

# OilGps System – Oil Spill Detection Report

Image Name: Screenshot 2025-12-30 230017.png

Detection Status: Oil Spill Detected

Confidence Score: 90.32%

Oil Spill Percentage: 35.45%

Affected Area: 53.18 sq.km

Uploaded Time: 30-12-2025 23:15:18

## Methodology:

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