



FIREWEED  
METALS

# Gayna Project

## NEW MODEL FOR ZINC DISCOVERY



### 2022 – 2023 Activities

In 2022, Fireweed staked a ~128 km<sup>2</sup> area encompassing all historical showings and anomalies. Ground gravity, airborne LiDAR and orthophoto surveys led to several gravity-high anomalies located over the inferred position of carbonate rocks along reef-margins.

Collected rock samples have high zinc, silver, and lead concentrations, along with elevated concentrations of gallium and germanium, illustrating the potential for an undiscovered source(s) of high-grade massive sulphides along the margins of the reef areas.

### Location

The Gayna Project (Northwest Territories), approximately 180 km west of Norman Wells (NWT) and 180 km north of Fireweed's Macpass Project (Yukon), is located within the Sahtu Settlement Area, the Gwich'in Settlement Area and the asserted territory of the First Nation of Na-Cho Nyäk Dun.

### History

Informed by prospecting and soil geochemistry, Rio Tinto drilled over 28,000 m in the 1970s, discovering lead and zinc sulphides.



## Future Exploration Plans

Fireweed proposes to test a new geological concept for Gayna by undertaking a small drill program. Drilling will verify if high-grade massive sulphide zones exist near the margins of ancient carbonate reefs. Fireweed plans to engage with Indigenous groups and government entities and apply for activity-enabling permits (e.g., Type A Land Use Permit for drilling).

Exploration activities proposed over approximately six weeks:



Example: timber pad and small drill rig



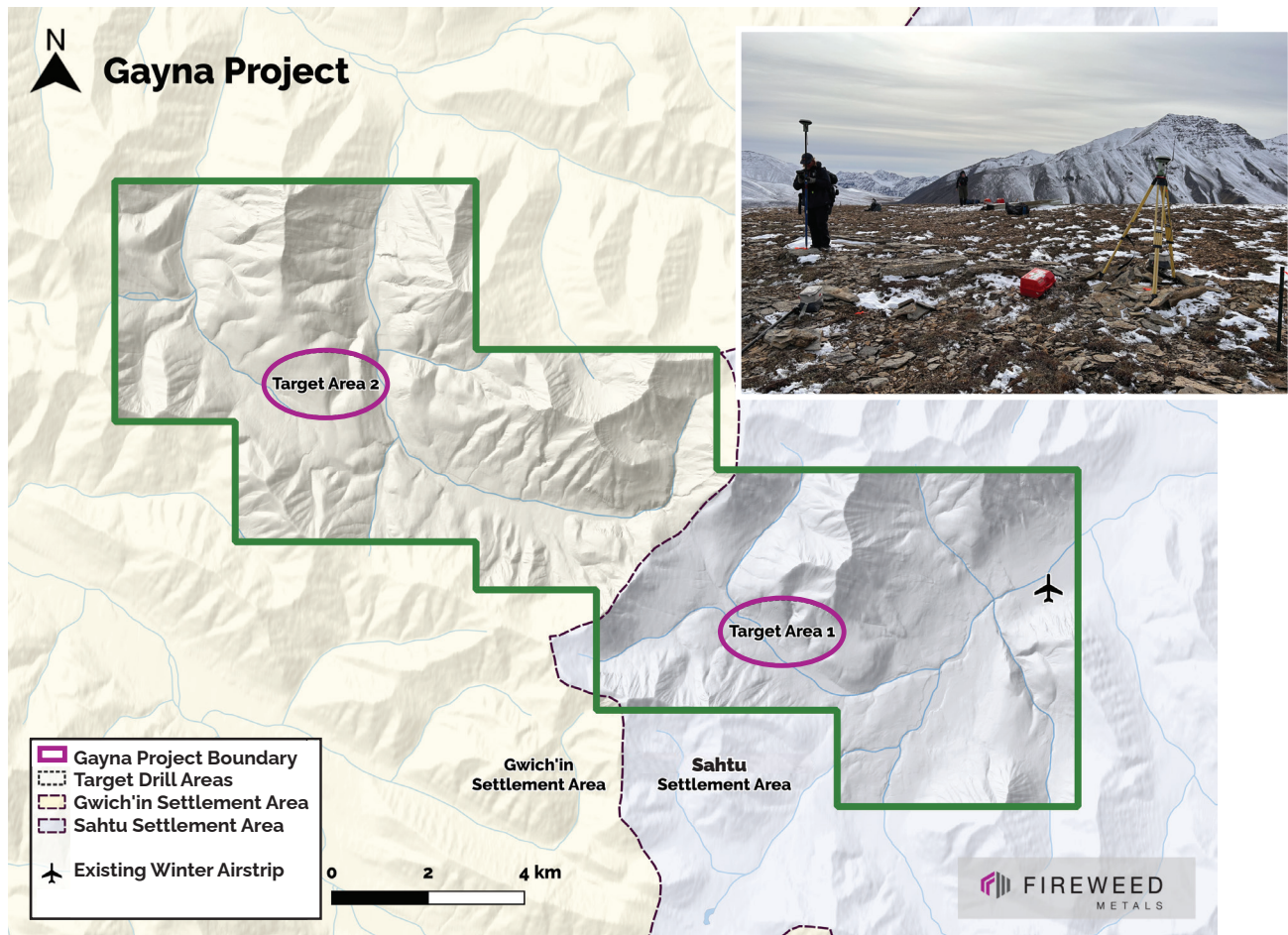
## Drilling-related activities

- Mobilize a drill rig to the area by plane utilizing the existing winter-season airstrip
- Crews will be based from a nearby existing lodge or temporary 25-person tent camp
- Construction of temporary timber drill pads
- Drill approximately 2,000 to 3,000 m (10–15 holes) in two main areas
- Use of water to support drilling, and settling of fines in temporary sumps
- Decommissioning of all infrastructure at the end of the program

## Surface exploration activities

- Prospecting and soil sampling around known anomalies
- Airborne and ground-based gravity surveys

Fireweed will conduct its proposed exploration program sustainably in accordance with all approvals.



Technical information in this document has been approved by Fireweed's VP Geology, Dr. Jack Milton, P.Geo. (BC), a 'Qualified Person' as defined under Canadian National Instrument 43-101.