Australia 2019 seepage study

As a world-leading satellite remote sensing service provider, **NPA Satellite Mapping (NPA)** detects, interprets, classifies and monitors natural seepage and pollution slicks occurring in offshore environments.

**Australia seepage study**

*NPA*’s satellite seepage detection project offers extensive coverage across offshore Australia. Seepage detection by SAR (Synthetic Aperture Radar) is a proven technique for mapping surface oil seeps which could provide the first indication of petroleum systems in these basins:

- Over 1000 interpreted SAR scenes over the offshore Australia license round blocks
- Availability of new, high-quality SAR imagery
- Existing Seismic Verification Layer (SVL) project covering parts of NW Shelf

**Background**

In August 2019, the Australian Government launched an offshore licensing round consisting of 64 release areas. These blocks cover parts of the Bonaparte, Browse, Northern Canarvon, Otway and Gippsland Basins. **NPA**’s offshore seepage database provides comprehensive data coverage overall the blocks on offer in addition to an extensive SVL project on the NW Shelf. This data set represents a vital source of information for assessing the potential for oil within Angola’s offshore acreage.

In light of the Australian licensing round, **NPA** is currently increasing coverage levels of satellite data over the area, which could potentially reveal temporal repetition over existing slicks or discover new sites of possible seepage. This key information for offshore Australia is now available from **NPA**.

**Coverage of Australia offshore license round 2019**

![Distribution of SAR images over offshore Australia](ocean-basemap-courtesy-of-ESRI,-GECO,-NOAA,-National-Geographic,-DeLorme,-HERE,-Geonames.org,-and-other-contributors).

**Possible seepage slick on SAR image**

![Possible seepage slick offshore Australia adjacent to a bid round license block](CGG)

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