

# OilGps System – Oil Spill Detection Report

Image Name: Screenshot 2025-12-05 193011.png

Detection Status: Oil Spill Detected

Confidence Score: 95.88%

Oil Spill Percentage: 72.55%

Affected Area: 108.82 sq.km

Uploaded Time: 30-12-2025 22:42:23

## Methodology:

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