

River Basin Management Plan Don 2025–2030



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EU4Environment
Water and Data in Eastern Partner Countries

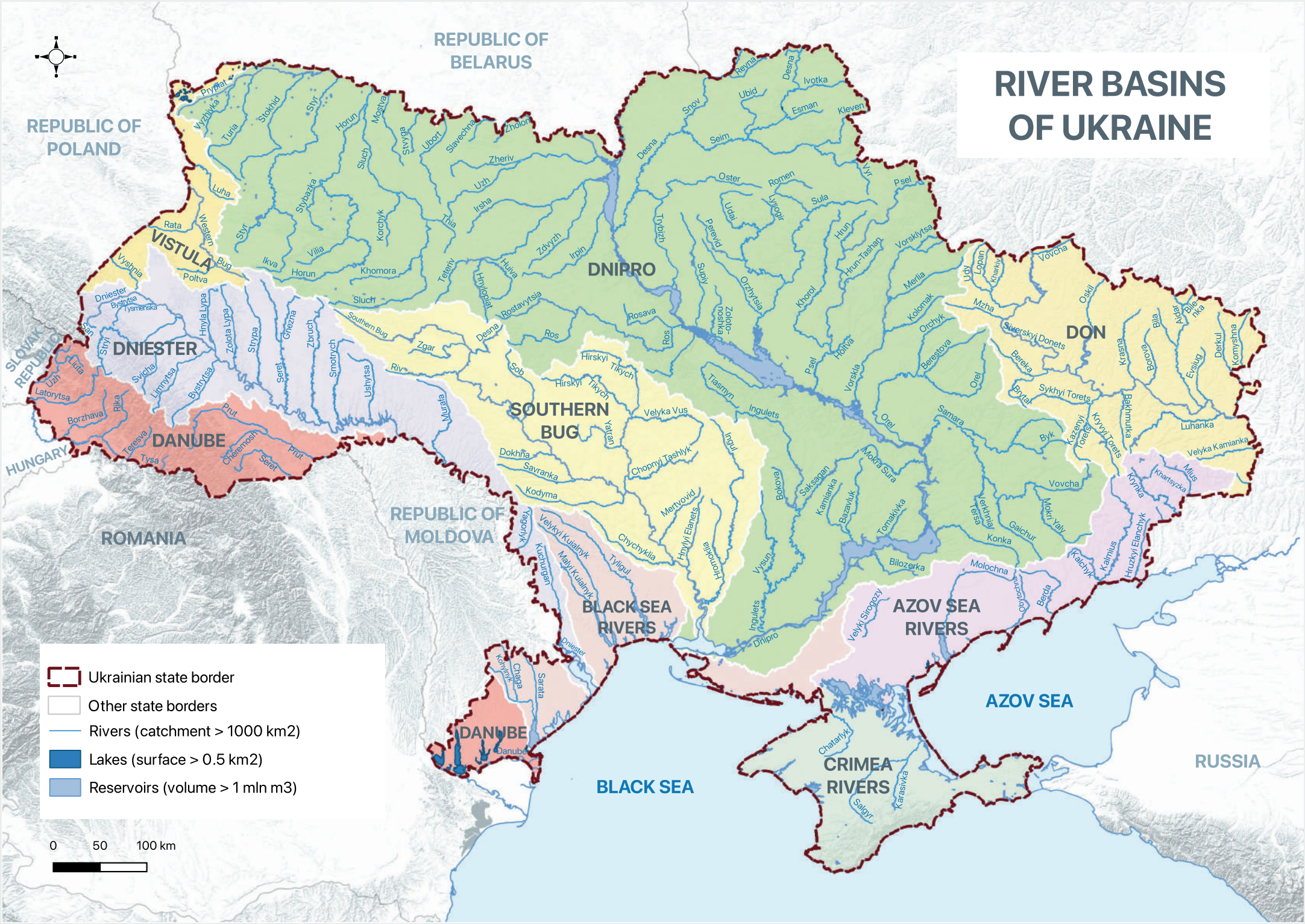


Ministry
of Environmental Protection
and Natural Resources
of Ukraine



State Agency
of Water Resources
of Ukraine

RIVER BASINS OF UKRAINE



REPUBLIC OF POLAND

REPUBLIC OF BELARUS

SLOVAK REPUBLIC

HUNGARY






ROMANIA

REPUBLIC OF MOLDOVA

BLACK SEA

AZOV SEA

RUSSIA

-  Ukrainian state border
-  Other state borders
-  Rivers (catchment > 1000 km²)
-  Lakes (surface > 0.5 km²)
-  Reservoirs (volume > 1 mln m³)

0 50 100 km



RIVER BASIN GEOGRAPHY



The transboundary Don River Basin is located on the territory of **two countries**: Ukraine and the Russian Federation.



