

# OilGps System – Oil Spill Detection Report

Image Name: Screenshot 2025-12-30 222527.png

Detection Status: Oil Spill Detected

Confidence Score: 89.34%

Oil Spill Percentage: 28.95%

Affected Area: 43.42 sq.km

Uploaded Time: 30-12-2025 22:29:32

## Methodology:

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