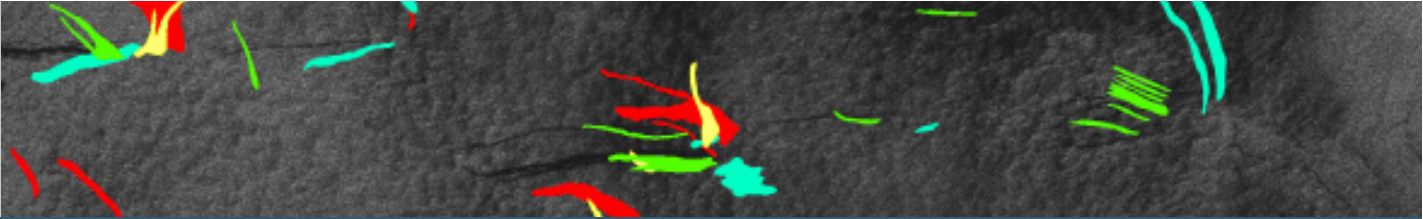




2011 Seepage Study - Australia



As a world leading satellite remote sensing service provider Fugro detect, interpret, classify and monitor natural seepage and pollution slicks occurring in offshore environments

Australia Block Release 2011

The Australian Government has recently announced the 2011 Release Areas which are located offshore the Northern Territory, Western Australia, Victoria and Tasmania. A total of twenty-nine new exploration areas in nine offshore sedimentary basins are on offer (figure 1) with closing dates for bid submissions of 13th October 2011 or 12th April 2012, depending on the exploration status in these areas and on data availability.

The Westralian Superbasin along the North West Shelf, comprising the Bonaparte, Browse, Roebuck and Carnarvon basins, features prominently again in the 2011 Release. These are complemented by two large areas in the Money Shoal Basin, offshore Northern Territory. After a two year hiatus, new exploration areas are also being offered in the Otway and Gippsland basins, offshore Victoria and Tasmania.

Fugro NPA are pleased to offer selected data from their updated circum-Australia SAR seep study (figure 2) which will provide the industry with the locations of potential oil seeps within some of these basins. This is a key piece of the exploration jigsaw as it will identify new oil-prone kitchens in a margin, which (with the exceptions of a few basins and sub basins) is currently still dominated by major gas accumulations.

Data Coverage

- Fugro NPA have acquired and interpreted a total of 189 satellite SAR scenes over the 2011 blocks (figure 2) which has resulted in the identification of over 1900 slicks in these scenes. Additional scenes are available to provide increased coverage in certain areas.
- Thirty percent of the slicks interpreted may represent the surface location of black oil seeps. Multiple coverage has also allowed us to identify potentially significant repeat seeps, further increasing the likelihood that parts of the areas contain active petroleum systems, and by inference leaking oil accumulations.

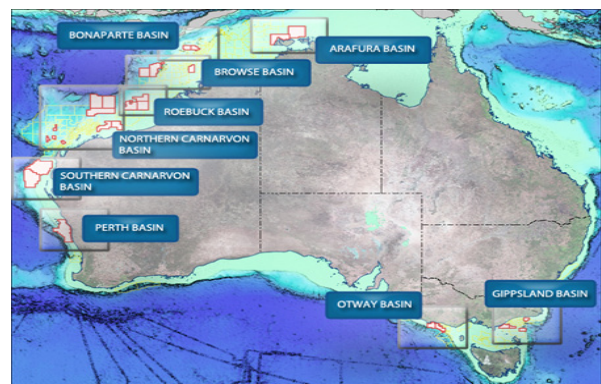


Figure 1: Basins involved in the 2011 Licensing Round (Source: Geoscience Australia)

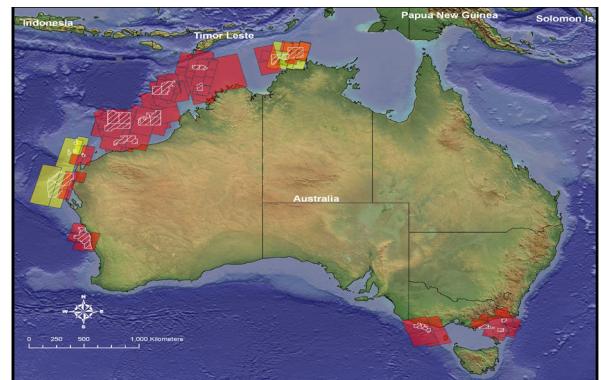


Figure 2: Fugro NPA archive coverage over the 2011 Offshore Australia block release. Red: interpreted scenes, Yellow: newly acquired scenes, White: license block region

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