The basin covers the territory of **3 oblasts of Ukraine** – Kharkiv, Donetsk, Luhansk. The Don basin has **two sub-basins**: Siverskyi Donets and Lower Don.

699 surface water bodies (SWBs):

- 488** rivers
- 1** lakes
- 0** transitional waters
- 0** coastal waters
- 203** HMWBs*
- 7** AWBs*

39 groundwater bodies (GWBs)

* HMWBs – heavily modified water bodies, AWBs – artificial water bodies



Oblasts:

- Kharkiv
- Donetsk
- Luhansk

Countries:

- Ukraine
- Russian Federation



ECOLOGICAL STATUS AND POTENTIAL



MAIN ELEMENTS:

- ✓ **Biological** (composition and abundance) parameters
 - macro invertebrates
 - other aquatic flora
 - phytoplankton
 - fish (not determined)



SUPPORTING ELEMENTS:

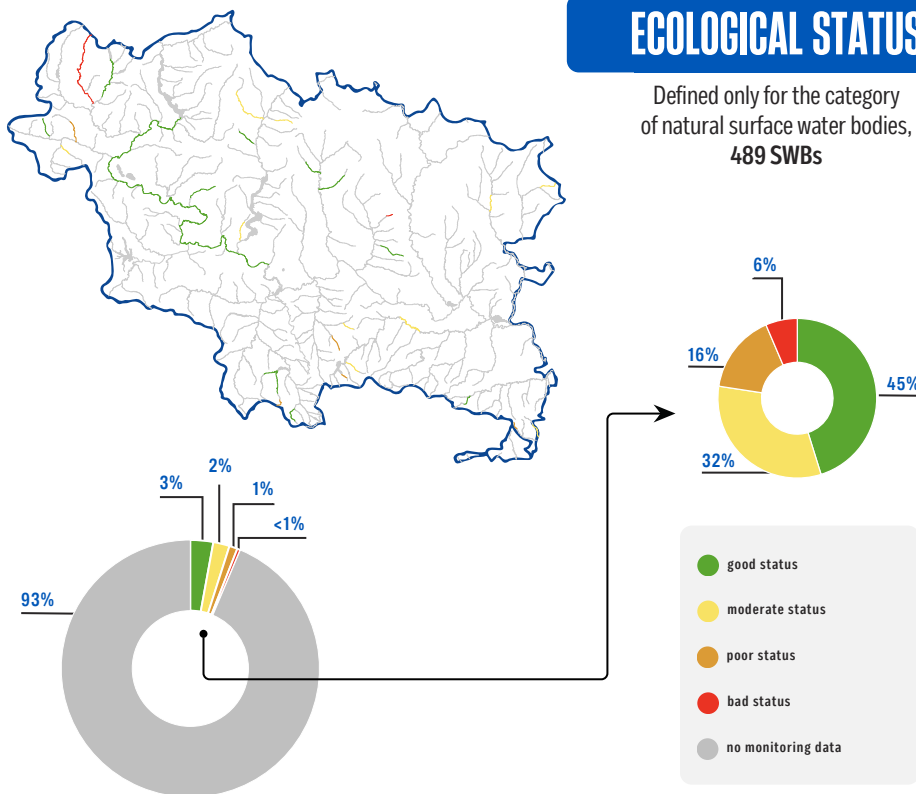
- ✓ Chemical and physico-chemical parameters
- ✓ Hydromorphology (flows, sediments)
- ✓ Basin specific (synthetic and non-synthetic) pollutants



