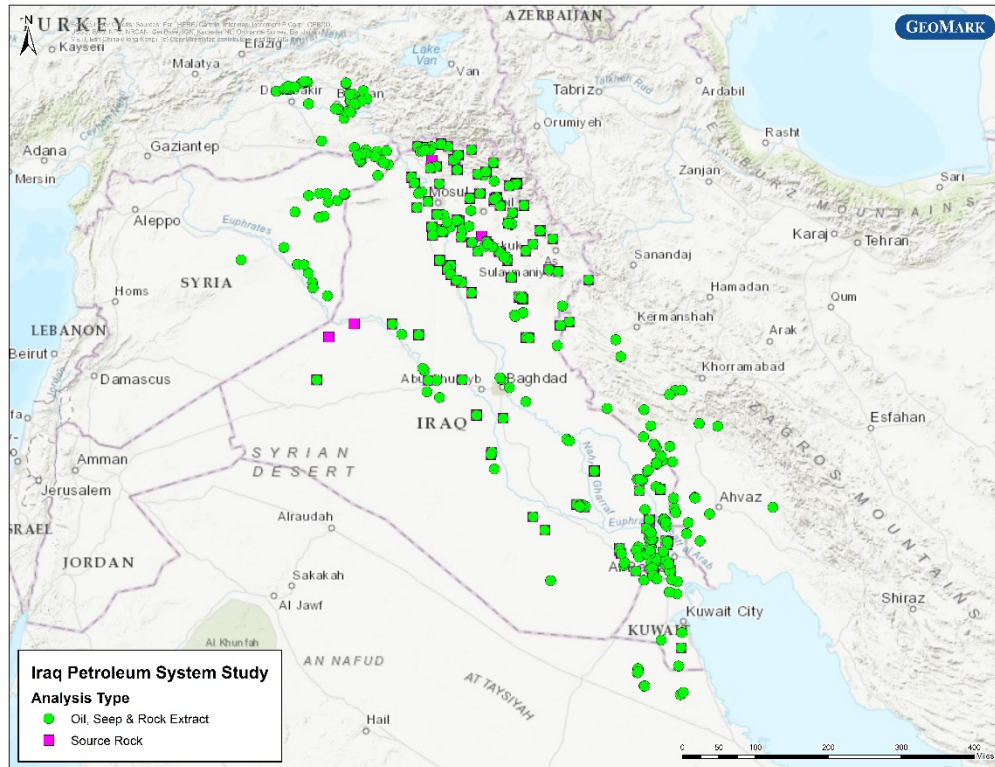


Iraq Petroleum System Study

Detailed Analysis of Source Rocks, Oil Seeps and Oil Samples, GIS Database and Regional Interpretation



GeoMark has completed a regional assessment of the resource potential of Iraq. The study is designed to identify Mesozoic organic rich units and evaluate their potential as conventional or

The source rock analyses identified at least 10 stratigraphic units having enough organic carbon to be considered potential source rocks. These ten units came from the Triassic, Middle Jurassic, Upper Jurassic, and Lower Cretaceous ages. Geochemical properties were used to classify the oils into families which share common sources based on genetic-specific biomarkers and stable carbon isotope compositions using multivariate statistics.

Our analysis of the oil geochemistry revealed 15 discrete oil families with a correlation parameter of ~0.8, or better, for the selection of oils and variables included in the analysis. Seven of these families could be further divided into sub-families (i.e. total of 22 families and subfamilies) and these showed moderate to strong geographic trends.

This interpretive assessment is finished and ready for delivery as a PDF and ArcGIS product. Data used in this interpretation is available for a separate subscription fee. Please contact GeoMark research for more information.

Samples: **438 Oil Samples**
95 Seep Samples
600 Cuttings & Outcrop Samples
230 Extracted Source Rock Samples

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