



# MINERAL VECTOR

Applied geology for technical decisions.

Geological intelligence and technical support for industrial mineral exploration, evaluation, and operations.



# The Strategic Hub for LATAM Operations

Mineral Vector is a consultative geological firm focused on industrial minerals. Operating from our strategic base in Monterrey, Mexico, we deploy technical expertise across Latin America. We support asset owners and consulting firms with clean, defensible geological data designed to drive high-stakes project decisions.



## Technical Rigor

Defensible data and structured workflows.



## Operational Agility

Rapid deployment across LATAM.



## Decision-Focused

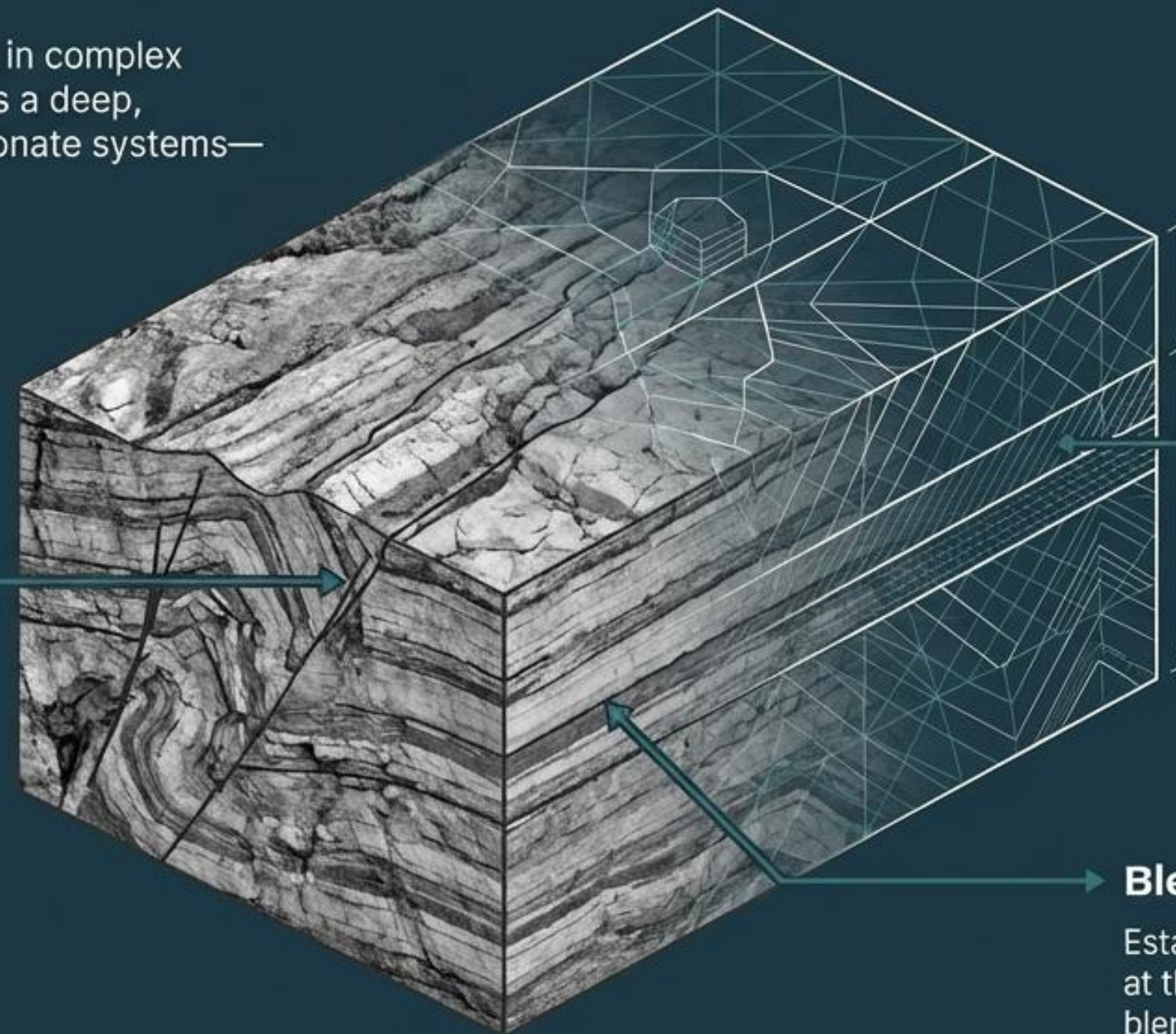
Outputs designed for executive and operational clarity.

