

Water

Targets: maintain the recycled water ratio and reduce pollution; continue providing clear water to local communities.

Key next steps: develop solutions for treatment of mine and industrial wastewater, build and operate new treatment facilities, deploy new technical solutions, remediate pollution from environmental accidents in line with the Great Norilsk Expedition recommendations.

The Company's major production assets are located in regions with sufficient water resources. In 2021, as in previous years,

no shortage of water was reported as enterprises and households were supplied with sufficient amounts of water. In general, the Company is extremely careful about its use of fresh water and strictly complies with restrictions applicable to industrial water withdrawal. The Company is committed to sustainable use of water resources and prevention of water body pollution.

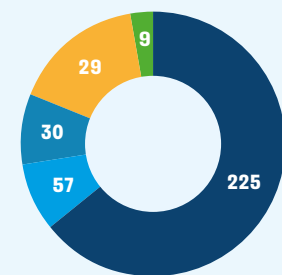
Nornickel's key production facilities use closed water circuits to keep water withdrawal on a relatively low

level. Furthermore, the Company never withdraws water from protected natural areas. In 2021, 85% of all water used by the Company was recycled or reused. This water was mostly withdrawn from surface and underground water bodies, in addition to third-party wastewater and natural water inflow. Natural water inflow and meltwater accounted for 15% of the total water withdrawal in 2021. All facilities using water have programmes in place to monitor water bodies and water protection areas.

Water consumption and discharge

WATER WITHDRAWAL

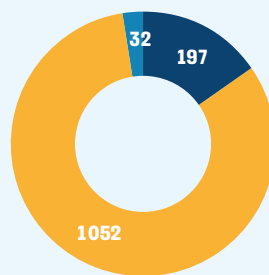
351 Mcm:



- Surface sources
- Underground sources
- Wastewater
- Natural water inflow
- Other

CONSUMPTION

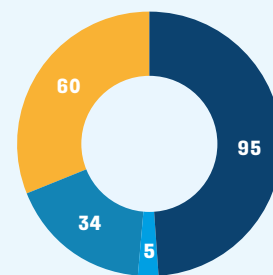
1.281 Mcm:



- fresh water
- water reused in other production processes
- recycled water

WASTEWATER DISCHARGE

194 Mcm:



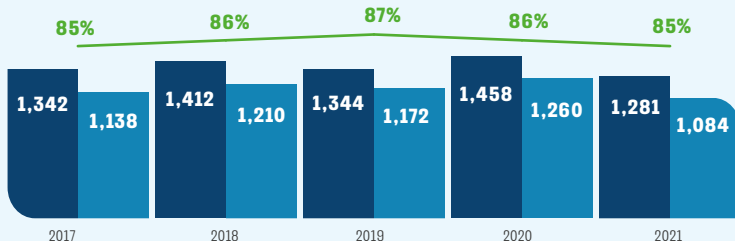
- Clean
- Treated
- Insufficiently treated
- Contaminated

Wastewater discharge into water bodies also does not exceed the approved limits or have any material impact on biodiversity of water bodies and related habitats.

In 2021, the mass of pollutant discharges decreased by

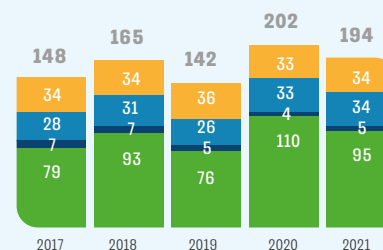
3% y-o-y.

Water consumption (Mcm)



- Consumed water volume
- Water recycled and reused
- Share of reused and recycled water

Wastewater discharge (Mcm)



- Clean
- Treated
- Insufficiently treated
- Contaminated



ENVIRONMENTAL PROJECTS ACCOUNT FOR **30%** OF THE TOTAL NUMBER OF INNOVATIVE INITIATIVES IN THE COMPANY'S PORTFOLIO, INCLUDING:

- ⇒ digital monitoring of the quality of wastewater discharge for compliance with legal requirements for water management, taking into account the development of a system for collecting, analysing and visualising data from Automated Laboratories
- ⇒ setting up an electronic system for recording the results of operational environmental control across all aspects of the Company's environmental impact, including automated reporting and generation of declarations, etc.
- ⇒ monitoring of waste storage facilities using a quadcopter, including to prevent risks related to unauthorised waste disposal.

WATER RISK MANAGEMENT

The Company's ongoing procedures to assess the risks of its impact on water resources include:

- wastewater inventory
- monitoring of wastewater discharge volume and quality at discharge sites
- observation of surface water bodies at control points upstream and downstream of discharge sites
- investments in improving the performance of water treatment systems and building new systems
- monitoring of wastewater treatment processes at treatment facilities and implementation of organisational and technical measures to improve treatment effectiveness.