Link to the methodology document

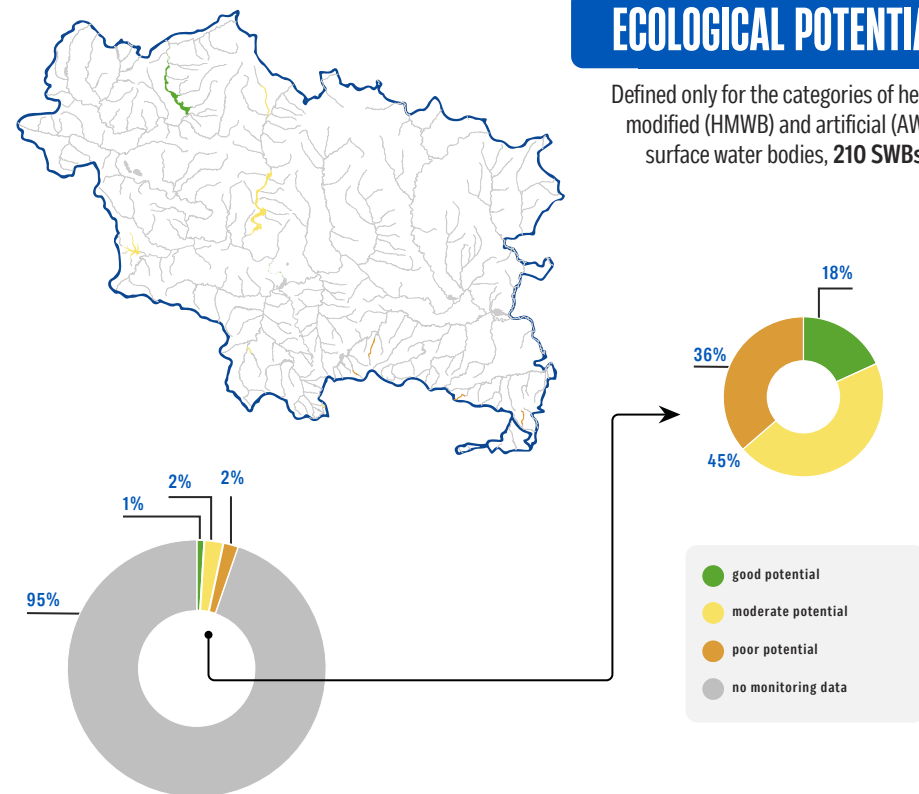
ECOLOGICAL STATUS

Defined only for the category of natural surface water bodies, **489 SWBs**



ECOLOGICAL POTENTIAL

Defined only for the categories of heavily modified (HMWB) and artificial (AWB) surface water bodies, **210 SWBs**



CHEMICAL STATUS



This is determined for **45 pollutants**.

If the concentration of any of them exceeds the established environmental quality standard for surface water, the status of the SWB is classified as **“failure to achieve good status”**.



Exceedances of the following pollutants were identified:

