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SUSTAINABILITY ([HTTPS://MERDEKACOPPERGOLD.COM/EN/SUSTAINABILITY/](https://merdekacoppergold.com/en/sustainability/))

- Environment →
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- Community →
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Water

OUR APPROACH

2022 PERFORMANCE

Water Management at Tujuh Bukit Gold Mine in 2022

- Discharged 7,260 megaliters of water.
- Withdrew 102.6 megaliters of rainwater and 36.4 megaliters of groundwater.
- Recycled 702 megaliters of water from detoxified water for ore processing and supporting activities, accounting for 7% of the total water used.

Water Management at Wetar Copper Mine in 2022

Throughout 2022, BKP-BTR withdrew a total of 262.5 megaliters of water. In the same period, BKP-BTR released 301.5 megaliters of water from mineral processing into the Kuning River and runoff water into the Kuning River (1,938.7 megaliters), Wetuk River (369 megaliters), and Koreng River (540.7 megaliters).

Water Management in the Merdeka Group's Other Mining Operations and Projects in 2022

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 In 2022, a total of 12,735.7 megaliters of water were released by Merdeka. Throughout the year, there were no significant incidents or permanent spills in Merdeka's operational areas that caused disruptions to the environment and surrounding communities.

OK

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Jumlah Pengambilan Air pada Masing-Masing Unit Usaha (dalam Megaliter)
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Sumber pengambilan air Source of water withdrawal	2020	2021	2022
Merdeka Emas Tujuh Bukit (BSI) / Tujuh Bukit Gold Mine			
Air hujan / rainwater	1,523.6	1,317.6	102.6
Air tanah / groundwater	24.6	29.6	36.4
Tambang Tembaga Wetar (BKP-BTR) / Wetar Copper Mine			
Air Sungai / river water	144.50	146.52	262.52
Smelter Nikel Morowali (BSI-CSI) / Nickel Smelter			
Air Sungai / river water	-	-	0.68
Proyek AIM (MTI) / AIM Project			
Air tanah / groundwater	-	-	27.6
Pihak ketiga (Pembelian dari IMIP) Third party (purchase from IMIP)	-	0.2	102.2
Proyek Nikel SCM / SCM Nickel Project			
Air Permukaan / surface water	-	-	59.07
Air Hujan / rainwater	-	-	9.8
Proyek Emas Pani / Pani Gold Project			
Air hujan / rainwater	-	-	7.23
Air Sungai / river water	-	-	13.1
Total pengambilan air Total water withdrawal	1,692.7	1,493.9	621.2
Persentase pengambilan air dari sumber air alternatif Percentage of water withdrawal from alternative water sources	90%	88%	19%

(https://merdekacoppergold.com/wp-content/uploads/2023/09/SR-2022_Tabel_Air.jpg)

Table 1. Water Extractions in Each Merdeka Business Unit in 2022.

Water Management at Tujuh Bukit Gold Mine →

Water Management at Wetar Copper Mine ↓

Wetar Copper Mine manages water within a closed circuit system. The managed water comes from mineral processing residues and runoff water. Water from mineral processing residues is collected in Storm Water Ponds (SWP) 3, SWP 2, and KK SWP, utilizing former mining pits. Runoff water is collected in sediment ponds Sump 3, Sump 4, Sump 5, Wetland, and the newly added sediment ponds in 2022: sediment ponds SP-1 and SP-2.

Both runoff and mineral processing residue collection points are connected to several rivers. Sump 3, Wetland, and SWP 3 are connected to the Kuning River; SP-1 and SP-2 are connected to the Lurang River; and Sump 4 and 5 are connected to the Wetuk River and Koreng River, respectively. If it is necessary to release water into the river, the water collected in the sediment ponds is neutralized beforehand to ensure it meets the government's quality standards when discharged. Each release at the compliance points is measured, monitored, and reported to the government on a quarterly basis.

Wetar Copper Mine also monitors the water quality in the rivers within the mining area and the coastal areas near the river estuaries. River and coastal monitoring is conducted quarterly by a third party, and the results are reported to the government.

