



# 2022 SUSTAINABILITY REPORT

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At Thackeray Mines & Minerals Inc., sustainability remains at the heart of our operations as we continue to expand and innovate in gold and silver mining. Our 2022 efforts reflect our dedication to environmental stewardship, community engagement, and ethical governance. This report highlights the progress we've made, the challenges we've faced, and the goals we've set for the future.

# Thackeray Mines & Minerals Inc.

”As we reflect on 2022, I am proud of the progress Thackeray Mines & Minerals has made in advancing our sustainability goals. From expanding our operations in Nova Scotia with the Catcha Lake Project to refining our environmental practices, we remain steadfast in our mission to mine responsibly. Sustainability is not just a responsibility - it’s a commitment to future generations and the communities we serve.”



**MR. ANTON WINDSOR**

Chief Operations Director

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In 2022, we deepened our collaboration with Indigenous communities near the Meadowbank and Meliadine projects, funding \$5 million in cultural preservation and education initiatives.

# 2022 HIGHLIGHTS

## Carbon Emission Reductions



We achieved a 12% reduction in greenhouse gas (GHG) emissions across all operations, driven by the integration of renewable energy systems at several sites.

## Site Rehabilitation



Over 300 hectares of land were rehabilitated, including efforts at the Meadowbank and Quartz Mountain projects, ensuring these ecosystems are restored for long-term use.

## Water Management



Advanced water recycling systems at the Catcha Lake Project allowed us to recycle 85% of water used in processing, minimizing water usage and protecting local aquatic ecosystems.

## Case Study: Catcha Lake Project

The Catcha Lake Project, launched in 2022, is a shining example of our commitment to sustainable mining. From utilizing water recycling systems to collaborating closely with local and Indigenous communities, this project has set a new benchmark for responsible operations in Nova Scotia.

## Our Vision for Sustainability

At Thackeray Mines & Minerals Inc., sustainability is not just an obligation - it is our responsibility to future generations. By aligning our operations with environmental, social, and governance (ESG) principles, we are setting a standard for ethical mining that balances growth with global impact.

# LOOKING AHEAD

## (2023 GOALS)

As we move forward, Thackeray Mines & Minerals Inc. is committed to building on the progress we've made in 2022. Our goals for the coming years focus on further reducing our environmental impact, fostering community development, and advancing innovation within the mining industry. Below, we've outlined our key initiatives and aspirations for 2023 and beyond:

### Achieving Carbon Neutrality

We are taking bold steps to develop and implement a comprehensive Carbon Neutrality Roadmap, aiming to achieve net-zero carbon emissions across all our operations by 2035. Key actions include:

1. Increasing the use of renewable energy at all sites, including solar, wind, and hybrid power systems.
2. Investing in carbon capture technologies to offset emissions from extraction and processing activities.
3. Phasing out the use of diesel-powered equipment and transitioning to electric vehicles and machinery.

### Expanding Land Rehabilitation Efforts

Our land rehabilitation program will scale significantly, with a target to restore an additional 500 hectares of land in 2023. Key activities include:

1. Reforestation projects in previously mined areas, prioritizing native plant species.
2. Restoration of natural watercourses and wetlands to promote biodiversity.
3. Developing partnerships with conservation organizations to protect endangered species near our sites.

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