Environmental Impact Assessment (EIA) for the Proposed Construction, Operation and Decommissioning of a Sea Water Reverse Osmosis Plant and Associated Infrastructure Proposed at Lovu on the KwaZulu-Natal South Coast

DRAFT EIA REPORT

<u>Appendix D</u>: Layout and Sensitivity Maps

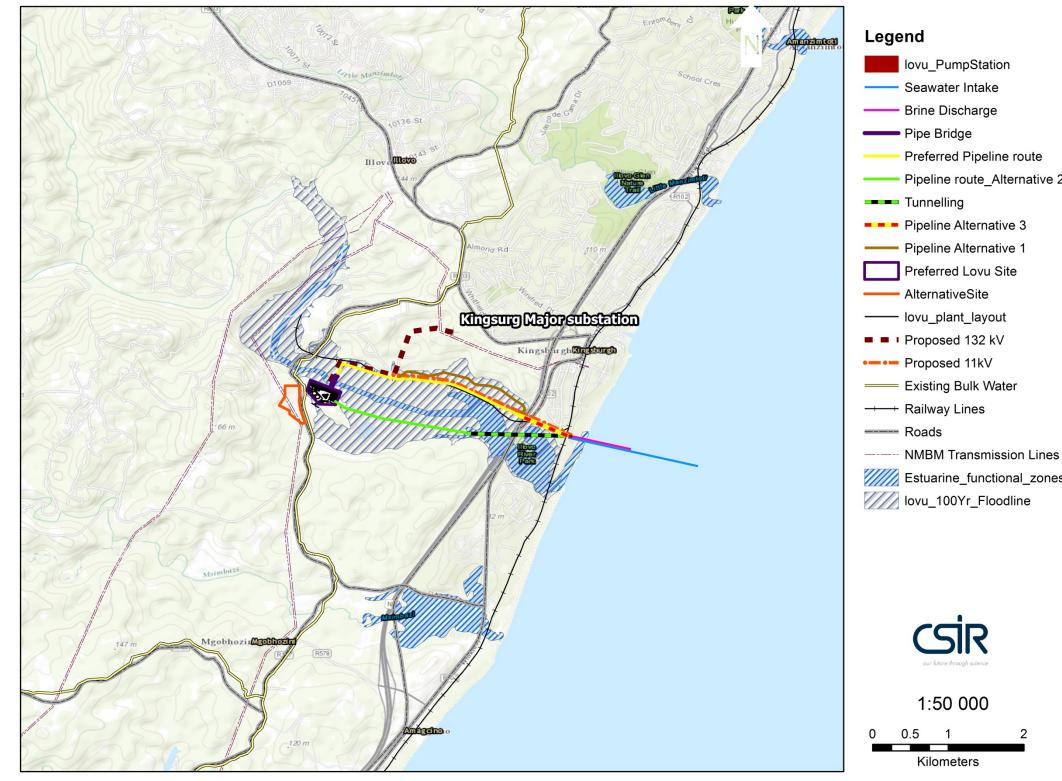


Figure 1 Topographic map 1/50 000 showing the location of the proposed project

Seawater Intake Brine Discharge Preferred Pipeline route Pipeline route_Alternative 2 Pipeline Alternative 3 **Pipeline Alternative 1** Preferred Lovu Site — lovu_plant_layout Existing Bulk Water