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Document (<https://mdk.hexfoundation.id/en/document/>)
(<https://merdekcoppergold.com/en/>)



ENVIRONMENTAL POLICY

<https://merdekcoppergold.com/en/>
MERDEKA
Policy Environmental • 399.2 KB - 8 September 2021 (https://merdekcoppergold.com/wp-content/uploads/2022/10/MDKA_2022-07_Environmental_Policy.pdf)

NET ZERO STATEMENT

Merdeka Group Net Zero Statement • 343.3 KB - 13 December 2021 (https://merdekcoppergold.com/wp-content/uploads/2022/05/MDKA_2021_Pernyataan_Nol-Bersih_IND-ENG.pdf)

Sustainability Report



SUSTAINABILITY REPORT 2022
(https://merdekcoppergold.com/content/uploads/2022/05/MDKA_2022-07_Environmental_Policy.pdf)
Merdeka-Copper-Gold-Tbk-Sustainability-Report-2022.pdf)



SUSTAINABILITY REPORT 2021
(https://merdekcoppergold.com/content/uploads/2021/12/MDKA_2021_Pernyataan_Nol-Bersih_IND-ENG.pdf)
Keberlanjutan.pdf)



SUSTAINABILITY REPORT 2020
(https://merdekcoppergold.com/content/uploads/2020/12/MDKA_2020_Sustainability_Report.pdf)
Keberlanjutan.pdf)



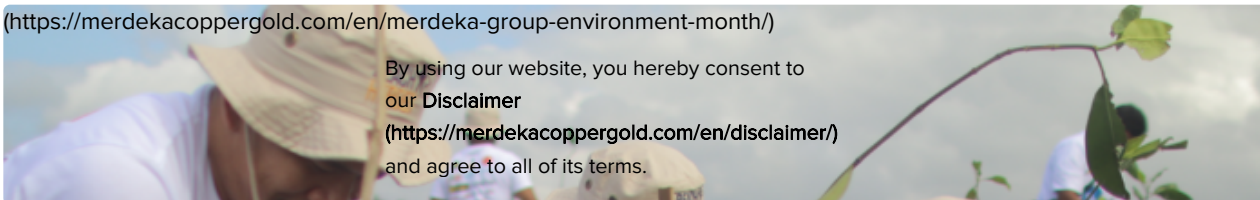
SUSTAINABILITY REPORT 2019
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Keberlanjutan.pdf)



SUSTAINABILITY REPORT 2018
(https://merdekcoppergold.com/content/uploads/2018/12/MDKA_2018_Sustainability_Report.pdf)
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News (<https://mdk.hexfoundation.id/en/news/>)

(<https://merdekcoppergold.com/en/merdeka-group-environment-month/>)



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16 JUNE 2023

Merdeka Group Environment Month (<https://merdekacoppergold.com/en/merdeka-group-environment-month/>)

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8 MARCH 2023

Used Cardboard for Wetar Copper Mine Land Reclamation (<https://merdekacoppergold.com/en/used-cardboard-for-wetar-copper-mine-land-reclamation/>)

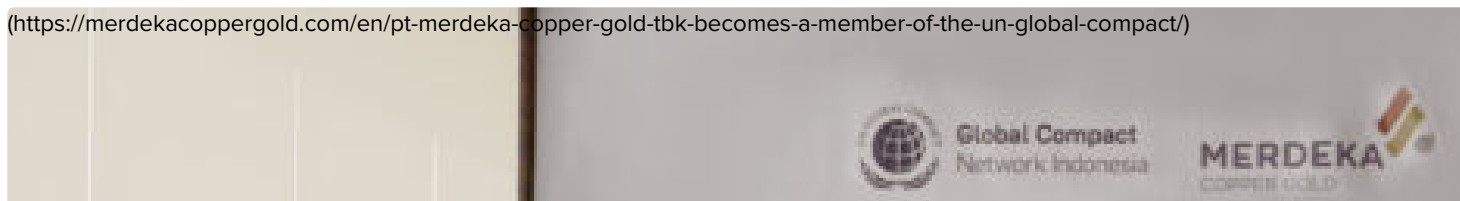
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3 MARCH 2023

Handover of Reforestation of BSI Compensation Land in Bondowoso (<https://merdekacoppergold.com/en/handover-of-reforestation-of-bsi-compensation-land-in-bondowoso/>)

(<https://merdekacoppergold.com/en/pt-merdeka-copper-gold-tbk-becomes-a-member-of-the-un-global-compact/>)



21 DECEMBER 2022

PT Merdeka Copper Gold Tbk Becomes a Member of the UN Global Compact (<https://merdekacoppergold.com/en/pt-merdeka-copper-gold-tbk-becomes-a-member-of-the-un-global-compact/>)

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PT Merdeka Copper Gold Tbk

Treasury Tower 67-68th Floor
District 8 SCBD Lot. 28
Jalan Jenderal Sudirman Kav. 52-53
South Jakarta 12190, Indonesia
Telephone: +62 21 39525580
Facsimile: +62 21 39525589

PT Merdeka Copper Gold Tbk

MDKA.JK

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10.00
0.32%

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