

OilGps System – Oil Spill Detection Report

Image Name: vd3_vis.png

Detection Status: Oil Spill Detected

Confidence Score: 86.5%

Oil Spill Percentage: 10.01%

Affected Area: 15.02 sq.km

Uploaded Time: 30-12-2025 22:13:14

Methodology:

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