# Distinctive Edge: Mastery of Carbonate Systems

Generic geological approaches fail in complex industrial minerals. Our core DNA is a deep, specialized understanding of carbonate systems—limestone, dolomite, and marble.

## Structural Continuity

Mapping complex faulting and folding to ensure reliable volume estimations.



## Chemical Quality

Tracking lithological variations to predict chemical grades and ensure strict plant-feed compliance.

## Blending Criteria

Establishing robust geological controls at the quarry face to optimize material blending and operational sequencing.

# Engagement Models: How We Partner



## Asset Owners & Operators (Direct Clients)

### Focus:

Strategic guidance, end-to-end evaluation, and operational continuity.

### Use Case:

When you need to resolve a specific technical hurdle, structure a greenfield exploration program, or optimize an active quarry operation.

### Delivery:

Comprehensive technical reports, conceptual mine designs, and direct operational support.



## Specialized Consultancies (B2B Partnerships)

### Focus:

Modular subcontracting and tactical field/cabinet reinforcement.

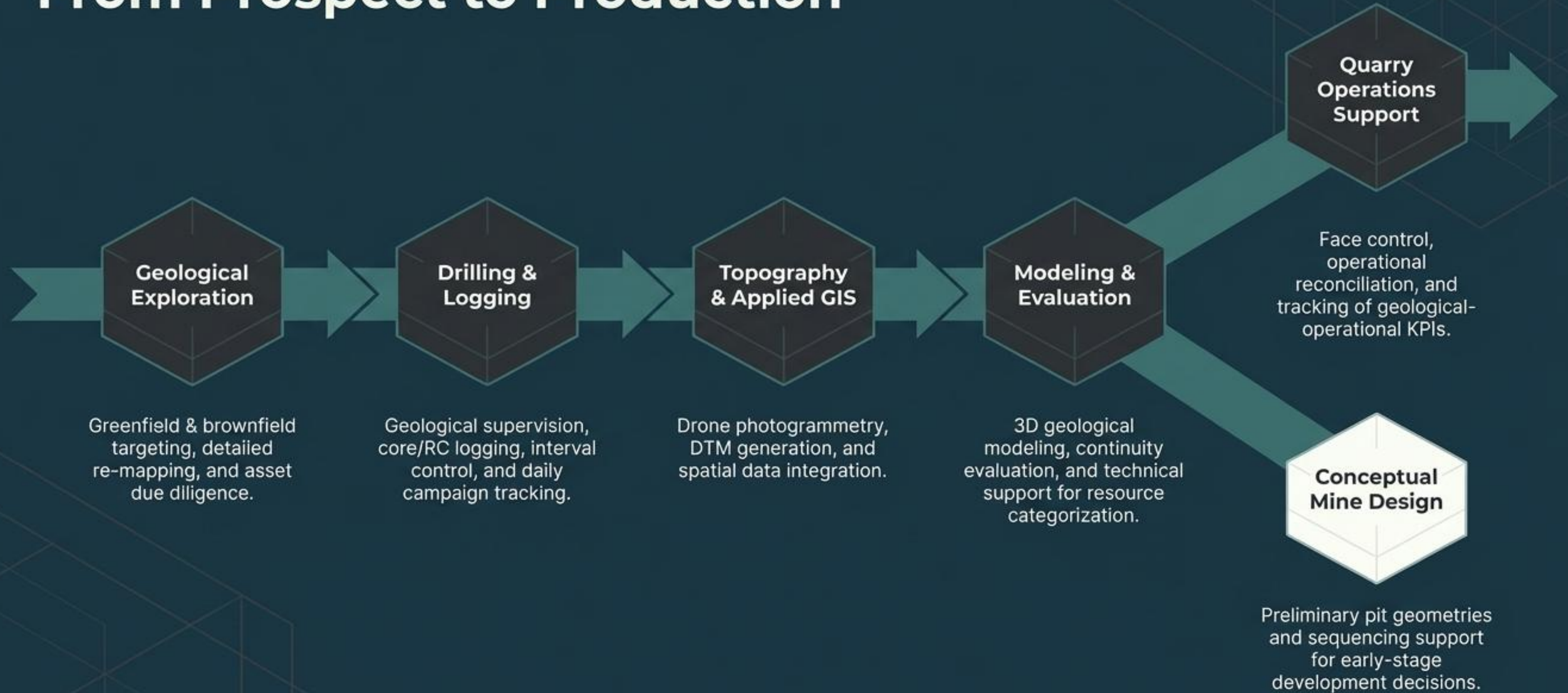
### Use Case:

When you need specialized geological capacity, QA/QC structuring, or specific technical packages to integrate into a larger project scope.