Estuarine_functional_zones



1:50 000 2

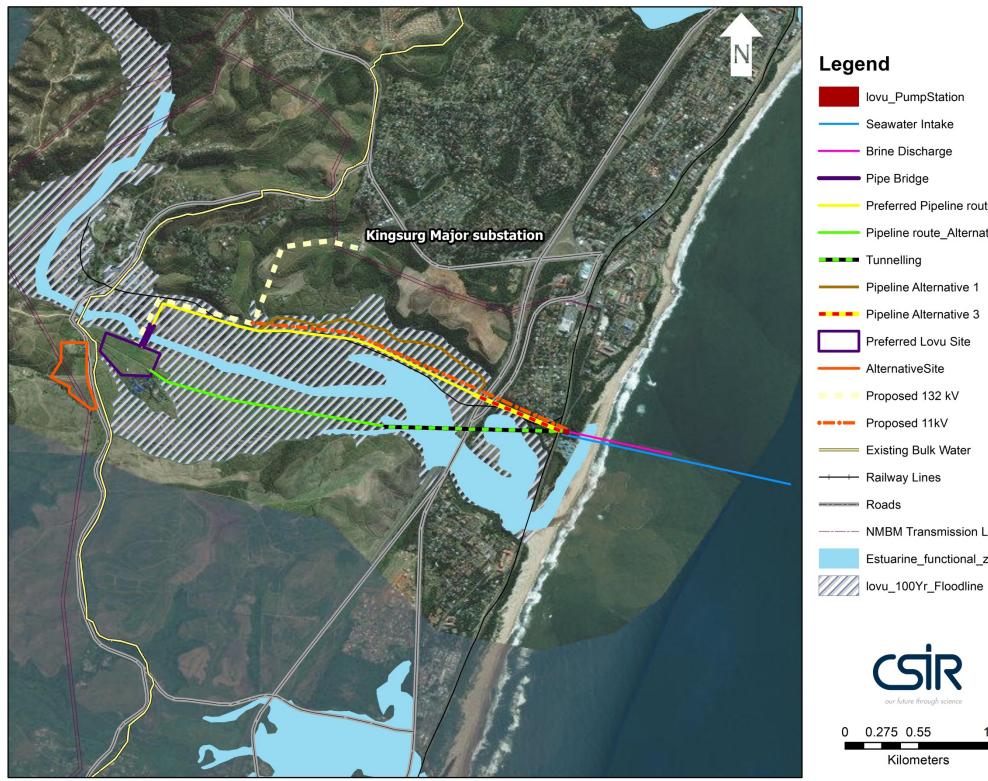


Figure2 Location map for the proposed project

Pipeline Alternative 1 Pipeline Alternative 3

AlternativeSite Proposed 132 kV

Railway Lines

Roads



Kilometers

lovu_PumpStation

Preferred Pipeline route

Pipeline route_Alternative 2

Preferred Lovu Site

Existing Bulk Water

NMBM Transmission Lines

Estuarine_functional_zones_2015



1.1

Environmental Impact Assessment (EIA) for the Proposed Construction, Operation and Decommissioning of a Sea Water Reverse Osmosis Plant and Associated Infrastructure Proposed at Lovu on the KwaZulu-Natal South Coast

DRAFT EIA REPORT

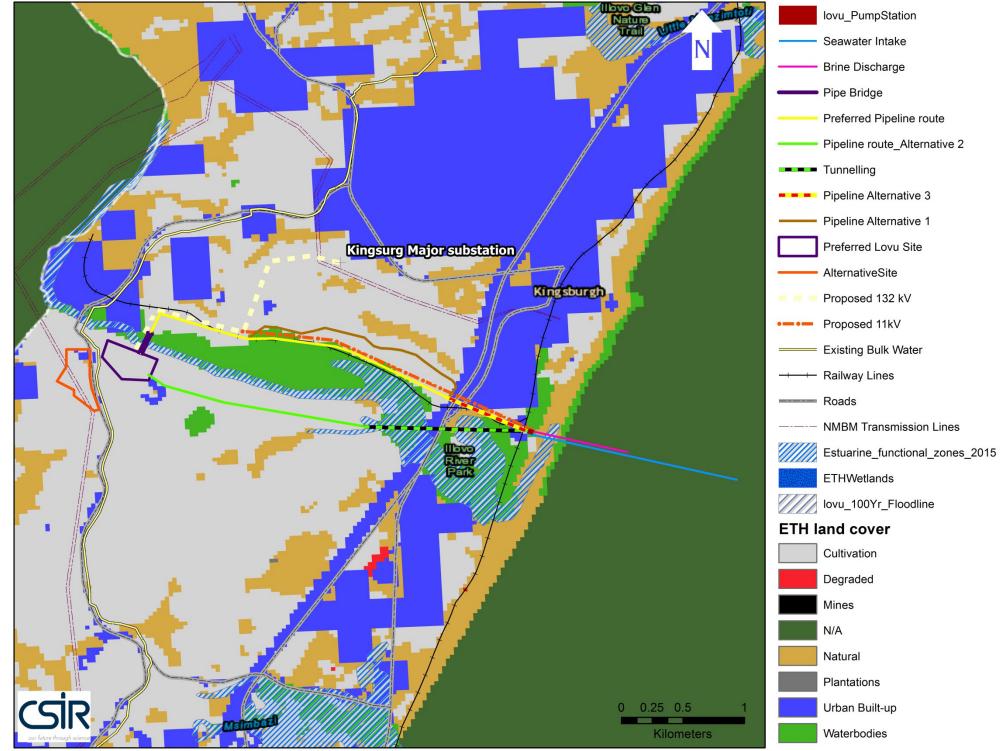


Figure 3 Landcover (SANBI)

