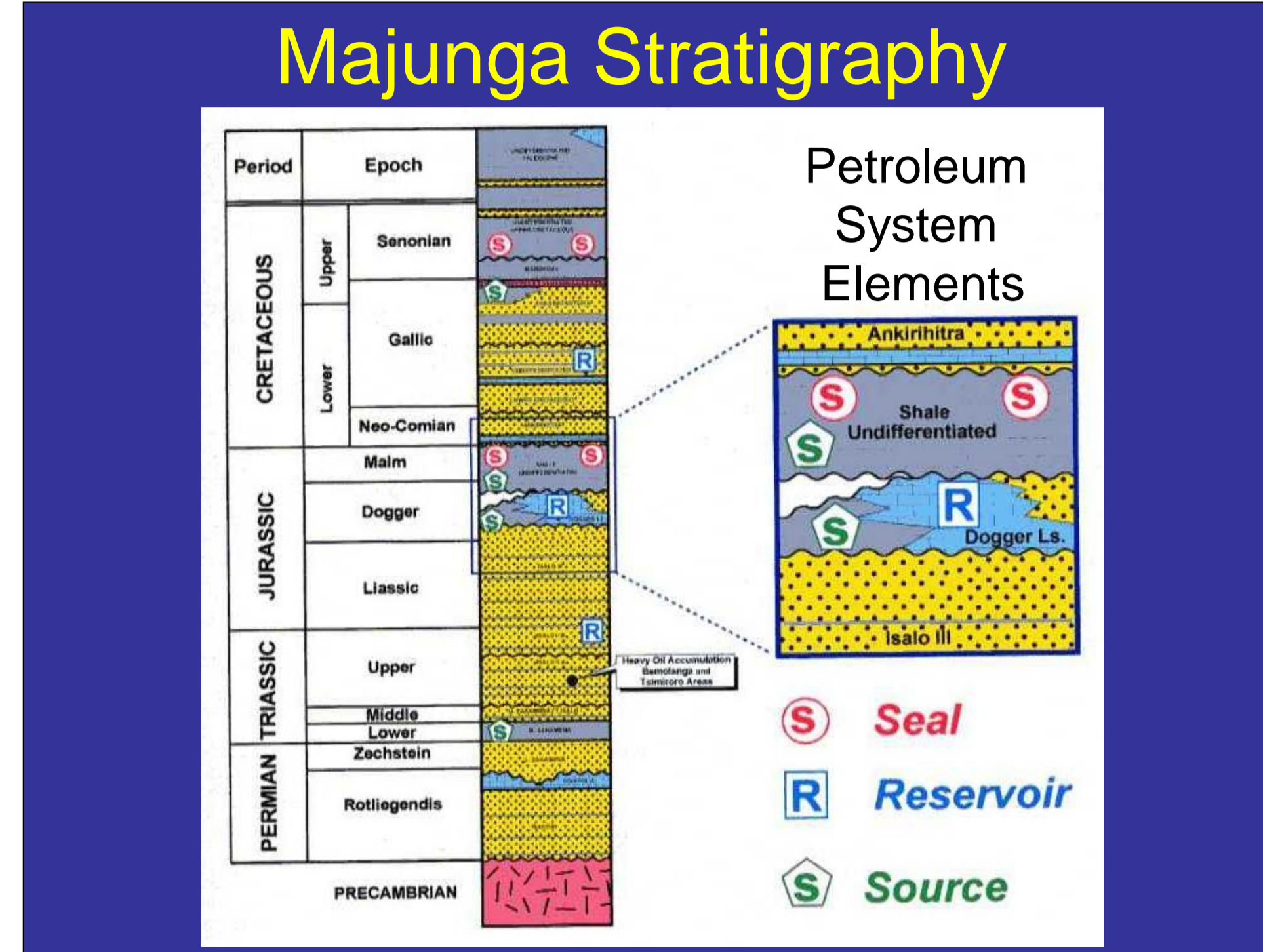
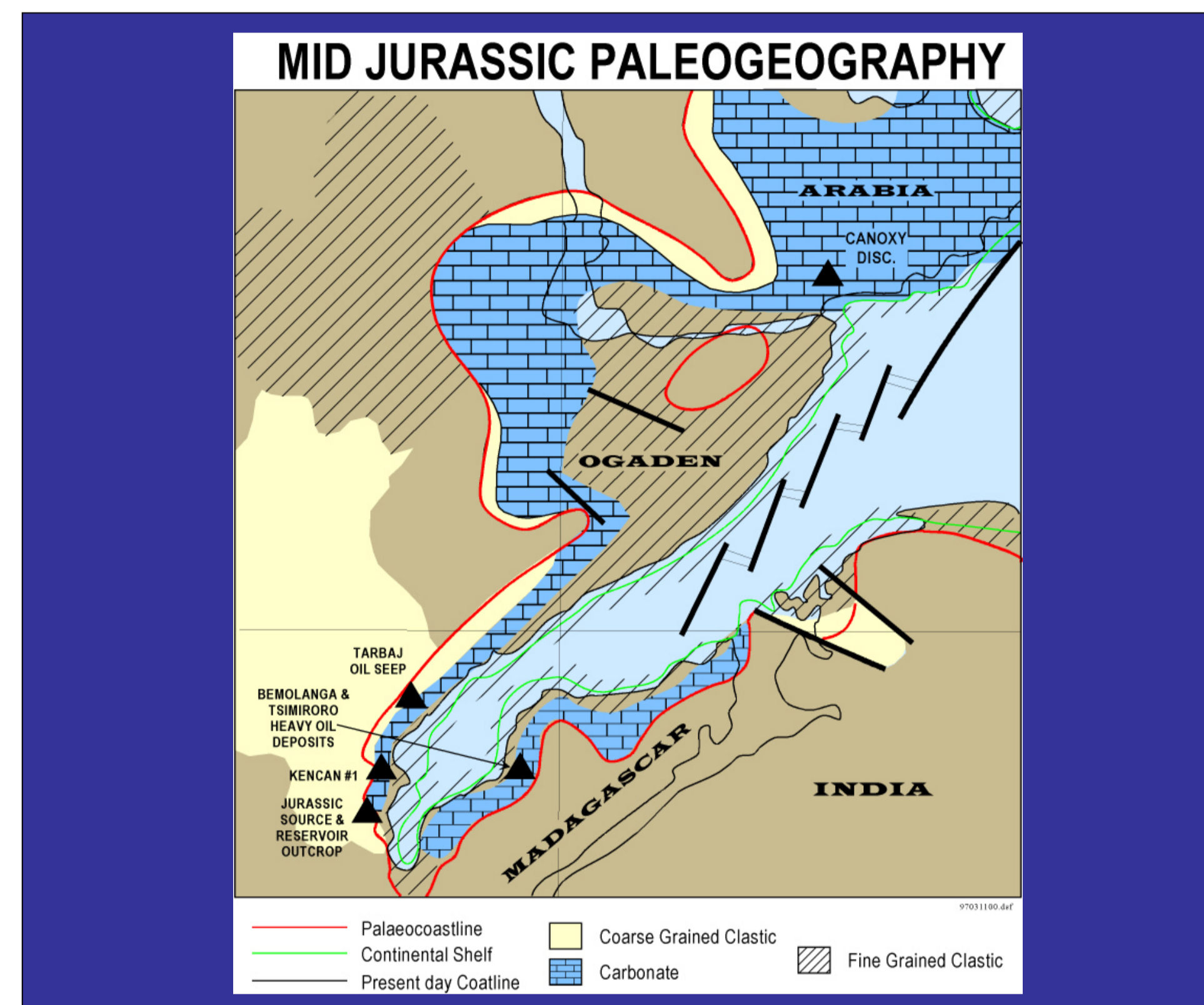


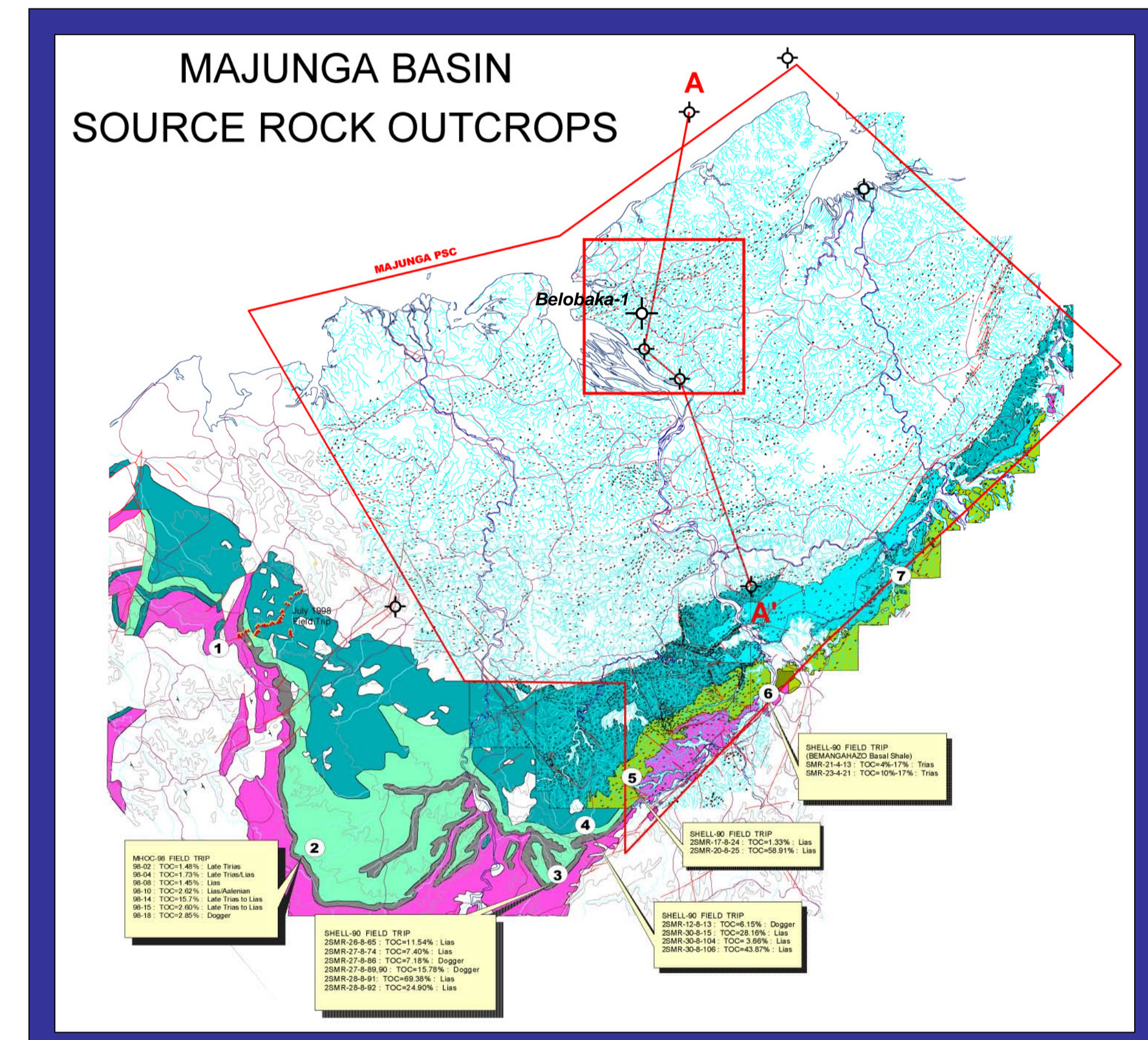
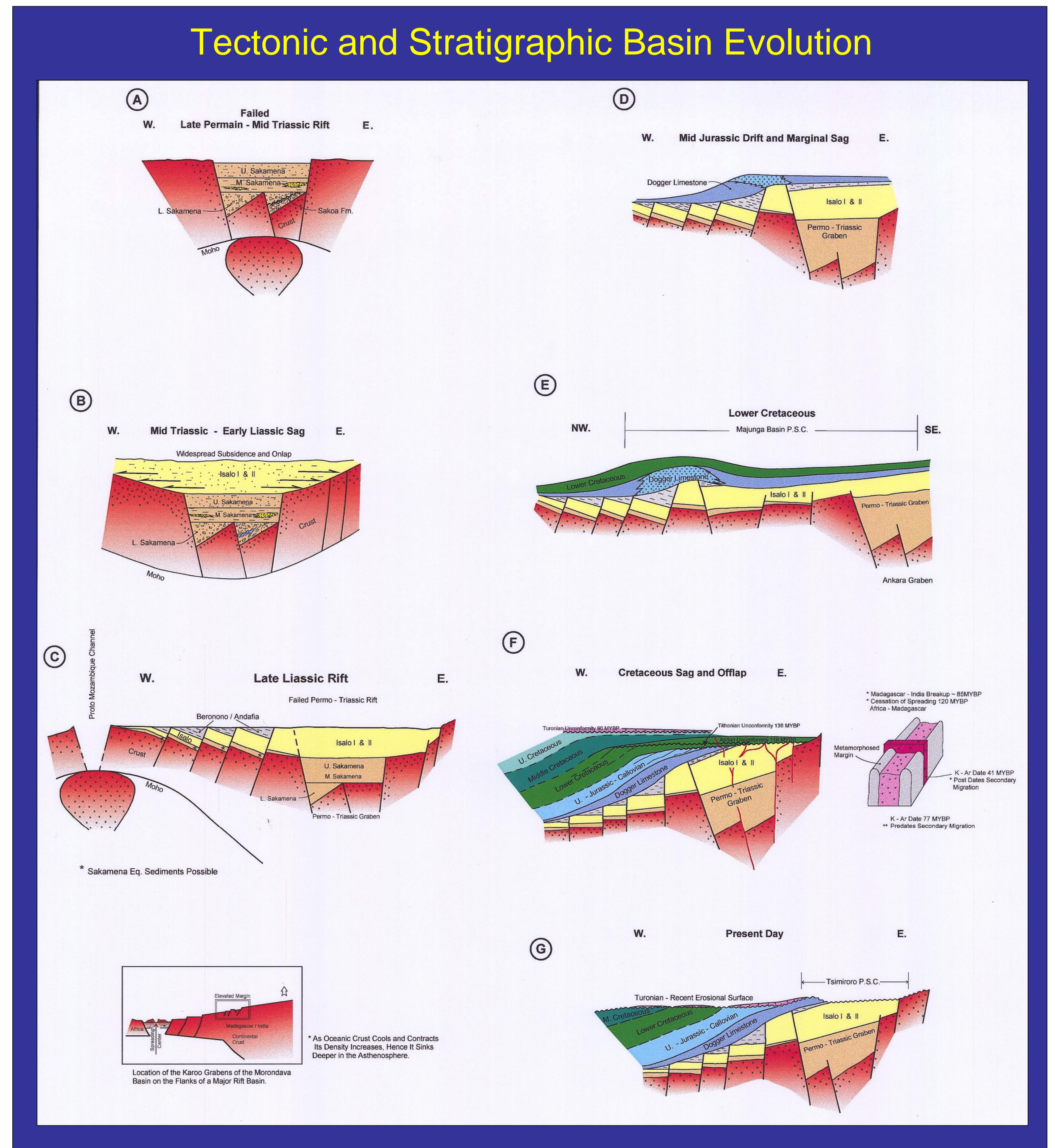
**Work Program**  
 In 1998, Hunt began an extensive seismic reprocessing effort with the goal of enhancing the possible identification of porosity in the Dogger formation. Over 1000 kilometers of Agip and Shell seismic data were reprocessed. This total includes approximately 660 kilometers in the area directly downdip from the Marovoa-1 and Tuliere-1 wells. AVO analysis, acoustic impedance inversion, and pre-stack depth migration were also carried out on key lines. Additionally, a photogeologic and Landsat study of the basin and an extensive field geologic program were completed in 1998. Finally, the Belobaka 1 was drilled in 2000 to test an interpreted porosity pinchout trap in the Dogger limestone.



**Petroleum Geology of the Contract Area**  
 Subsequent to Triassic rifting, the Majunga Basin consisted of a passive margin from Jurassic through Cretaceous time. Potential reservoirs include the carbonates of the Jurassic Dogger formation, and sandstones of the Triassic, upper Liassic and Cretaceous. Regional seals exist in Upper Jurassic and Cretaceous shales.