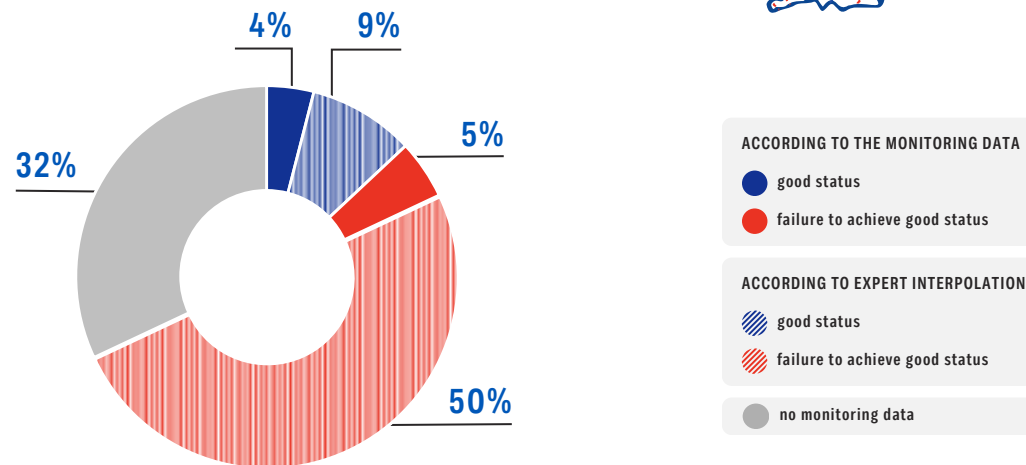
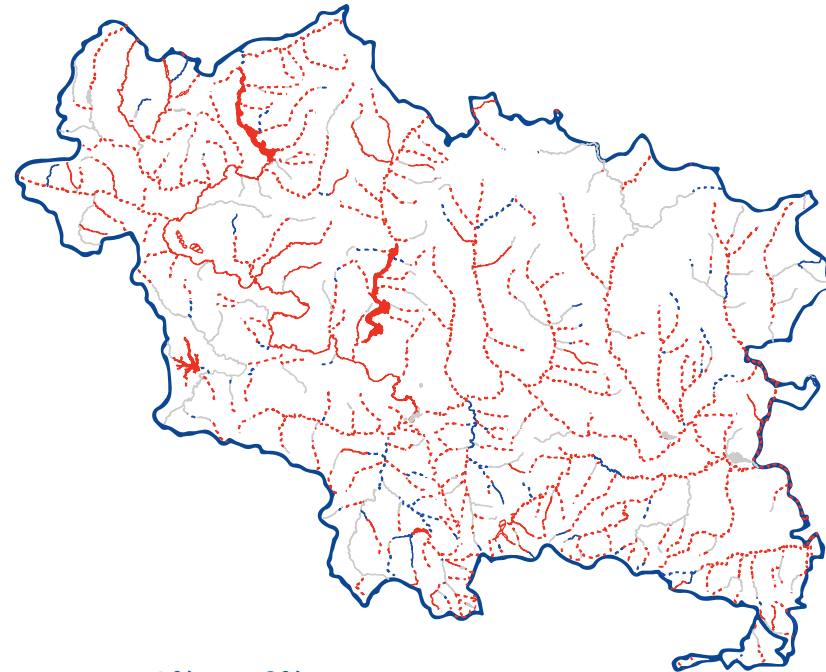
aclonifen, benzo(b)fluoranthene, benzo(g,h,i)perylene83, benzo(k)fluoranthene, endosulfan, fluoranthene, chlorpyrifos, cybuthrin, cypermethrin, DDT, dicofol, para-para-DDT, trifluralin, trichloromethane, cyclodiene pesticides, lead, nickel, cadmium.



Chemical monitoring of GWBs is not conducted at present.



List of pollutants

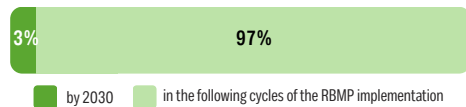


ENVIRONMENTAL OBJECTIVES FOR SWBs*

- 1 Preventing the deterioration of all SWBs
- 2 Achieving / maintaining a **good ecological and chemical status** of all natural SWBs (rivers, lakes, transitional and coastal waters)
- 3 Achieving / maintaining a **good ecological potential and chemical status** of heavily modified and artificial SWBs
- 4 Gradual **reduction** to the complete absence of **hazardous substances**



Timeframe for achieving the good ecological status of SWBs



Timeframe for achieving the good chemical status of SWBs

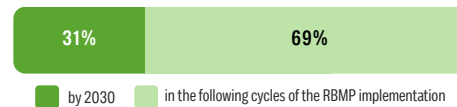


ENVIRONMENTAL OBJECTIVES FOR GWBs**

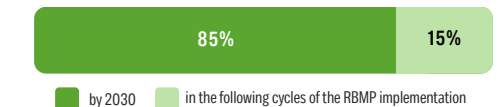
- 1 Preventing the deterioration of all GWBs
- 2 Achieving / maintaining a **good quantitative and chemical status** of all GWBs
- 3 Preventing and limiting groundwater pollution



