Hunting intrusion-hosted Cu-Ni-PGE in a newly-defined greenstone belt

Youanmi Terrane, Yilgarn Craton

John Simmonds

Technical Adviser, Geology

NIMY RESOURCES

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An ASX junior

Company	Nimy Resources (ASX:NIM)	
Market Cap	$19.1 M	11 June 2026
Project	Mons	>3,000 km^2
Mineral systems:	**Cu-Ni-PGE**	**Intrusion hosted**
	Au	Shear-zone related, IHLS
	Cu-Zn-(Au)	VHMS
	Gallium	VHMS related?

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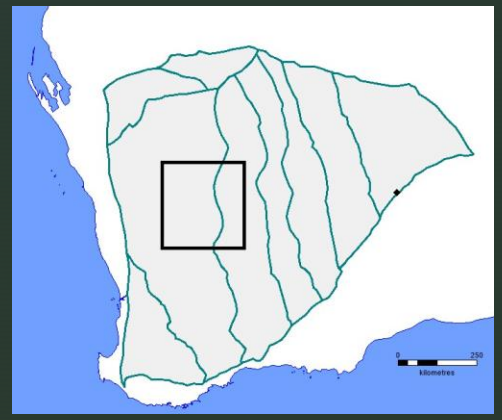
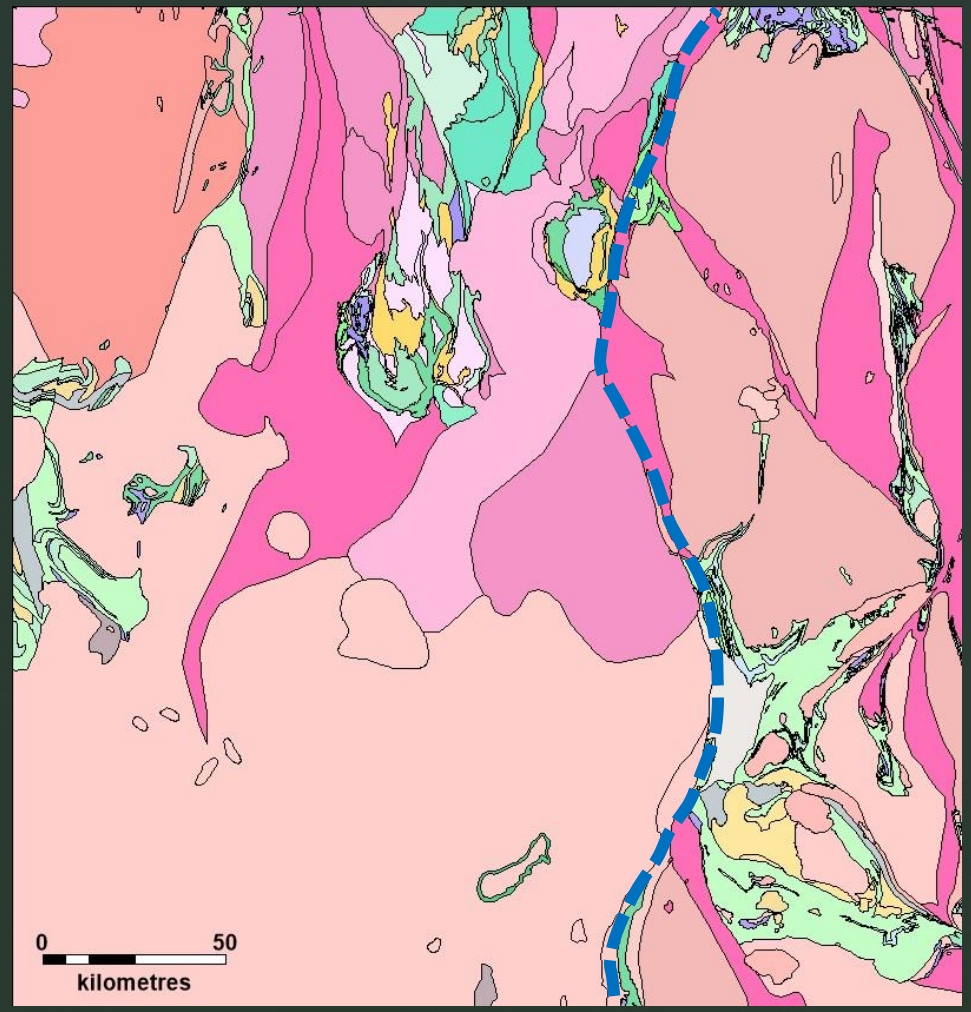
Acknowledgements

