

REGIONAL TAILINGS RECOVERY TECHNICAL REPORT

Regional Tailings Recovery Resource Portfolio

Preliminary Technical Overview

Executive Summary

This report presents preliminary laboratory analysis, dump assessments, and regional tailings recovery evaluations conducted within the surrounding artisanal mining region supporting the proposed centralized 200TPD Gold Recovery Processing Plant.

The evaluated dump material consists primarily of historical vat leached tailings accumulated by small-scale milling operations over several years.

Bottle roll testing and fire assay analysis were conducted to assess residual gold recovery potential and support technical evaluation of centralized Ball Mill and Carbon-in-Pulp (CIP) processing opportunities.

Regional Tailings Recovery Strategy

The project's regional recovery strategy focuses on:

- Securing historical tailings feedstock
- Partnering with milling centers
- Reprocessing historical dumps
- Maximizing gold recovery efficiency
- Expanding centralized processing infrastructure

Regional Milling Center Network

The broader target area contains more than 30 active milling centers located within an estimated 45km radius of the project site.

Multiple partnership discussions have already been conducted with dump owners and milling operators regarding future recovery agreements and processing collaboration.

Evaluated Tailings Dumps

Dump Name Estimated Material Estimated Gold Content

Hhlohlo	1,500 Tons	3.51kg Au
Nsingo	40,000 Tons	39.6kg Au
Mpofini	5,000 Tons	5.9kg Au
Zuma	900 Tons	2.68kg Au
Comfort	30,000 Tons	9.9kg Au

Combined Resource Overview

Estimated Total Material

Approximately 77,400 Tons

Estimated Combined Gold Content

Approximately 61.59kg of contained gold based on preliminary fire assay evaluations.

Tailings Recovery Assessment — Hhlohlo Dump

Location

Approximately 9km from the proposed processing site.

Laboratory Results

Test Method Gold Grade

Bottle Roll Test 0.68 g/t Au

Fire Assay 2.34 g/t Au

Estimated Resource

- Estimated Material: 1,500 Tons
- Estimated Gold Content: 3.51kg Au

Technical Interpretation

The variance between bottle roll and fire assay results suggests that a portion of the gold may remain locked within the material and not fully recoverable through conventional cyanide leaching alone.

This may indicate the presence of:

- Coarse gravity gold
- Quartz-associated gold
- Sulphide-hosted gold
- Refractory or oxidized gold material

Tailings Recovery Assessment — Nsingo Dump

Location

Approximately 12km from the proposed processing site.

Laboratory Results

Test Method Gold Grade

Bottle Roll Test 0.35 g/t Au

Fire Assay 0.99 g/t Au

Estimated Resource

- Estimated Material: 40,000 Tons
- Estimated Gold Content: 39.6kg Au

Technical Interpretation

The relationship between bottle roll and fire assay results suggests residual gold values may remain trapped within the material beyond conventional cyanide recovery.

Advanced recovery systems may provide additional extraction opportunities.

Tailings Recovery Assessment — Mpofini Dump

Location

Approximately 9km from the proposed processing site.

Laboratory Results

Test Method Gold Grade

Bottle Roll Test 0.09 g/t Au

Fire Assay 1.18 g/t Au

Estimated Resource

- Estimated Material: 5,000 Tons
- Estimated Gold Content: 5.9kg Au

Technical Interpretation

The identified variance between cyanide-soluble and total gold content may indicate potential for additional recovery through advanced processing systems.

Tailings Recovery Assessment — Zuma Dump

Location

Approximately 22km from the proposed processing site.

Laboratory Results

Test Method Gold Grade

Bottle Roll Test 0.31 g/t Au

Fire Assay 2.98 g/t Au

Estimated Resource

- Estimated Material: 900 Tons
- Estimated Gold Content: 2.68kg Au

Technical Interpretation

The significant variance between bottle roll and fire assay results suggests the possible presence of additional recoverable gold beyond conventional cyanide recovery methods.

Tailings Recovery Assessment — Comfort Dump

Location

Approximately 15km from the proposed processing site.

Laboratory Results

Test Method Gold Grade

Bottle Roll Test 0.04 g/t Au

Fire Assay 0.33 g/t Au

Estimated Resource

- Estimated Material: 30,000 Tons
- Estimated Gold Content: 9.9kg Au

Technical Interpretation

The evaluated material demonstrates characteristics commonly associated with historical artisanal tailings and may support further recovery evaluation through centralized processing infrastructure.

Preliminary Internal Economic Overview

Preliminary internal evaluations indicate that the combined dump portfolio may represent a potentially attractive long-term recovery opportunity, subject to:

- Metallurgical recovery performance
- Processing efficiency
- Operational conditions
- Plant throughput capacity
- Processing costs
- Gold market pricing

Detailed financial models and recovery assessments remain subject to ongoing technical evaluation and due diligence.

Advanced Recovery Opportunities

Potential recovery enhancement technologies under evaluation may include:

- Ultra-fine grinding
- Gravity concentration systems
- Flotation and leaching systems
- Concentrate smelting techniques

Strategic Importance

The evaluated dump portfolio forms part of a broader regional tailings recovery strategy designed to support long-term feedstock supply for the proposed centralized 200TPD Gold Recovery Processing Plant.

Ongoing dump sampling, laboratory testing, and partnership discussions continue across multiple milling centers within the surrounding artisanal mining sector.

Technical Disclaimer

All technical information, laboratory results, resource estimates, operational assumptions, and economic evaluations presented within this report are preliminary internal assessments based on currently available data and assumptions.

Actual recovery performance, project economics, metallurgical behavior, and operational outcomes may vary depending on processing configuration, recovery efficiency, operational conditions, and future technical studies.

Further due diligence, verification, and technical assessment remain ongoing.

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