Timeframe for achieving the good chemical status of GWBs



Timeframe for achieving the good quantitative status of GWBs



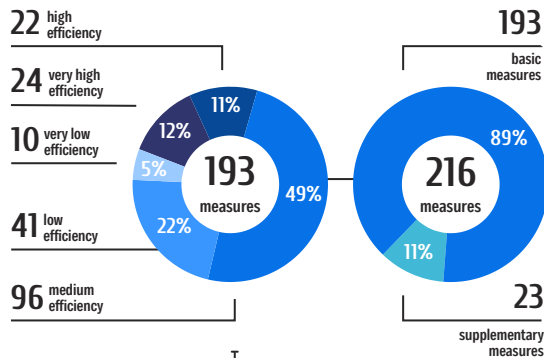
<https://cutt.ly/oengy9jl>

Link to the methodology document

* The map shows the deadlines for achieving a good ecological status of the SWBs

** The map shows the deadlines for achieving a good chemical status of the GWBs

PROGRAMMES OF MEASURES



€819M*

TOTAL COSTS OF MEASURES

€22*

COSTS OF MEASURES PER INHABITANT PER YEAR



<https://cutt.ly/ce0DaCp>

A full list of Measures is available in the Don River Basin Management Plan

SANITATION

- 1 Reconstruction of WWTPs and SNs** in Vovchansk, Rubizhne, Lysychansk, Chasiv Yar, Popasna, Soledar cities...
- 2 Reconstruction of WWTPs, SPSs** and SNs in Kharkiv, Siversk
- 3 Recovery of the drainage system in Sviatohirsk city
- 4 Reconstruction of WWTPs and SNs in Horlivka, Myromhrad, Kupiansk, Bakhmut cities
- 5 Reconstruction of WWTPs, SPSs and SNs in Toretsk, Kramatorsk, Izyum, Druzhkivka, Kostiantynivka, Lyman, Avdiivka cities (or construction)
- 6 Reconstruction of the WWTP, SPS, SN and construction of stormwater treatment facilities in Sloviansk city
- 7 Construction and reconstruction of stormwater drainage networks and treatment facilities in Kharkiv city
- 8 Construction of industrial wastewater treatment facilities after water treatment at the Municipal enterprise "Kharkivvodokanal"
- 9 Construction of a WWTP in Pechenily city
- 10 Construction of a WWTP and SN at the Tsyrukivska and Shakhivska communities... Pvidenne city, Peresichne and Vilshany towns... the villages of Mala Rogan, Snizhkov...
- 11 Reconstruction of WWTPs in Valky and Nova Vodolaha cities, Budy and Mykolaivka towns, Khoroshevsky Geriatric Nursing Home
- 12 Reconstruction of WWTPs and SNs in Shchastia, Chuhuiv, Piatyhirsk, New York towns... Strilecha and Serhiivka villages...
- 13 Reconstruction of WWTPs, SPSs and SNs in Balakliya, Dokuchaevske, Zmiiv, Shevchenkove, Liubotyiv, Pokrovske towns...
- 14 Reconstruction of WWTPs at the LLC "Naftogazvydobuvannya Kompaniya" of the "Teploelektrocentral Azot Association", the OJSC "Lysychanska Soda", the PJSC "Toretskvuhillya", the SE "Selydivuhillya", the SE "Myromhradvuhillya", the SE "Selydivuhillya", the SE "Toretskvuhillya", the "Zmiivska Paper Mill" LLC, and the "Novokramatorsk Machine-Building Plant" PJSC...
- 15 Reconstruction of WWTPs at the JSC "Ukrzaliznytsia" Branches of Panyutynsky Carriage Repair Plant and the PJSC "Slayansky Chalk and Lime Plant"...

