

# OilGps System – Oil Spill Detection Report

Image Name: IMG-20251231-WA0018.jpg

Detection Status: Oil Spill Detected

Confidence Score: 93.32%

Oil Spill Percentage: 55.48%

Affected Area: 83.22 sq.km

Uploaded Time: 02-01-2026 10:47:58

## Methodology:

- Image converted to grayscale
- Threshold-based segmentation applied
- Morphological operations remove noise
- Pixel analysis estimates affected area