- Nimy Resource team
- Stefano Caruso & team at CSIRO: Nickel mineral indicator study
- Anicia Henne & team at CSIRO: Regolith landscape study

Central Youanmi Terrane: GSWA 0.5M geology (2023)

- Greenstones (and M-UM intrusions)
  - NW: (3.0-2.9), 2.81-2.8, 2.8-2.735, 2.735-2.71 Ga
  - SE: 3.0-2.9, 2.73 Ga
- Post-orogenic granites

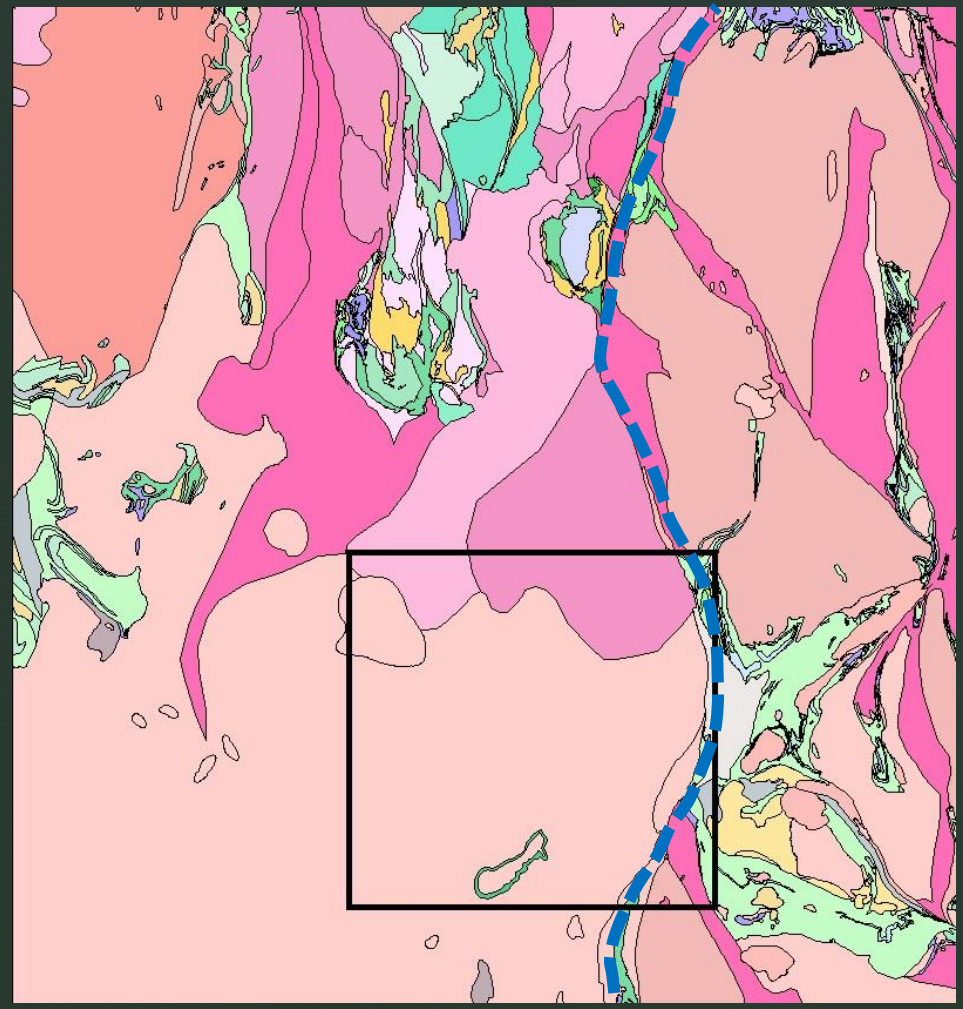




Flat ….. complex transported regolith …. difficult!

