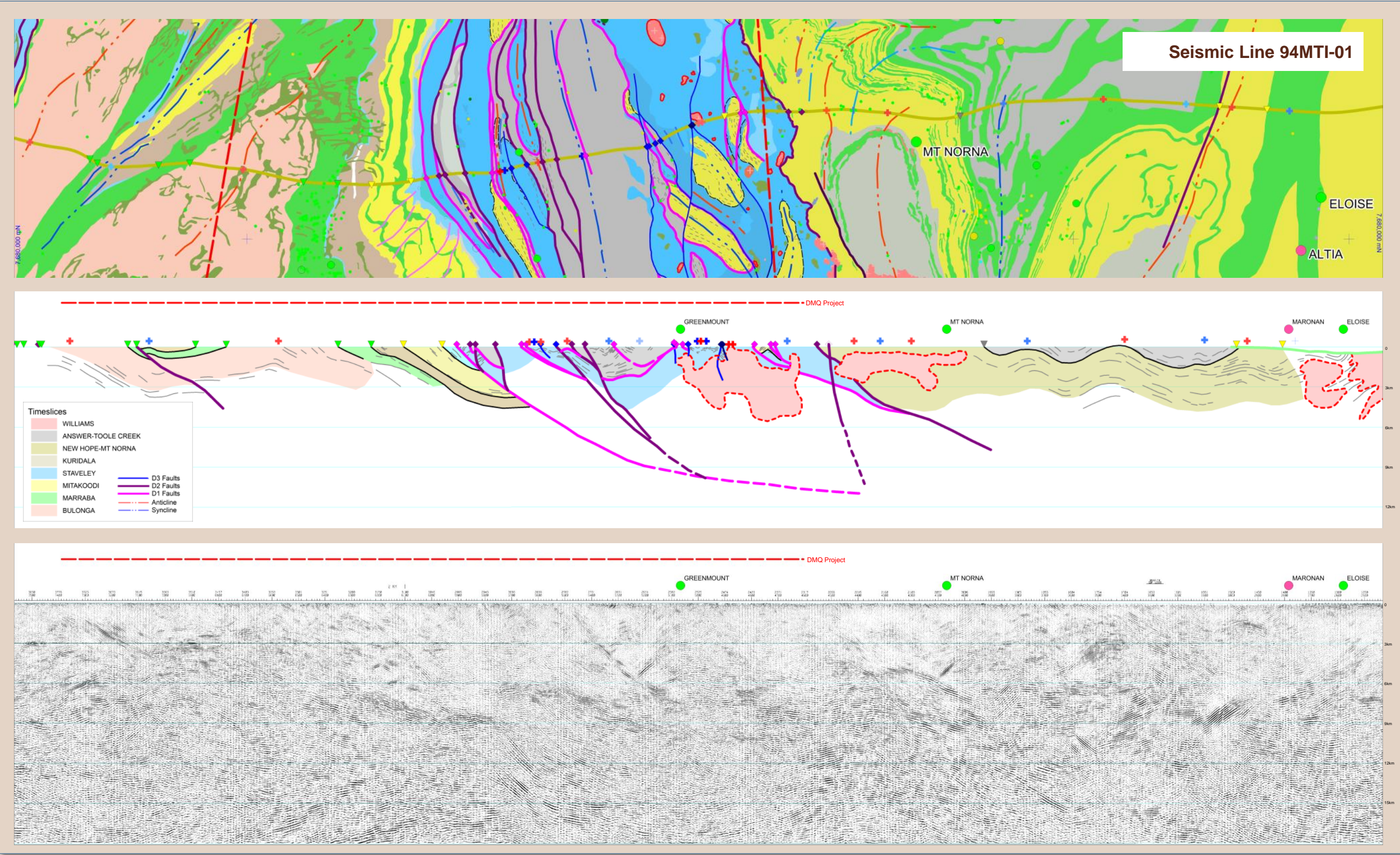


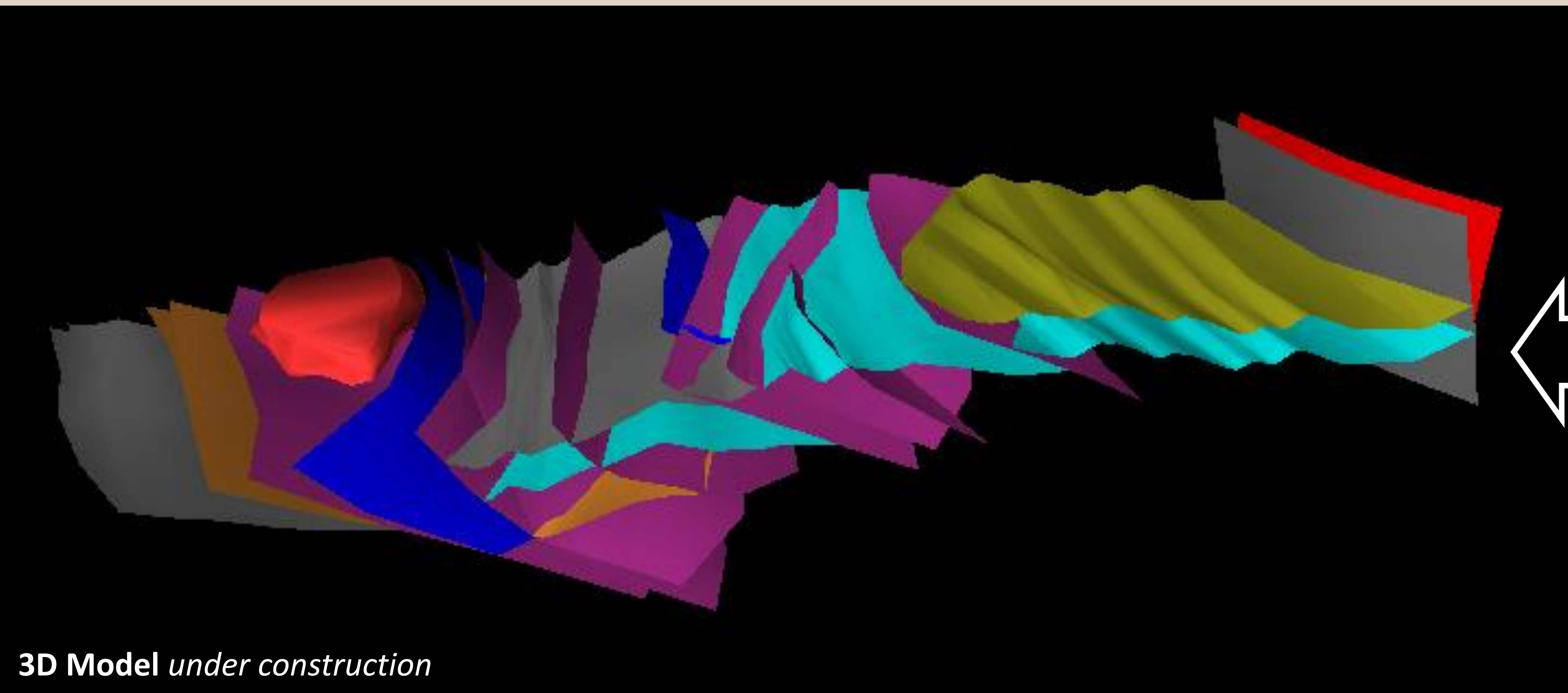
