

G-FLOWS: Hidden water, innovative exploration



A Goyder Institute water initiative – DEW, CSIRO, Flinders University SA & Geological Survey SA collaboration

What is G-FLOWS?

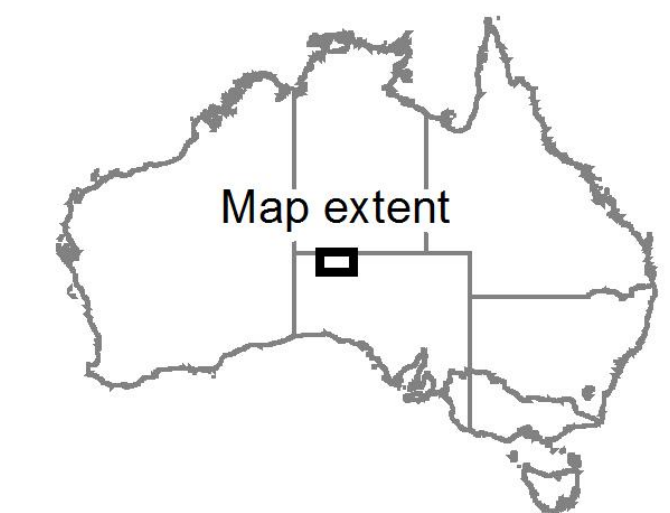
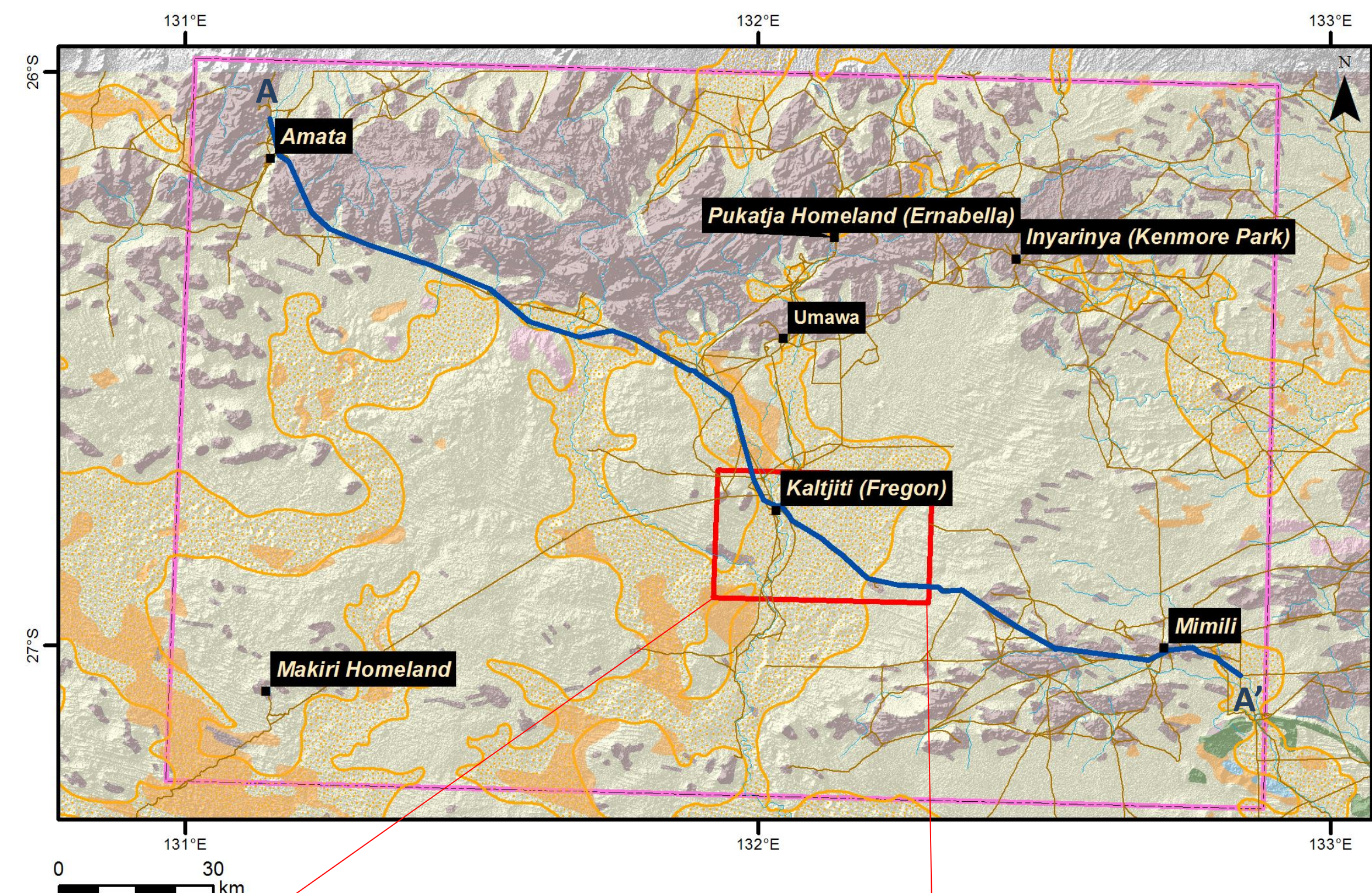
Improved understanding of groundwater resources in remote, arid, data poor areas of South Australia. Targeting alluvial sediments in palaeovalleys that are potentially productive water resources.

