

WATER RESOURCES IN UKRAINE

9 river basins

7 river basins - transboundary

9175 water body



Significant Water Management Issues

Organic Pollution

Nutrient Pollution

Hazardous Substances Pollution

Hydro morphological Alterations

Climate Change Impacts

62 % water bodies
with significant pressures

40 % water bodies with
hydro morphological alterations

Water pollution as a result of military operations



Long-acting chemical pollution

Dangerous and toxic substances, oil products, propellant residues and explosives
(*Nitrotoluene, Dinitrotoluene, Trinitrotoluene*)

Monitoring shows:

Exceeding the norm for **Hg, Cu, Zn, Mn**.

Growth of **organic and biogenic pollution**.

Exceeding the content of **surfactants** (benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(h,h,i)perylene) by **2-8 times**.

Exceeding the norms for **oil products** and **mercury by 8.5 times** is observed in those places where before the war they were not recorded at all.

Destruction of infrastructure due to war



State Agency of Water
Resources of Ukraine

500

infrastructure facilities

753.3 million m³

The volume of water lost due to
damage and destruction of dams

154.4 million dollars
the cost of destroyed objects

7.7 billion dollars

The cost of restoration of irrigation
systems, drainage and hydrotechnical
structures for 10 years

Significant Water Management Issues + WAR RUSSIA against Ukraine

River Basin Management Plans as a RECOVERY PLAN

NATURE-BASED SOLUTIONS should be **INTEGRATED** into the
PROGRAM OF MEASURES of river basin management plans

**Adaptation and mitigating measures
to climate change**

Restoration of floodplains and wetlands

Renaturalization of rivers

**Restoration of hydromorphological
characteristics of river**

Restoration of coastal protective strips

What has already been done in Ukraine?



A ROAD MAP for the renaturalization and revitalization of water bodies has been developed



A WORKING GROUP was created at the State Water Agency



A PROJECT OF METHODOLOGICAL RECOMMENDATIONS ON RESTORATION of hydromorphological characteristics of rivers has been developed



PILOT PROJECTS on renaturalization of rivers are being implemented

Mechanisms of implementation of nature-based solutions

Information needs

Monitoring the impact of
war on water resources

Water cadastre

Trainings and promotion

Sectoral cooperation in planning
the program measures

Dissemination of NBs practices

Study programs

Legal transformations

Legislative regulation of NBs

Financial instruments

Proposals for project

Integration of NBs into measures of river basin management plans
- a wide educational **project for planners and managers of funds
and executors of nature-oriented activities**