Gabon 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.

**Gabon seepage study**

NPA’s satellite seepage detection project offers extensive coverage offshore Gabon. 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:

- Approximately 186 interpreted SAR scenes over the offshore Gabon license round blocks
- Availability of new, high-quality SAR imagery
- Existing Seismic Verification layer (SVL) project using CGG 3D seismic data to verify observed seeps

**Background**

The Republic of Gabon has launched the 12th offshore licensing round that includes 12 shallow water and 23 deep water blocks. NPA’s offshore seepage database provides comprehensive coverage over all the Gabonese blocks on offer, in addition to an extensive SVL project in the south. These data set represent a vital source of information for assessing the potential for oil within Gabon’s offshore acreage.

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

**Coverage of Gabon offshore license round 2019**

Distribution of SAR images over offshore Gabon and existing SVL project (blue outline) [ocean basemap courtesy of ESRI, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors].

**Possible seepage slick on SAR image**

Possible seepage slick offshore Gabon within a bid license block.

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