EXPLORATION TARGETS MPIANALYSIS

Prioritizing Blocks for Maximum Impact

MPI Score: Understanding Mineralization Potential

A data-driven approach to prioritize exploration targets.

Analytical Signal (ASA)

Identifies boundaries and edges of geological bodies (Edge Detection).

Residual Gravity Anomaly

Measures variations in rock density (Density Contrast).

Euler Depth

Estimates the depth of the geological source (Source Depth).

Mineralization Potential Index (MPI)

A composite score quantifying the overall potential of exploration targets. Higher score = stronger signal + shallower depth = higher priority.

High Priority Exploration Target

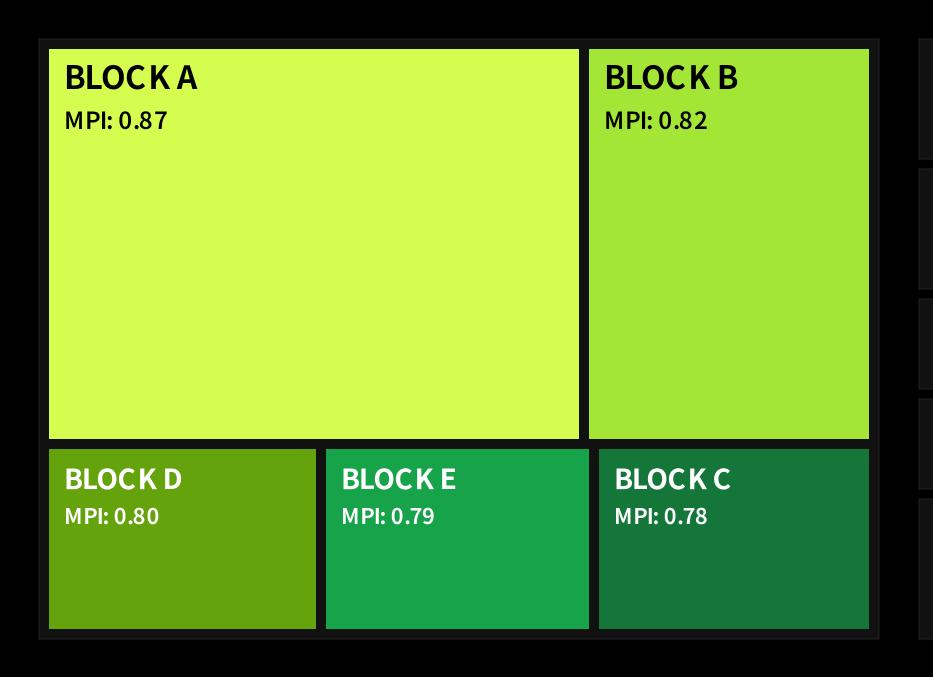
Strong geophysical signal at a shallow depth.

Key Takeaways

- MPI is a composite score that integrates key geophysical data.
- It combines ASA, Gravity, and Euler Depth for a robust analysis.
- A higher score indicates greater potential and higher priority.
- Provides a quantitative method for target prioritization.

Polymetallic Blocks: MPI Scores and Priority Ranking

Ranked by MPI score, reflecting signal strength and estimated depth.



1 BLOCK A (MPI 0.87)

Highest score: Strongest geophysical signal and shallowest depth. Top priority for exploration.

2. BLOCK B (MPI 0.82)

Ranked second due to its robust anomaly and identified cluster centroid.

3. BLOCK D (MPI 0.80)

High priority target with strong residual gravity.

4. BLOCK E (MPI 0.79)

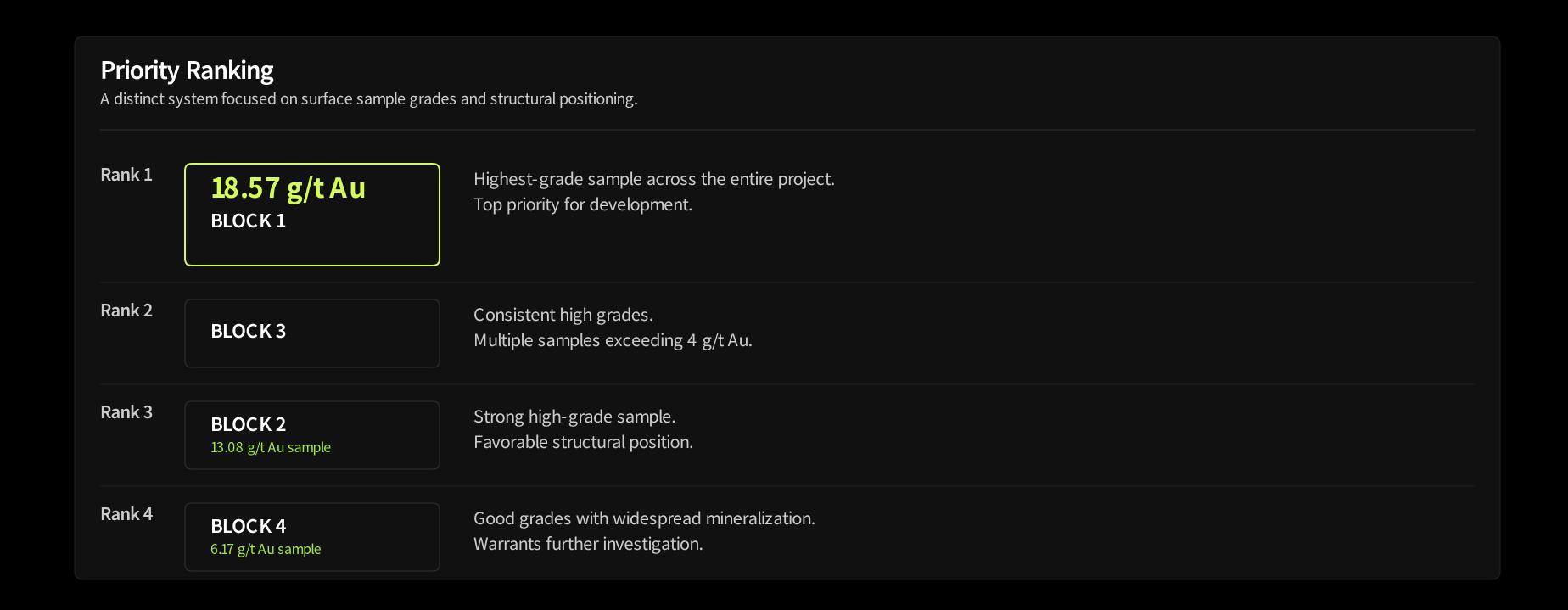
High priority due to good signal coherence.

