

# OilGps System – Oil Spill Detection Report

Image Name: vd2\_vis.png

Detection Status: Oil Spill Detected

Confidence Score: 94.78%

Oil Spill Percentage: 65.22%

Affected Area: 97.83 sq.km

Uploaded Time: 30-12-2025 22:21:19

## Methodology:

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