Where are we focused?

Musgrave Geological Province, Anangu Pitjantjatjara Yankunytjatjara (APY) Lands, north-western South Australia.

How?

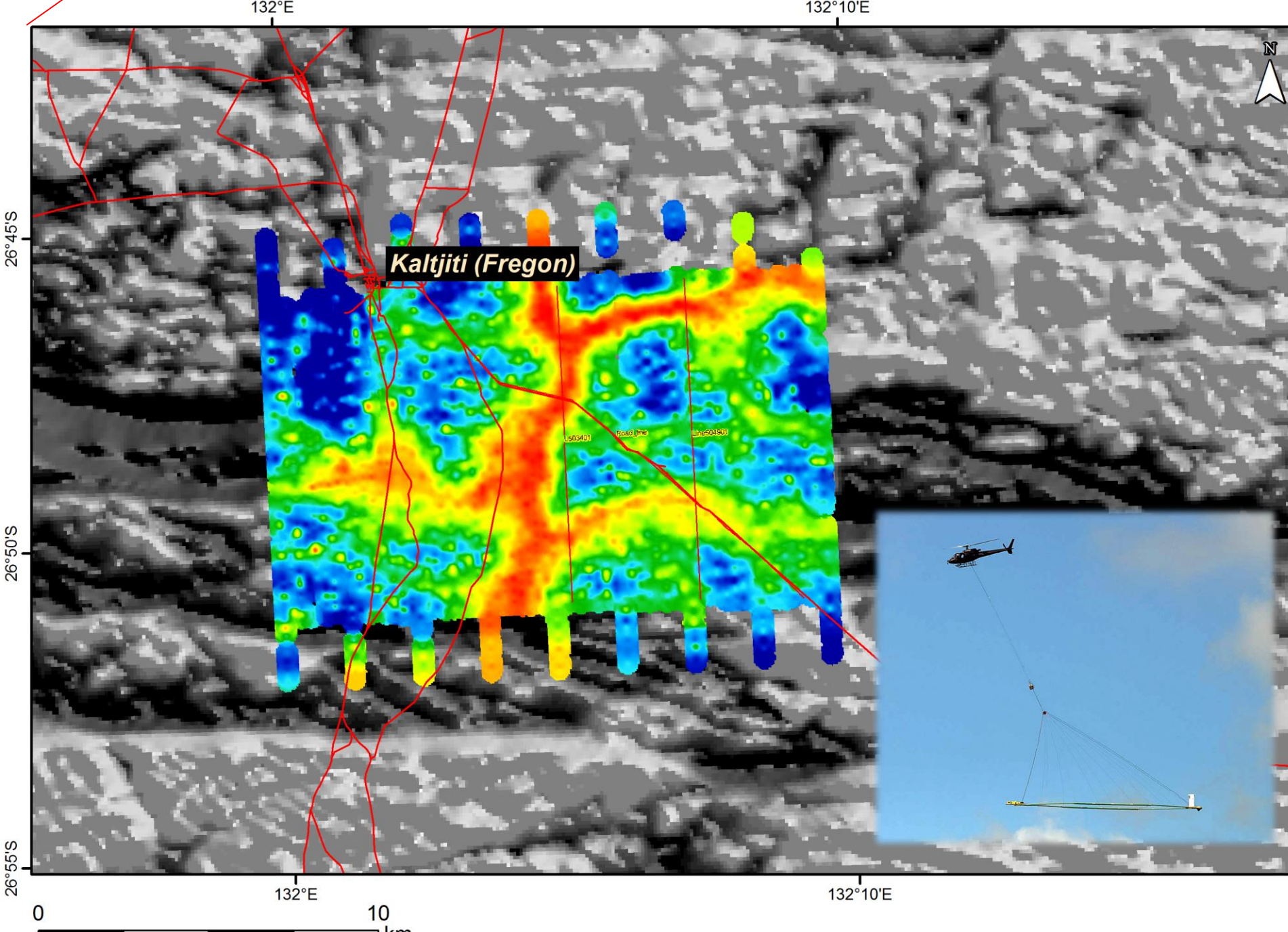
Develop, integrate and use adaptive assessment methods to support **community, industry and the environment.**



