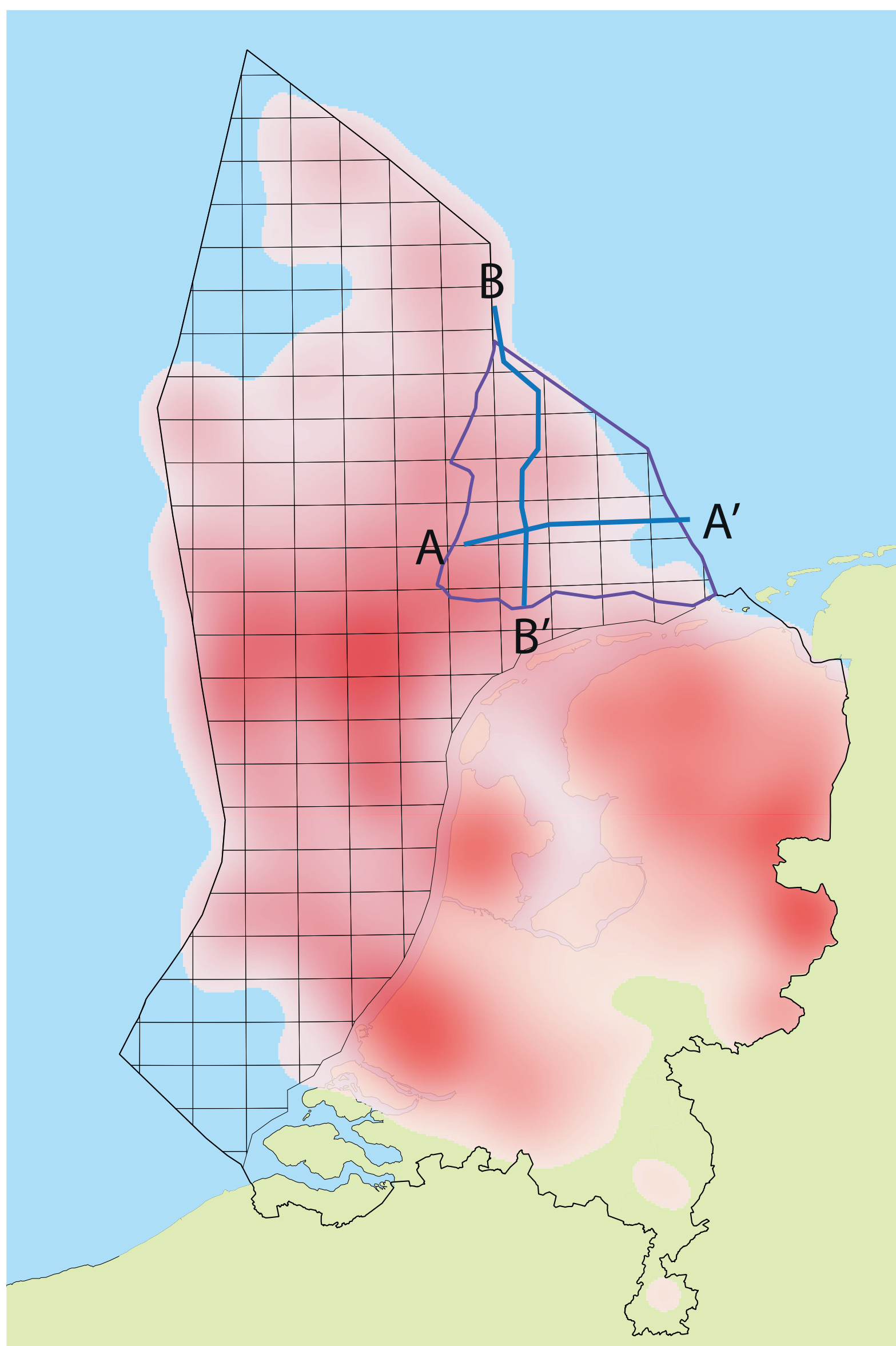


Prospectivity G and M blocks

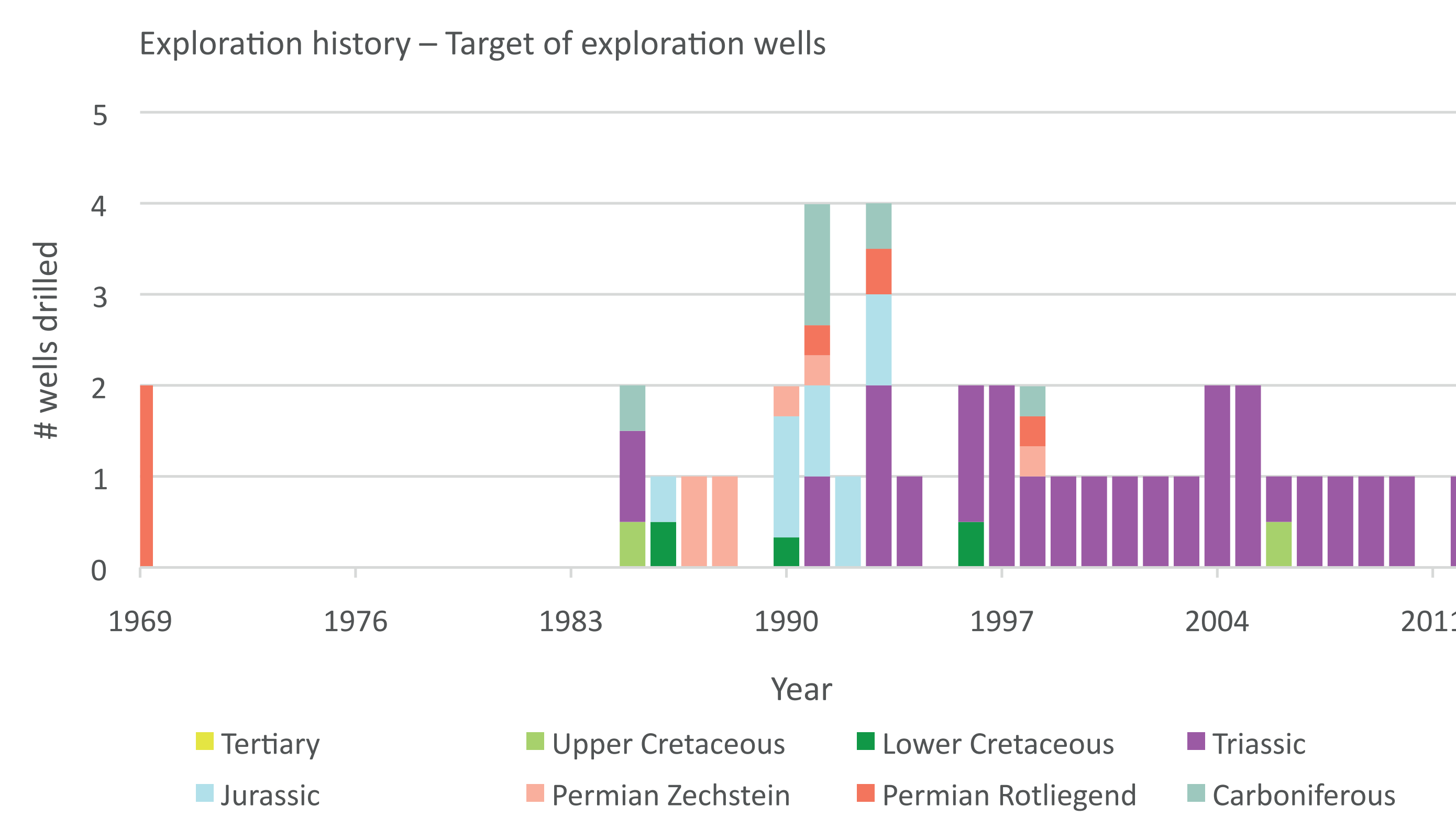
Analysing the Upper Jurassic play



Exploration density

G&M exploration study

- Goal: De-risk underexplored plays and identify new leads
- New insight and exploration opportunities will be provided to the industry
- Area selected on the presence of sizeable open acreage and underexploited infrastructure



