

Rehabilitation of the Lower Jordan River

**Transforming the Jordan
River from a sewage canal to
a thriving ecological corridor**

**Kinneret Drainage Authority
October 2014**



Project outline and cost estimates: Phase 1

COMPLETED

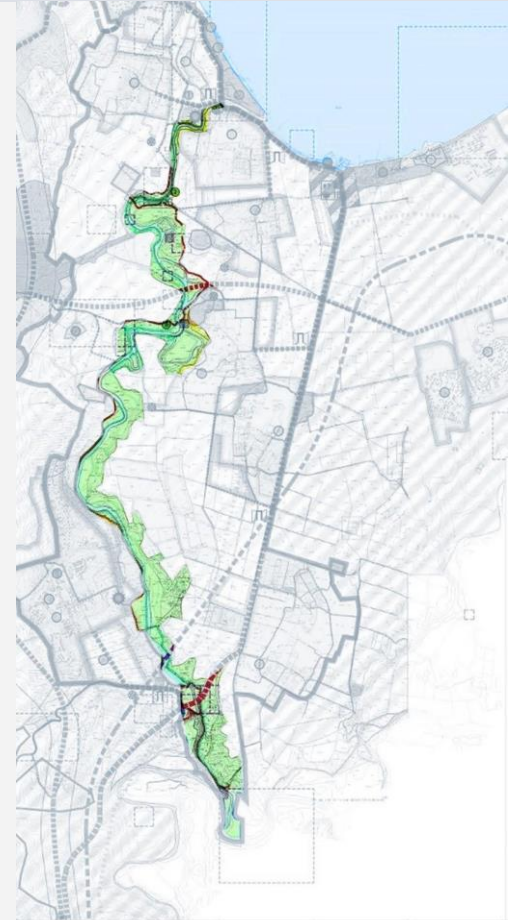
- Build waste treatment plan **\$ 50,000,000**

IN PLANNING STAGE

- Build desalination plant and storage Reservoir **\$ 50,000,000**

IN PROGRESS

- Clean up riverbed contamination **\$500,000**
- Biological treatment of sludge **\$800,000**
- Implement tourism, ecology and hydraulic maintenance plans **\$6,200,000**



Water rehabilitation

- Optimal utilization of Water Authority water allocation:
 - 40 million m³ per year**
 - 1000 mg/l average salinity**
- Ensuring water flow quantity and quality
- Fish ponds treatment plan
- Pollution sources treatment program, including treating contaminated soils




Ecological rehabilitation: River morphology



Make riverbanks less steep, more structurally complex and varied

Ecological rehabilitation: Restoring meanders



**Recreate the river's natural bends,
crucial for diverse habitat formation**

Ecological rehabilitation: Restoring meanders



**VEGETATION BEGINNING TO
GROW**

Ecological rehabilitation: Creating islands



ISLANDS TO BE PLANTED WITH LOCAL GRASSES AND PLANTS

Ecological rehabilitation: Restoring habitats



LOG AND BRANCH HABITATS FOR BIRDS

ROCK HABITATS FOR TURTLES AND SNAILS

NEWLY-PLANTED NATIVE SPECIES, GATHERED LOCALLY

Thank you!

