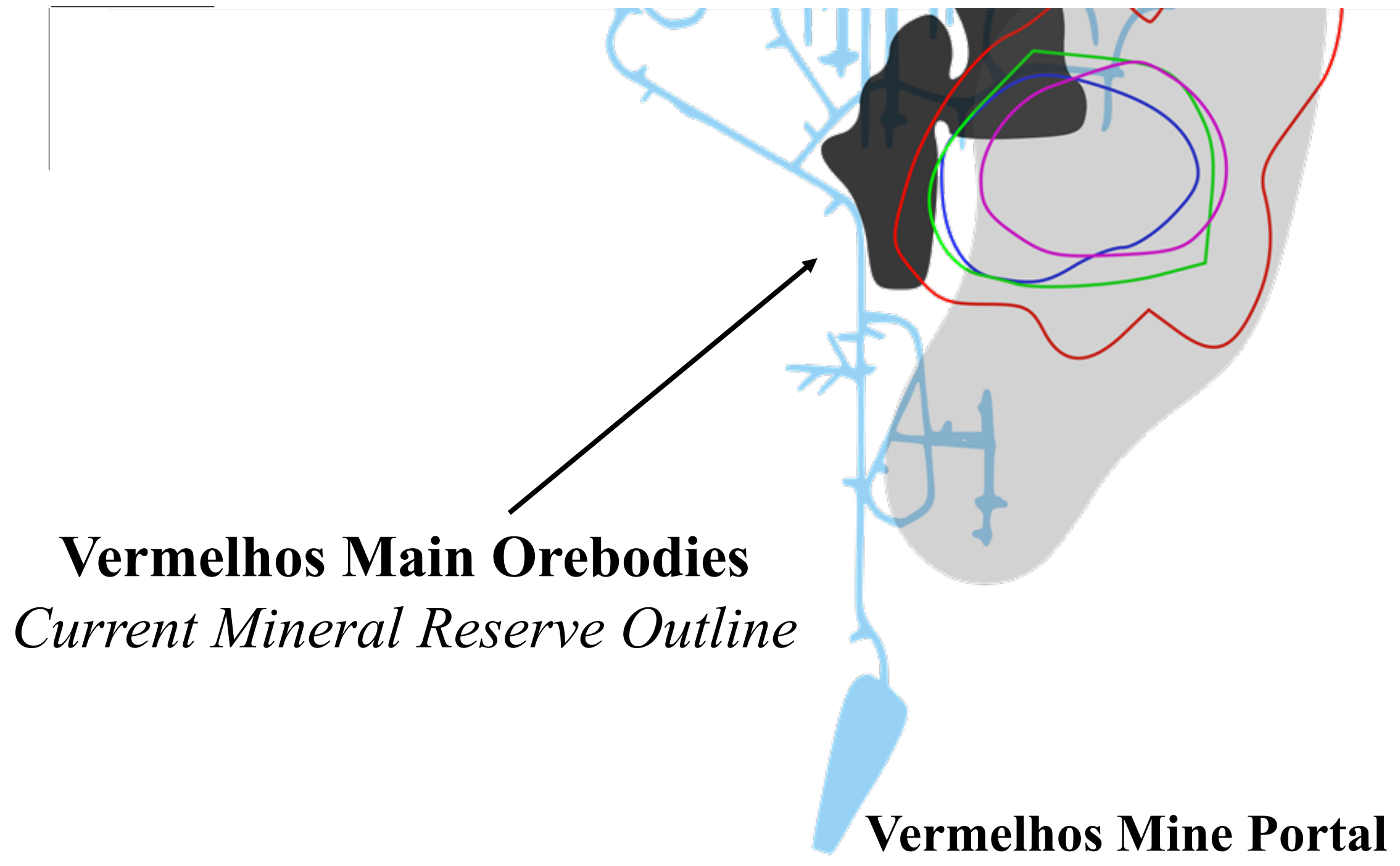


Figure 2 - Siriema Plan Map

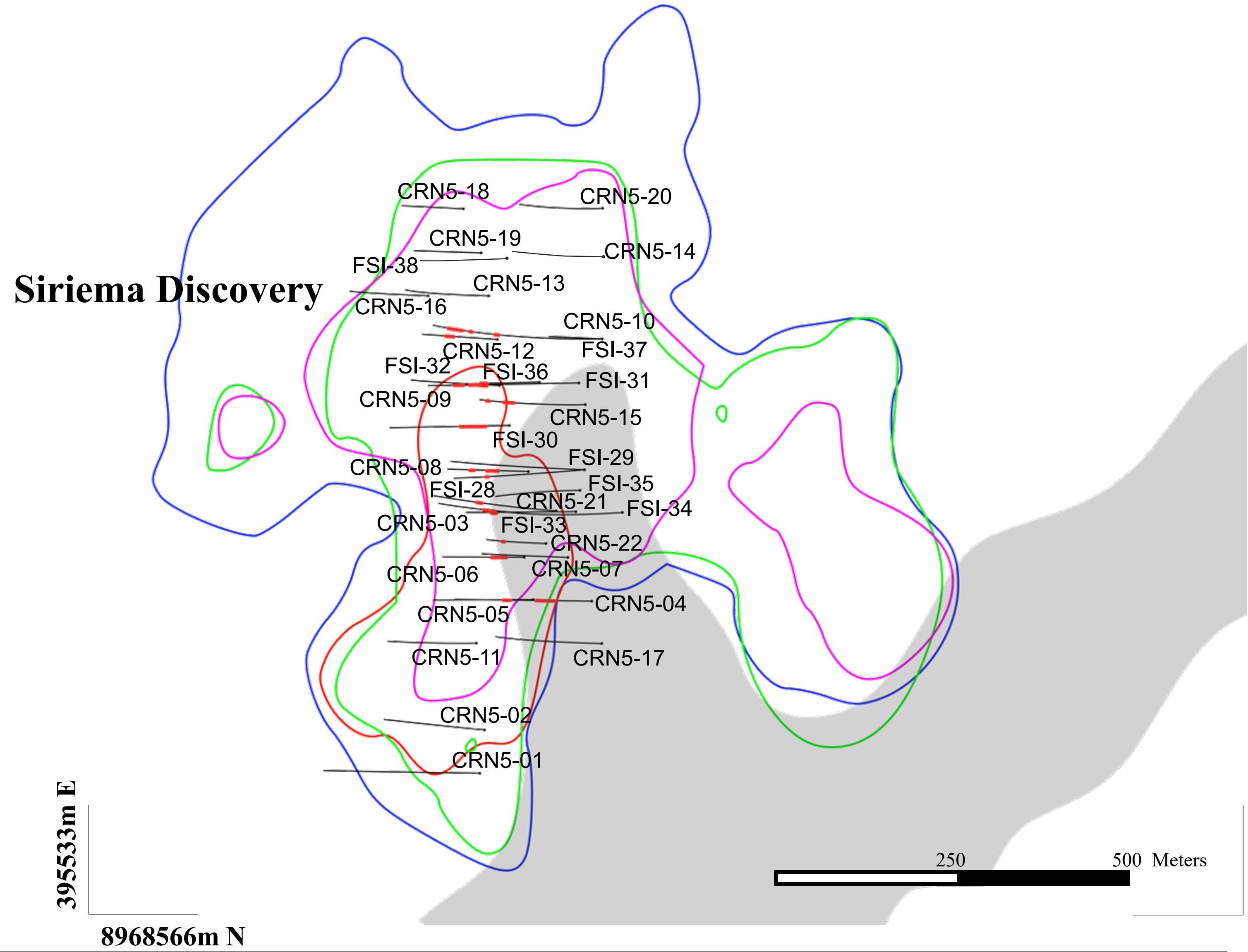
8970800m N

397250m E



Vermelhos Main Orebodies
Current Mineral Reserve Outline

Vermelhos Mine Portal



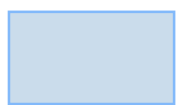

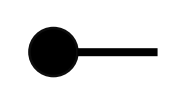






Siriema Discovery

395533m E

8968566m N

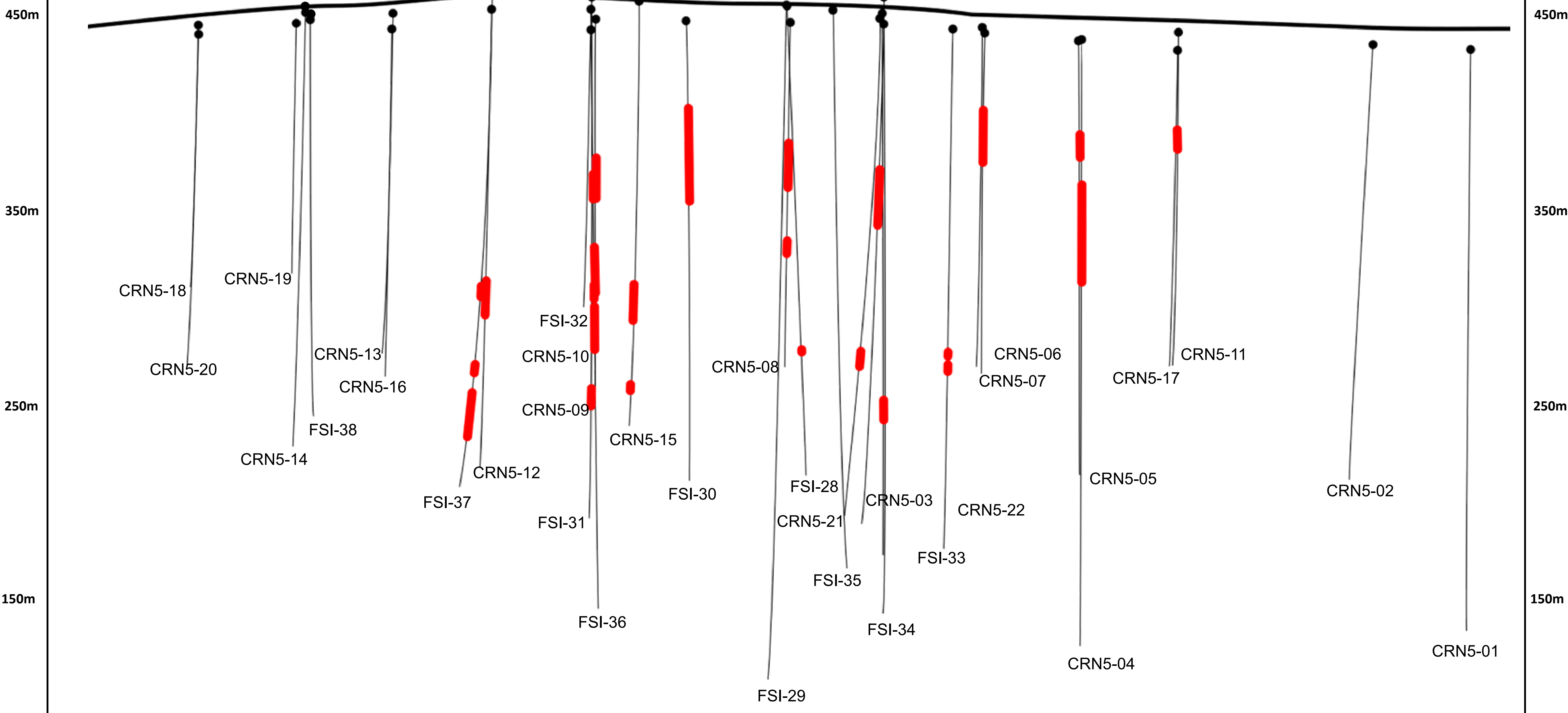
250 500 Meters

LEGEND		Geophysical & Soil Geochemistry Anomalies	
	Surface Projection of Current Mineral Reserve		Ground Gravity <i>Inverted density anomaly above 0.06 gram / cubic centimeter</i>
	Completed Development		Copper above 90 th percentile
	Siriema Exploration, 2019		Nickel above 90 th percentile
	Siriema Cu Intercepts, 2019		Cobalt above 90 th percentile
			Chrome above 90 th percentile

Special Note: Geophysical and soil geochemistry anomalies shown to demonstrate future area of exploration within the Vermelhos District. The projection is based on data compilation work which includes review of geological controls, structural analysis and copper mineralization identified during the Company's technical programs. The interpretation and boundary limits do not imply continuity of mineralization, or actual thickness of mineralization that has yet to be defined. For additional scientific information related to the Vermelhos Mine, please refer to the Company's Vale do Curaçá Property Technical Report dated October 17, 2018.

Figure 3

Siriema, North-South Long Section



LEGEND

- Siriema Exploration, 2019
- Siriema Cu Intercepts, 2019

100 200 Meters