Featured: The Upper Jurassic play

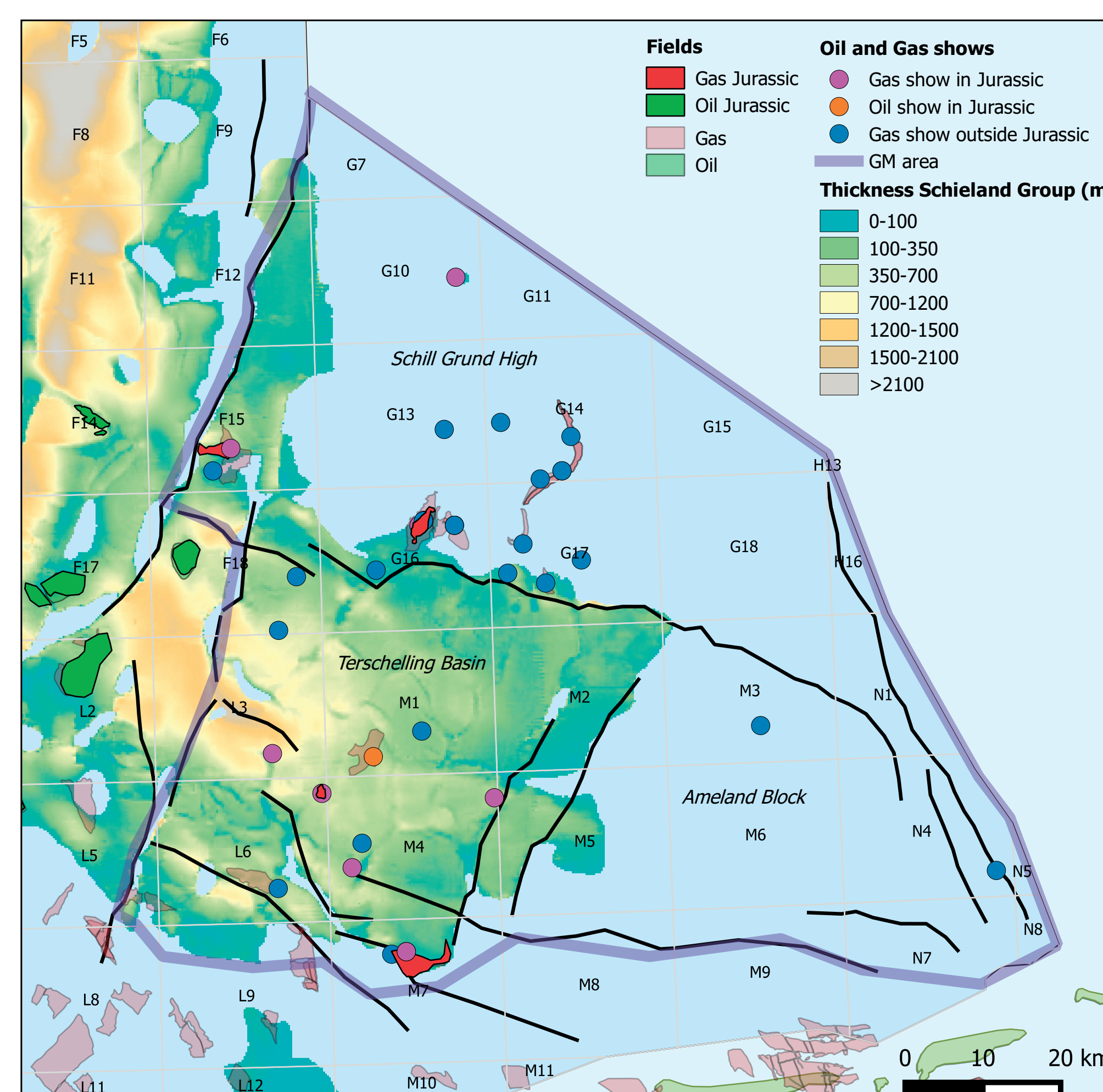
The Upper Jurassic play (and Lower Cretaceous) is proven in the G&M area by eight wells. Ongoing studies should aid to identify the prospective areas.

- **Reservoir:** Upper Jurassic sandy intervals are present throughout the study area (mainly Terschelling Basin) but reservoir quality can vary significantly laterally and is poorly understood.
- **Seal:** Top seal is widely present as Vlieland Shale or intra Jurassic/Lower Cretaceous shales. Stratigraphic trapping potential has not been evaluated yet.
- **Source and charge:** Carboniferous is the most likely source. Hydrocarbon shows are recorded in the area in several intervals, of which eight shows were identified in the Jurassic. Charge is envisaged along deep faults where thickness of the Zechstein is limited.