5. BLOCK C (MPI 0.78)

Noted for having the largest area, suggesting excellent potential for bulk tonnage despite a slightly lower MPI score.

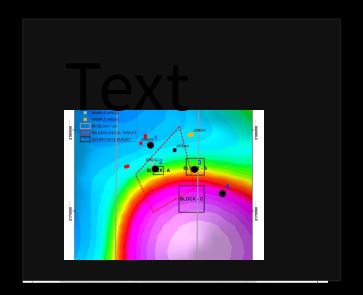
Gold Blocks: Priority Ranking

Based on Surface Grades and Structural Positioning



Tier 1 Targets

Immediate Drill Targets for Maximum Impact



Dual-Commodity Target

Polymetallic BLOCK A + Gold BLOCK 3

A prime dual-commodity opportunity, leveraging both high MPI and high-grade gold for exceptional potential.

MPI Score: 0.87

Coherent Anomaly Target

Polymetallic BLOCK B

Identified by its Euler cluster centroid location, indicating a strong and coherent geological anomaly.

MPI Score: 0.82

Tier 2: High-Priority Follow-Up Targets

Designated for significant resource expansion potential

Tier 2 Target Overview

High-priority follow-up targets with significant expansion potential.

18.57 g/t Au

Highest gold grade on the property

Polymetallic BLOCK D

0.80

Metal Potential Index (MPI)

Strong geophysical signatures Favorable depth characteristics

Polymetallic BLOCK E

0.79

Metal Potential Index (MPI)

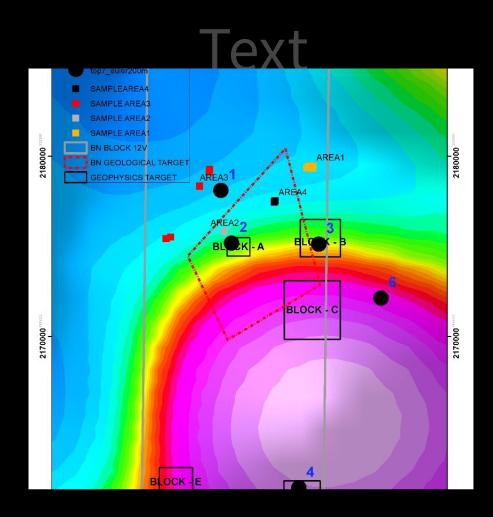
Strong geophysical signatures Favorable depth characteristics

Combined Target Priority Map

Highlighting Tier 2 locations

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Polymetallic BLOCK C

A key target distinguished by its large area, making it excellent for large-scale resource development. > 10 km² 0.78

AREA MPI

Gold BLOCK 2

Shows good gold grades. Requires additional structural definition.

Gold BLOCK 4

Shows good gold grades. Needs assessment for widespread mineralization.

Key Assessment Requirement

All Tier 3 targets, despite their high potential for bulk tonnage, require further structural definition to fully realize their long-term value and minimize exploration risk.

Combined target priority map highlighting Tier 3 locations.

Phase 1 Drilling Strategy

Initial Target Confirmation (Budget: \$18M - \$2.0M)

Hole 1

Target: Polymetallic BLOCK A Objective: Test highest MPI polymetallic potential.

Hole 2

Target: BLOCK A/3 Boundary Objective: Evaluate dual commodity potential (Poly+Gold).

Hole 3

Target: Polymetallic BLOCK B Objective: Confirm mineralization at cluster centroid.

Hole 4

Target: Gold BLOCK 1
Objective: Test highest-grade gold structure.

Phase 2 Drilling Strategy

Expansion and Definition with a \$3.0-4.0M Program Budget

Step-out Drilling

Expand known mineralization in successful Polymetallic Blocks A & B.

Initial Testing

Evaluate geophysical signatures in new Polymetallic Blocks D & E.

Scout Drilling

Assess bulk tonnage potential of the large-scale Polymetallic Block C.

Definition Drilling

Delineate structural controls and mineralization for key gold targets.

Gold Block 2

Focus on refining the primary vein system.

Gold Block 3

Investigate mineralization at structural intersections.

Gold Block 4

Confirm the grade and continuity along strike.

Investment Prioritization: A Data-Driven Roadmap

MPI-based ranking system for systematic exploration and capital allocation.

Tier 1: Low Risk

Highest priority targets with strong supporting data.

Target Blocks:

- BLOCK A + 3 (Dual)
- BLOCK B (Polymetallic)

Tier 2: Medium Risk

Warrants high-priority follow-up and further investigation.

Target Blocks:

- Gold BLOCK 1
- Polymetallic BLOCKS D, E

Tier 3: Medium-High Risk

Long-term focus on potential for large-scale, bulk tonnage.

Target Blocks:

- Polymetallic BLOCK C
- Gold BLOCKS 2, 4

This structured approach ensures resources are directed towards targets with the highest potential for discovery and economic viability.