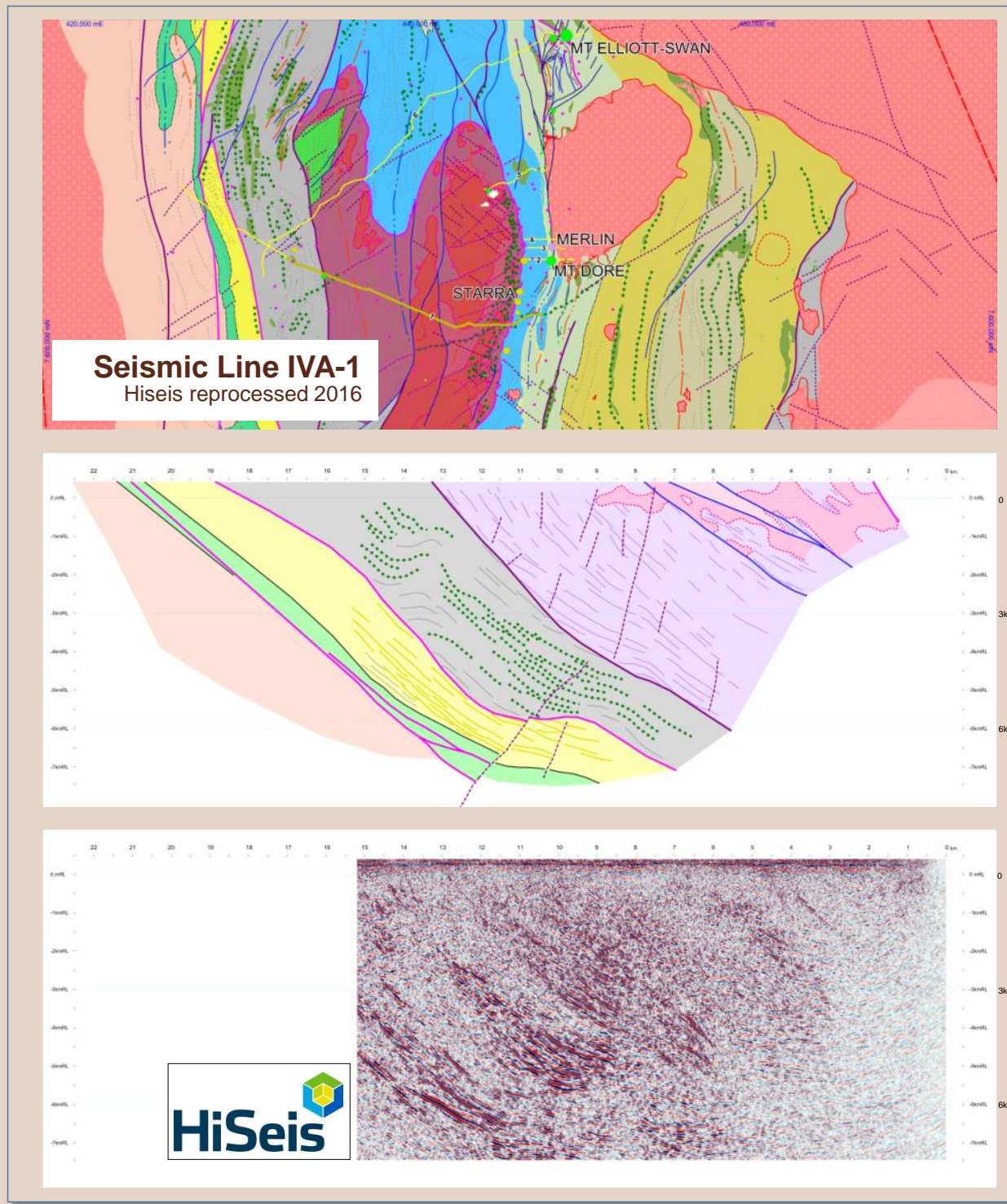
DEEP MINING QUEENSLAND (DMQ)

