

Mississippi Valley-Type Deposits

KAP Critical Minerals Project

Mackenzie Mountains, Northwest Territories

ZINC | GALLIUM | GERMANIUM



As Integral Metals' Vice-President of Exploration and NI 43-101 Qualified Person, I have helped advance KAP from property establishment and land-use permitting through historical-data integration, soil geochemistry, drilling, QA/QC and geological model refinement.

PROJECT CONTEXT

KAP is a 7,500-hectare zinc-led critical minerals project within carbonate rocks of the Landry Formation. The system is interpreted as Mississippi Valley-type mineralization, with possible carbonate-replacement influence. Historical zinc showings are now being evaluated through modern compilation, geochemistry and drilling.

MY ROLE AND CONTRIBUTION

- Helped establish the property through six mineral claims staked in February 2024.
- Led land-use permitting and early community and regulatory coordination.
- Integrated historical drilling, gravity, soil and geological data into a modern targeting framework.
- Oversaw soil and drill-program planning, QA/QC and public technical disclosure.
- Reviewed laboratory results, analytical controls and reported mineralized intervals as Qualified Person.
- Used new results to refine mineralized zones and guide systematic follow-up drilling.

TECHNICAL CAPABILITIES DEMONSTRATED

Tenure & permitting

Community engagement

Historical data integration

Soil geochemistry

Drill program design

QA/QC & QP oversight

Geological modelling

Exploration strategy

HOW THE PROJECT ADVANCED

2024

Foundation

Claims, Type A land-use permit and historical-data compilation.

2025

Targeting

2,164 soil samples supported formal anomaly ranking and drill targeting.

2025

Validation

Seven modern holes totalling 843 m confirmed the mineralized system.

RESULT

Expansion

The North Zone was extended approximately 240 m north-northwest.

SELECTED PUBLIC RESULTS

28.26% Zn

362 ppm Ga | 473 ppm Ge
over 3.45 m apparent thickness

8.28% Zn

61 ppm Ga | 80 ppm Ge
over 16.15 m apparent thickness