### Delivery:

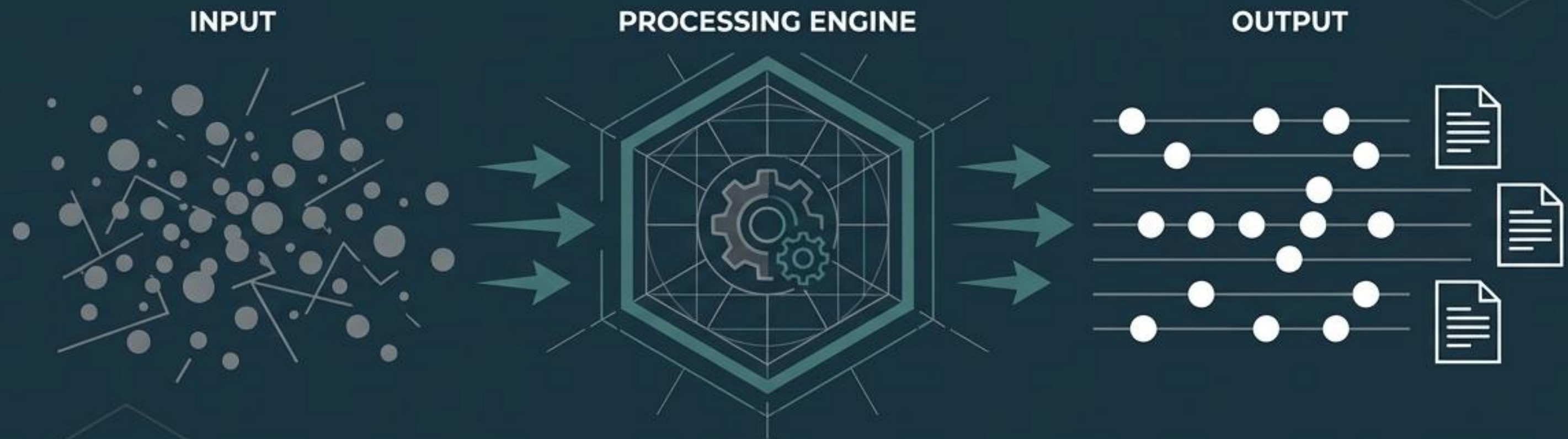
White-labeled deliverables, structured databases, flexible field logging, and seamless team integration.

# The Service Ecosystem: From Prospect to Production



# The Transversal Engine: Data, QA/QC, & Applied AI

We don't just collect data; we structure it. Our workflows integrate quality control and targeted Artificial Intelligence to ensure traceability, speed, and absolute consistency. Zero smoke, pure operational muscle.



## Geological Databases

Structuring, cleaning, and validating historical and active drilling data.

## Rigorous QA/QC

Implementing traceability protocols from core sampling to final database integration.

## AI-Assisted Processing

Automating repetitive reporting, standardizing data formats, and assisting in technical analysis to accelerate turnaround times.

# Why Talk to Mineral Vector?

**01.**

## **Deep Carbonate Expertise.**

We bypass generic geology to offer specialized mastery over limestone, dolomite, and industrial minerals.

**02.**

## **Lean & Agile Execution.**

No bloated corporate overhead. You pay for pure technical capacity and rapid deployment across LATAM.

**03.**

## **Focused on Decisions, Not Just Data.**

Every topographic map, log, and 3D model we deliver is designed to answer a specific operational or commercial question.

**04.**

## **Defensible Deliverables.**

Through rigorous QA/QC and AI-assisted structuring, we provide clean, traceable data that holds up to extreme technical scrutiny.





# Translate Raw Earth into Precise Decisions.

Let's discuss how we can support your next exploration campaign, resource evaluation, or quarry operation.

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