

OilGps System – Oil Spill Detection Report

Image Name: vd1_vis.png

Detection Status: Oil Spill Detected

Confidence Score: 88.66%

Oil Spill Percentage: 24.38%

Affected Area: 36.57 sq.km

Uploaded Time: 30-12-2025 22:23:29

Methodology:

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