

OilGps System – Oil Spill Detection Report

Image Name: vd4_vis.png

Detection Status: Oil Spill Detected

Confidence Score: 96.63%

Oil Spill Percentage: 77.52%

Affected Area: 116.28 sq.km

Uploaded Time: 30-12-2025 22:22:41

Methodology:

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