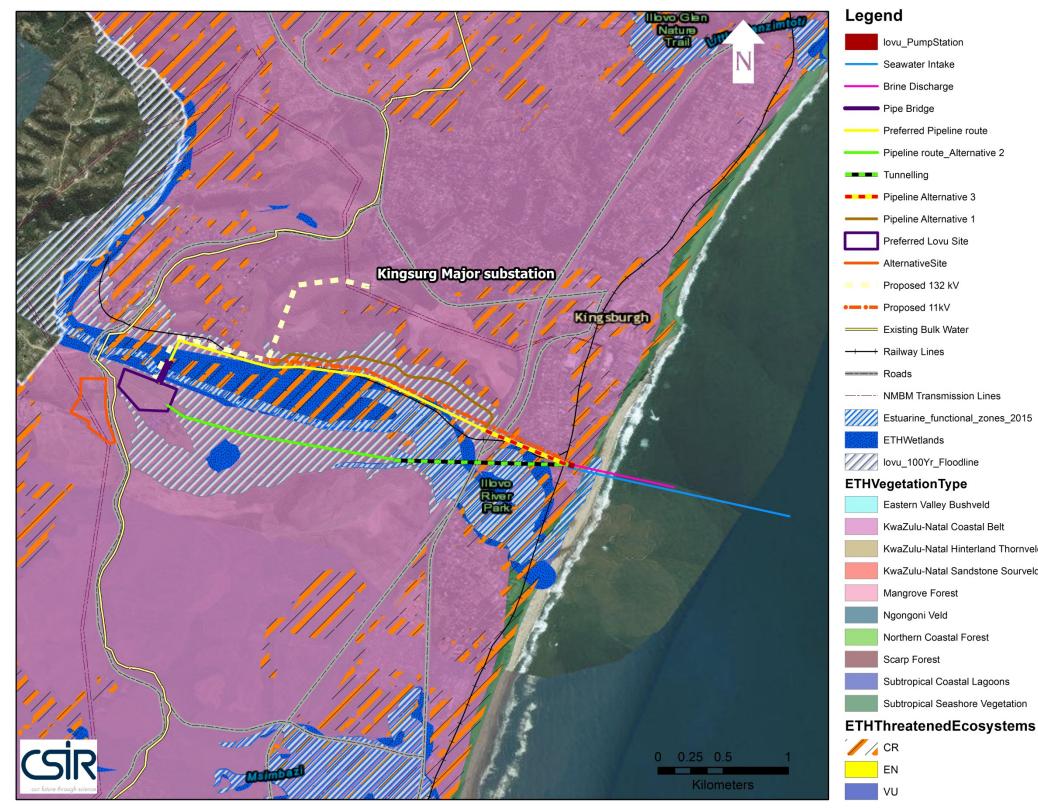


Figure 4 Proposed project in relation to vegetation types and remaining Threatened ecosystems

Pipeline route_Alternative 2

KwaZulu-Natal Hinterland Thornveld

KwaZulu-Natal Sandstone Sourveld

Subtropical Coastal Lagoons

Subtropical Seashore Vegetation

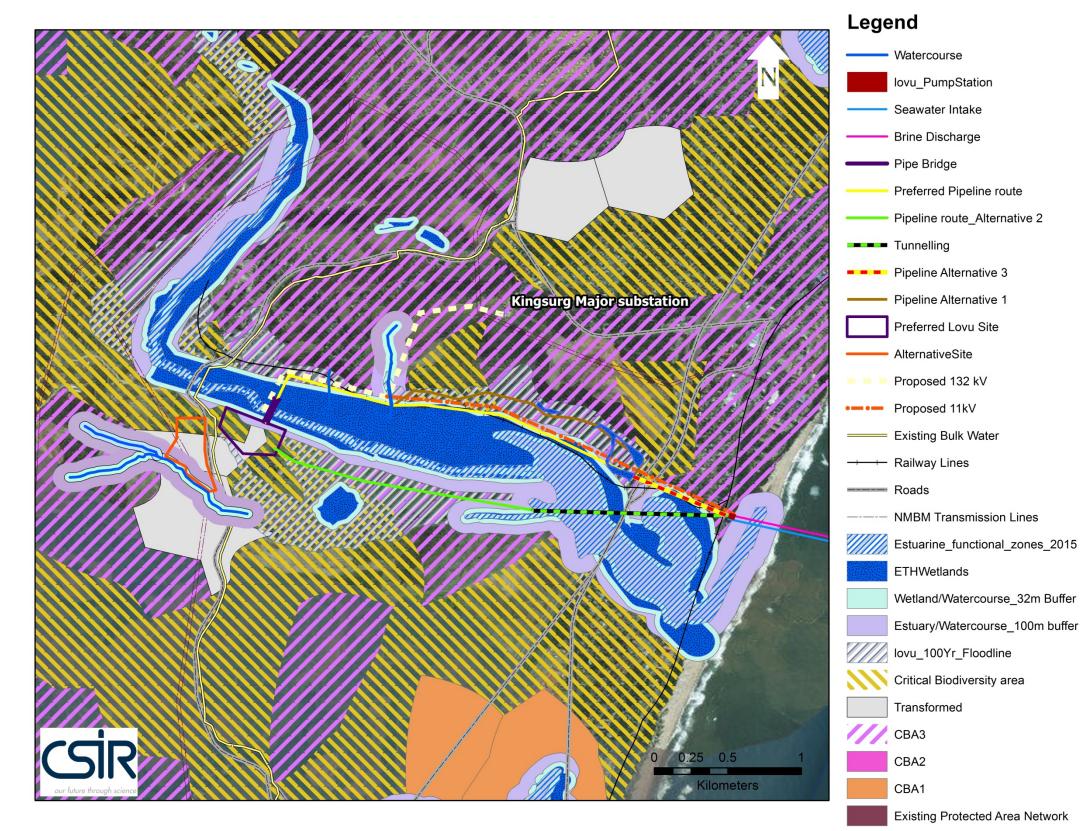


Figure 5 Proposed project in relation to CBA as defined in the EKZNW Terrestrial Systematic Conservation Plan

- Pipeline route_Alternative 2
- Wetland/Watercourse_32m Buffer
- Estuary/Watercourse_100m buffer

Existing Protected Area Network