TOTAL COSTS OF MEASURES

€794M
or 97%

HYDROMORPHOLOGY

- 1 Restoration of the damaged hydropower station of Pechenizhske Reservoir
- 2 Project "Reconstruction of the Hydropower Station of the Kleban-Dyk Reservoir"
- 3 Revitalization of rivers and installation of bank protection zones in the towns of Sukhyi Torets, Kazernyi Torets, Naumikha (Neumikha) (elimination of dams), Bychok, Bilenka II, Bilenka, Sukhyi Torets, Bakai (Sorishchi), Mayachka, Kolontaiivka, Sukha, Aidar, sections of the Siverskyi Donets River (Slobozhanska community)
- 4 Revitalization of lakes and allocation of bank protection zones at Liman-1 and Liman-2 lakes, at Showkovychne and Mykhalivske lakes
- 5 Remeandering river channels and establishment of bank protection zones at Duvanka and Yevsyug rivers
- 6 Establishment of water protection zones and bank protection zones at Haryache, Repne, Slijone, Levadne 1 and -2 and Chervone lakes (within the city of Sloviansk)
- 7 Remeandering rivers and establishment of bank protection zones at Babka, Plotynna and Hnylytsa rivers
- 8 Elimination of dams and sluice gates at the Kazennyi Torets, Bila, Kryvyi Torets and Mazaniv Yar (Orikhova) rivers, and at the Tkachov Gully
- 9 Reconstruction of hydraulic structures of Mayachka Reservoir (the Mayachka River) with the development of new operating rules within Kramatorsk community
- 10 Elimination of dams at the Karpivska (Bessarabiivka river basin), Bez nazvy (Bereka river basin) and Bez nazvy (Bereka river basin) rivers

INDUSTRY

- 1 Prevention of pollution by hazardous substances from storage facilities through research and monitoring of the storage facilities at the PJSC "Severodonetsk Azot Association", the OJSC "Lysychanska Soda", the PJSC "Avdiivka Coke Plant", and the PJSC "Central Processing Plant Dzerzhynska"
- 2 Prevention of pollution by hazardous substances from the storage facility through waste disposal at the "Rubizhne Water and Sewerage Utility Company", the "Lysychanska Soda" OJSC
- 3 Reconstruction of treatment facilities at the "Ukrshakhtgidrozakhystr" State Enterprise
- 4 Reconstruction of treatment facilities at the "Myromhradvuhillya" State Enterprise

AGRICULTURE

- 1 Prevention of contamination by livestock waste from the storage facility at the PJSC "Bakhmut Agrarian Union"
- 2 Establishment of bank protection zones within the city of Sloviansk at the Sloviansk community
- 3 Establishment of water protection zones and bank protection zones of water bodies

OTHER

- 1 Improving state water accounting in the Don River Basin

VERY HIGH EFFICIENCY



50% of the budget benefit for 5976K ppl.

HIGH EFFICIENCY



30% of the budget benefit for 3188K ppl.

MEDIUM EFFICIENCY



13% of the budget benefit for 2333K ppl.

LOW EFFICIENCY



7% of the budget benefit for 3366K ppl.

VERY LOW EFFICIENCY



< 1% of the budget benefit for 96K ppl.

SUPPLEMENTARY MEASURES

23

measures



benefit for 6,5K ppl.

- 1 Study of the impact of military operations on the status of SWBs
- 2 Inventory of surface water bodies and survey of hydrotechnical facilities
- 3 Conducting studies on the impact of invasive species on the status of SWBs
- 4 Conducting research on the restoration of the Rayhorod and Oskil Reservoir Dams
- 5 Development of a Drought Management Plan (DMP) as part of the RBMP
- 6 Inventory of the network of observation wells of GWBs, reassessment of operational groundwater reserves

* according to the NBU rate 1 EUR = 45 UAH, June 2024; calculations of costs of measures were carried out during 2016-2023

** WWTP – waste water treatment plant, SN – sewage network, SPS – sewage pumping station

M – million; K – thousand; ppl. – people

