

# OilGps System – Oil Spill Detection Report

Image Name: Screenshot 2025-12-30 225925.png

Detection Status: Oil Spill Detected

Confidence Score: 91.36%

Oil Spill Percentage: 42.39%

Affected Area: 63.58 sq.km

Uploaded Time: 30-12-2025 23:08:24

## Methodology:

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