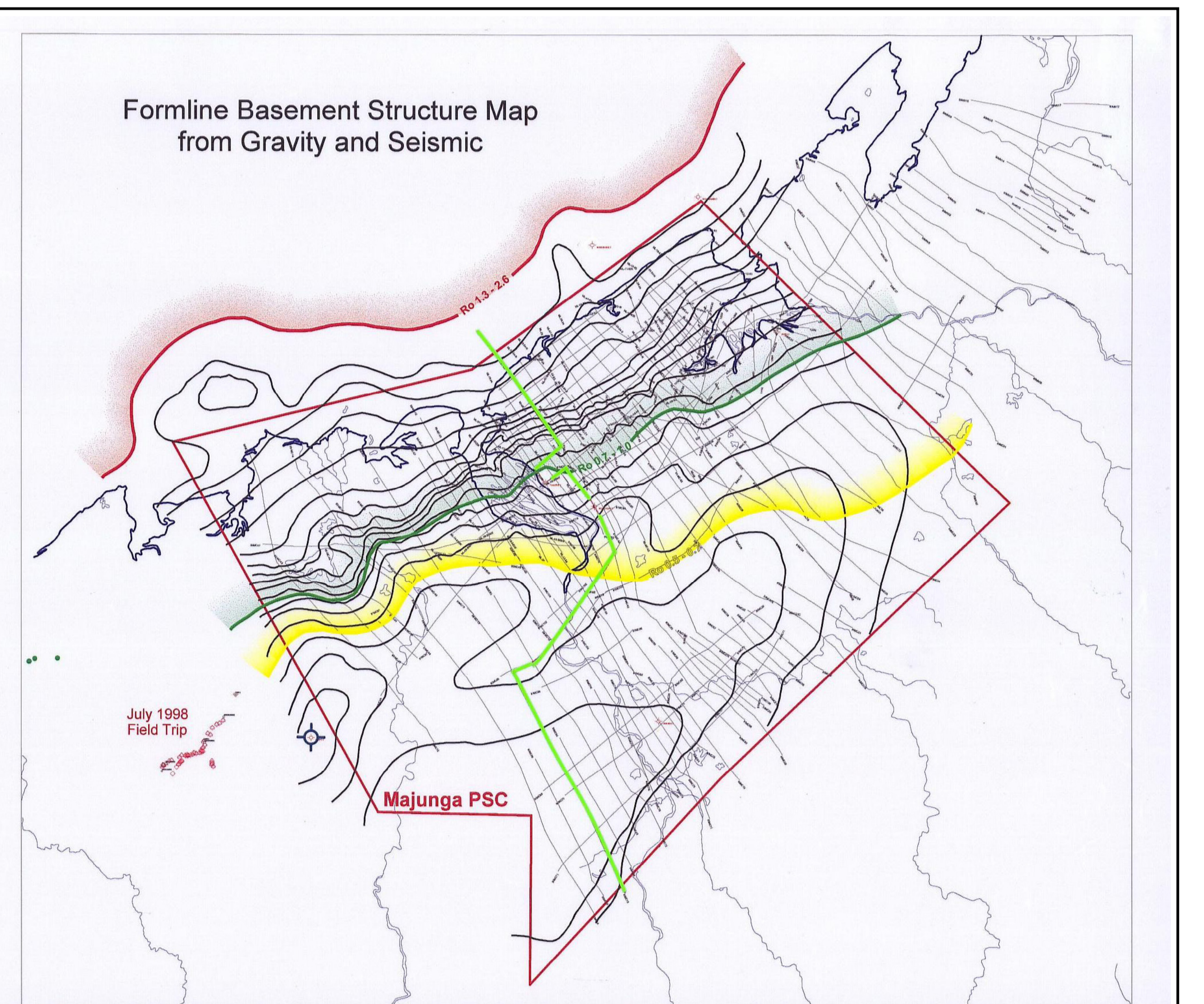
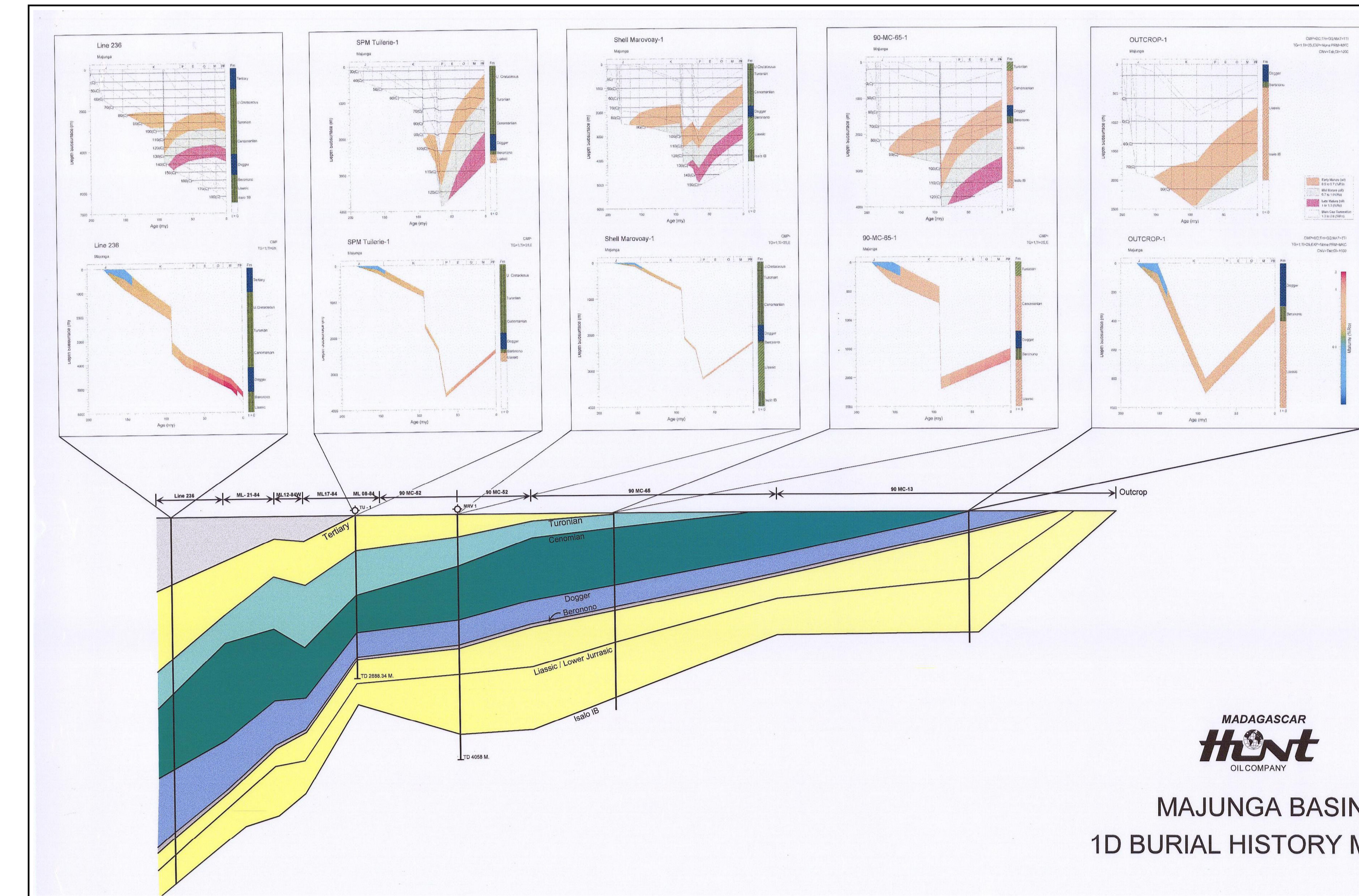
Excellent source rocks were identified in the Upper Liassic Beronono shale, which has known TOC values in excess of 10% in outcrop. BASINMOD modeling shows that maximum oil generation from the Beronono shale occurred during the Late (?) Cretaceous, at a time when the overlying porous shelf-edge facies of the Dogger were in a structurally high position. Previously, all tests of the Dogger were located significantly updip from the shelf-margin in tight platform facies. Together, these aspects made this under-explored petroleum system a highly attractive exploration target.



**Potential Source Intervals (Outcrop Data)**

Formation	Age	TOC (%)	Yield (kg/t)	Type
Beronono Shale	Aal-Bajocian	10 - 19.7	37 - 97.9	I / II
	Toarcian	68 - 69.4	166.9 - 215.8	III
	Lias	2.3 - 23.6	0.3 - 112	II / III
Bemangahazo (Isalo II Basal Shale)	Lias	17.2 - 22.4	2.4 - 34.9	II / III

- The distribution and thickness of potential source intervals is poorly known.
- Potential source development may exist basinward of the Dogger shelf break or in Liassic grabens adjacent to Karoo Highs.



MAJUNGA BASIN  
 1D BURIAL HISTORY MODEL