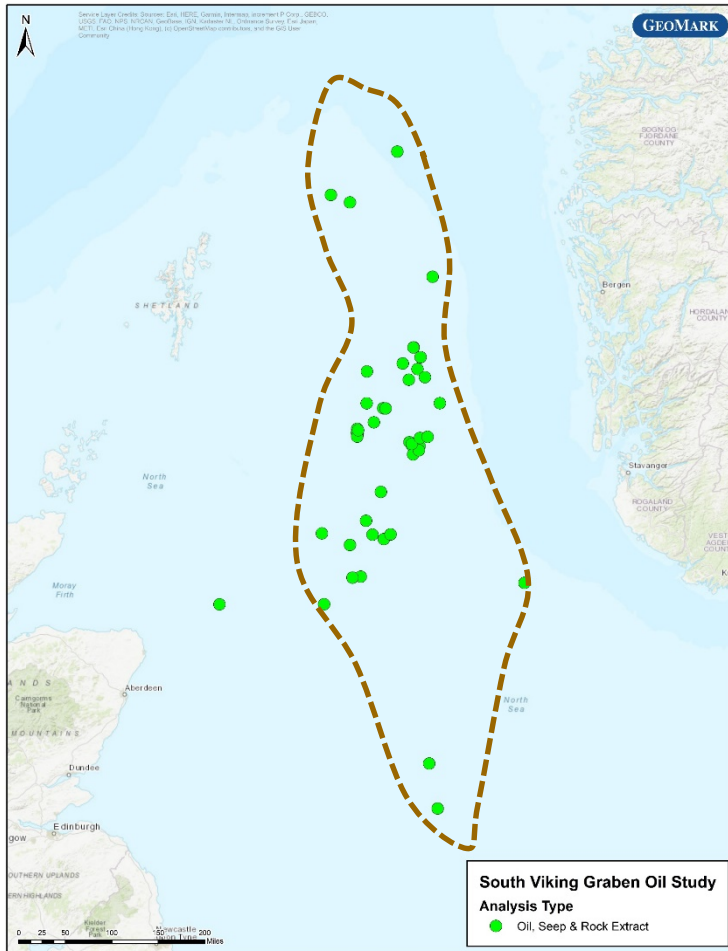


South Viking Graben Oil Study

Regional Petroleum Geochemistry of Crude Oils from South Viking Graben of the North Sea



GeoMark Research has completed an evaluation of the South Viking Graben petroleum systems. The purpose of this study is to identify the number of distinct, active sources in the basin, their depositional environment, extent of migration, and criteria for deconvolving mixed oil signatures for more accurate volume and charge assessments.

This prolific North Sea basin has lacked detailed geochemical analysis that aids in the application of cost saving reservoir geochemistry techniques (production allocation and fluid compartment studies). With this study, GeoMark Research provides the geochemical framework necessary to advance those applications. This study consists of 138 produced oil samples, 252 PVT analysis, and 69 source rock analysis from our proprietary dataset the covers both the United Kingdom and Norwegian portions of the basin.

Key observations from this analysis include:

- Present-day maps of effective source kitchen and migration distance.
- Maps of oil family distribution, tied to specific source facies and generation histories.
- Fluid characteristic trends calibrated to PVT data for enhanced phase and quality prediction.

The purchase price includes a perpetual license to all study documents and a 3-year subscription to the raw dataset.

Well Count: 77
Oil Samples: 138
Source Rocks: 69
PVT samples: 252

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