Southern Cloncurry 3D Prospectivity-2



Seismic Interpretation.
Detailed re-interpretation of 2 regional seismic lines and an Ivanhoe-shot and partially HiSeis-reprocessed line in the Starra-Merlin-Mount Dore region have significantly constrained serial sectional interpretation which is in progress. The current seismic interpretations emphasise the moderately east-dipping attitude of most major structures and the late-D2, over-thrusting of D2-folded (and D1 thrust) packages. The sectional interpretations of the two regional seismic lines are critically constrained by the DMQ re-build Solid Geological interpretation shown on Poster-1.

Sectional Interpretation.
These seismic interpretations have substantially constrained the 4km-spaced, sectional interpretations that are being built by DMQ (shown here) to form the basis of a robust 3D geological model that will allow targeting of IOCG mass-mineable systems at depth in the southern Cloncurry Belt.



3D Geological Model & Prospectivity Analysis.
To date, seventeen 4km-spaced, sections have been interpreted and are being wireframed into a cohesive and robust 3D Geological Model. These sections are presented here and are highlighted on Poster-1 at the southern end of the DMQ project area. Faults are tagged by their initiation event, and unsurprisingly, suffer reactivation in subsequent deformation events. Litho-stratigraphic horizons that represent timeslices outlined in the DMQ-updated 2000 NWQMP T-x Chart are tracked through the fault architecture and will also be essential in targeting Cu-Au-Mo at depth in the belt.

Prospectivity analysis will be undertaken when WILLIAMs granite geometries are resolved from geophysical inversion modelling that is ongoing at the present time. WILLIAMs granite geometries are expected to be significantly different to those in current interpretations and will be crucial in targeting Isan D3-D4, Cu-Au-Mo systems at depth throughout the belt.

Structure	
—	late D3-D4 Fault
—	early D3 Fault
—	D2 Fault
—	D2 Antiform
—	D2 Synform
—	early D2 Fault
—	D1 Fault
Lithology	
—	Granite
—	top NEW HOPE-MT NORMA - base ANSWER-TOOLE
—	top KURIDALA-STARCROSS - base NEW HOPE-MT NORMA
—	top STAVELEY - base KURIDALA-STARCROSS
—	top MITAKOODI - base CORELLA
—	top MARRABA - base MITAKOODI
—	top BULONGA - base MARRABA