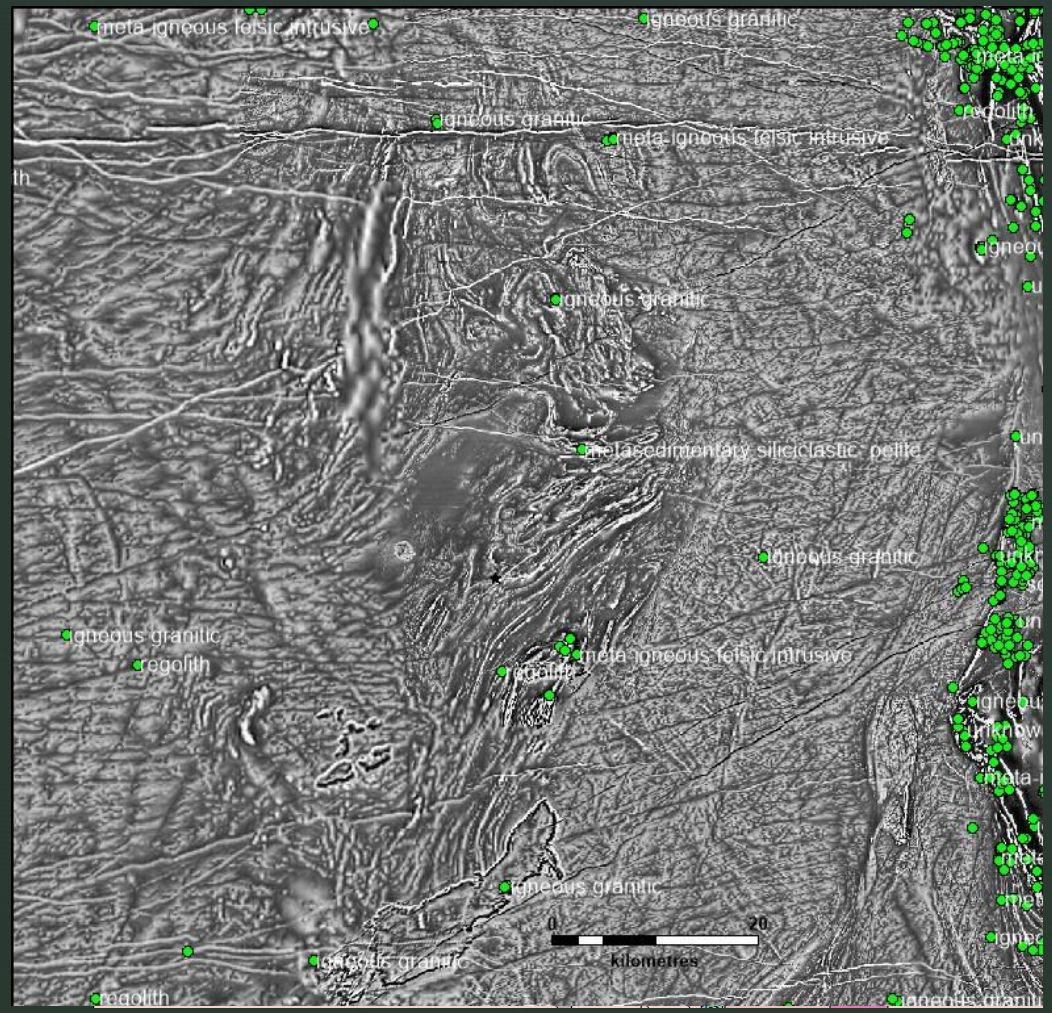
Mons project

- Dominated by:
  - post-orogenic granites;
  - Proterozoic dykes & sill complexes (multiple ages)