Upper Jurassic Fields in G&M

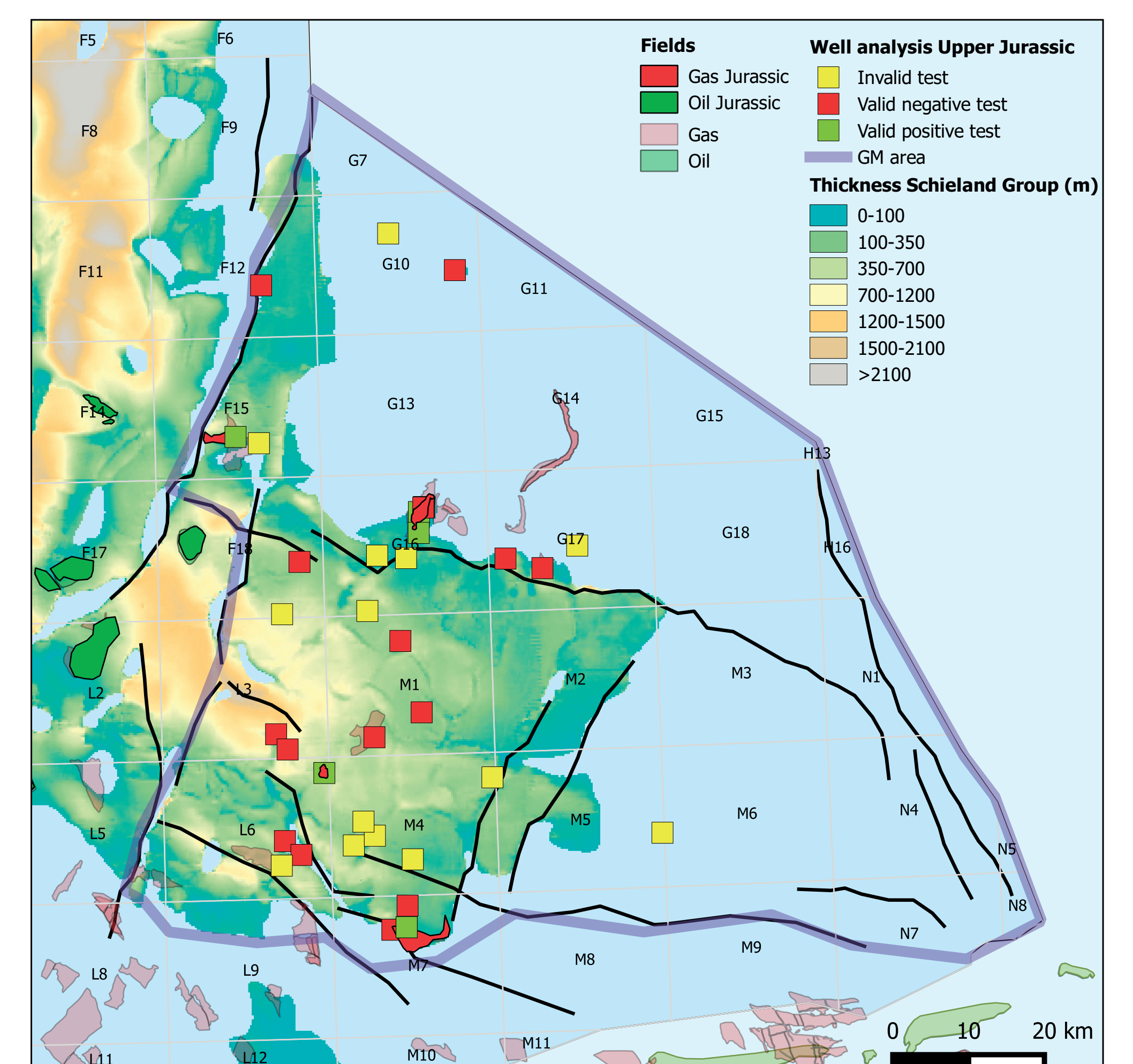
Field	Reservoir	Seal
F15-B	Scruff Spiculite Mb	Clay deep Mb
L06-A	Terschelling sandstone Mb	Vlieland Claystone Fm
G16-A	Scruff Group	Schill Grund Mb
M07-B	Terschelling Sandstone	Vlieland Claystone

Hydrocarbon shows

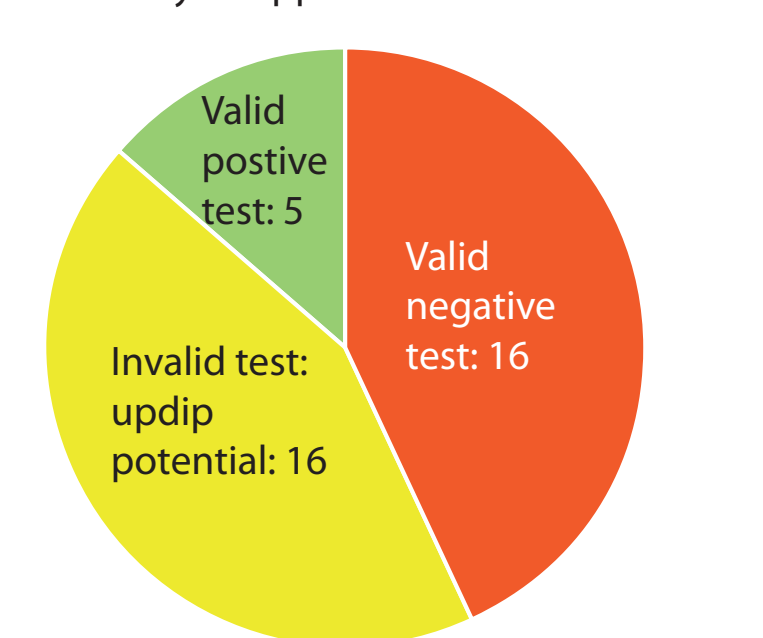


Figures: Preliminary interpretations of hydrocarbon shows and analysis of the Upper Jurassic/Lower Cretaceous wells

Well analysis



Well analysis Upper Jurassic G&M area



Total number of wells analysed: 37

Potential plays in the G&M Area