Study area, APY Lands



Targeted drilling of geophysical features to confirm hydrogeology



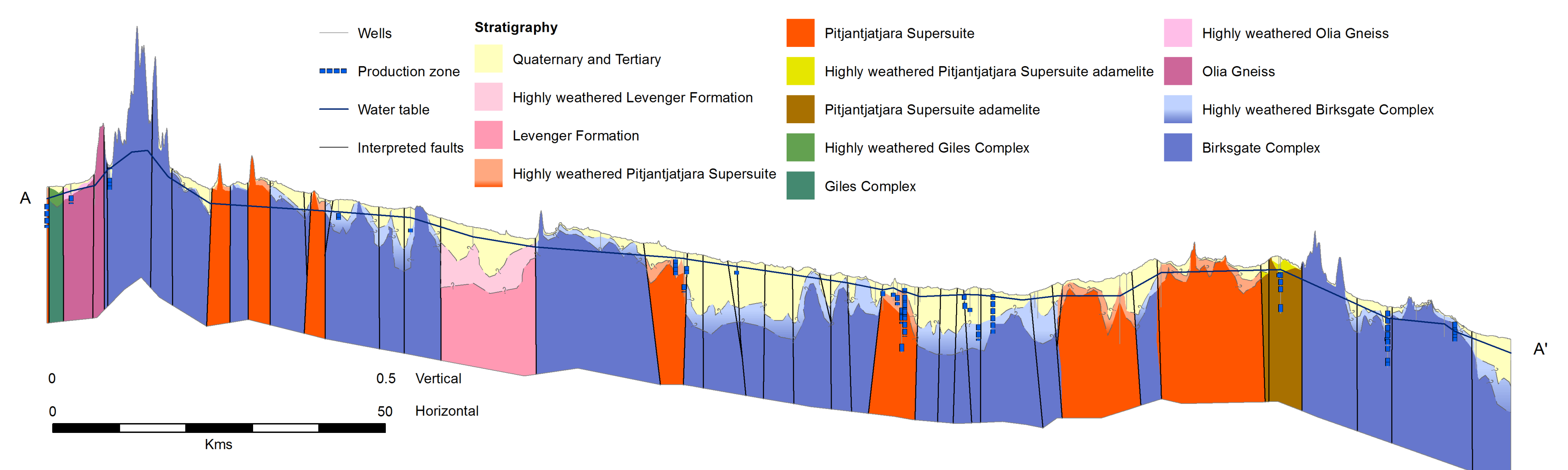
Regional airborne geophysical data acquisition and interpretation



Groundwater assessment and analysis to characterize groundwater resources

Why?

Enhancing our ability to explore, assess and develop groundwater resources by integrating and developing datasets and techniques to provide more certainty to groundwater explorers.



Development of new hydrogeological framework. Regional cross section, Amata to Mimili



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