Regional Amag: 200-400mm line spacing

- Clear evidence of greenstones
- Almost nil ground observations

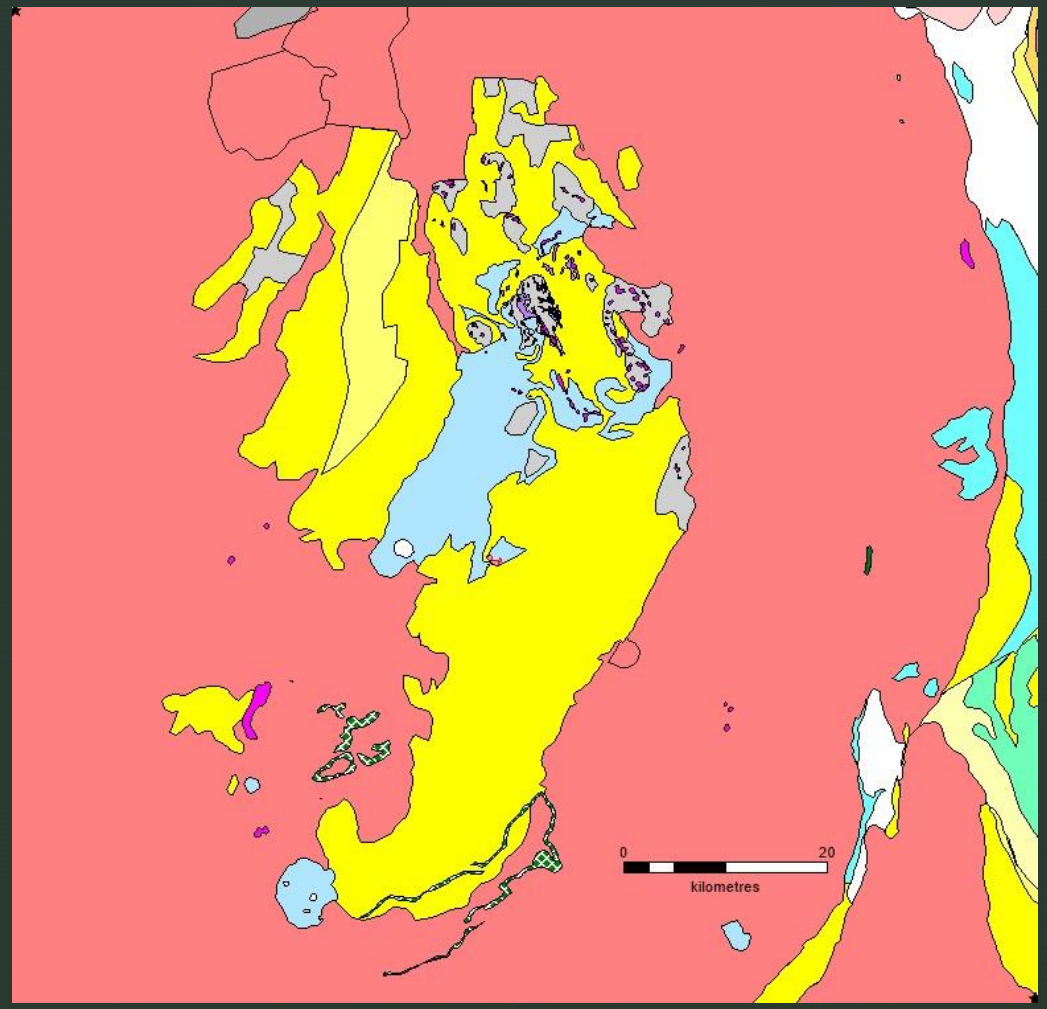


Preliminary interpretation - May 2026

- Sequence 1 greenstones 3.0-2.9 Ga?
- Gneiss - migmatite <2.9->2.75 Ga *
  - Deformation, amphibolite facies metamorphism

Unconformity

- Sequence 2 greenstones ~2.7 Ga
- Mafic-ultramafic intrusions: <2.9 - <2.7 Ga *
- Felsic intrusions: 2.7 Ga? *
- Post-orogenic granites: 2.71-2.65 Ga



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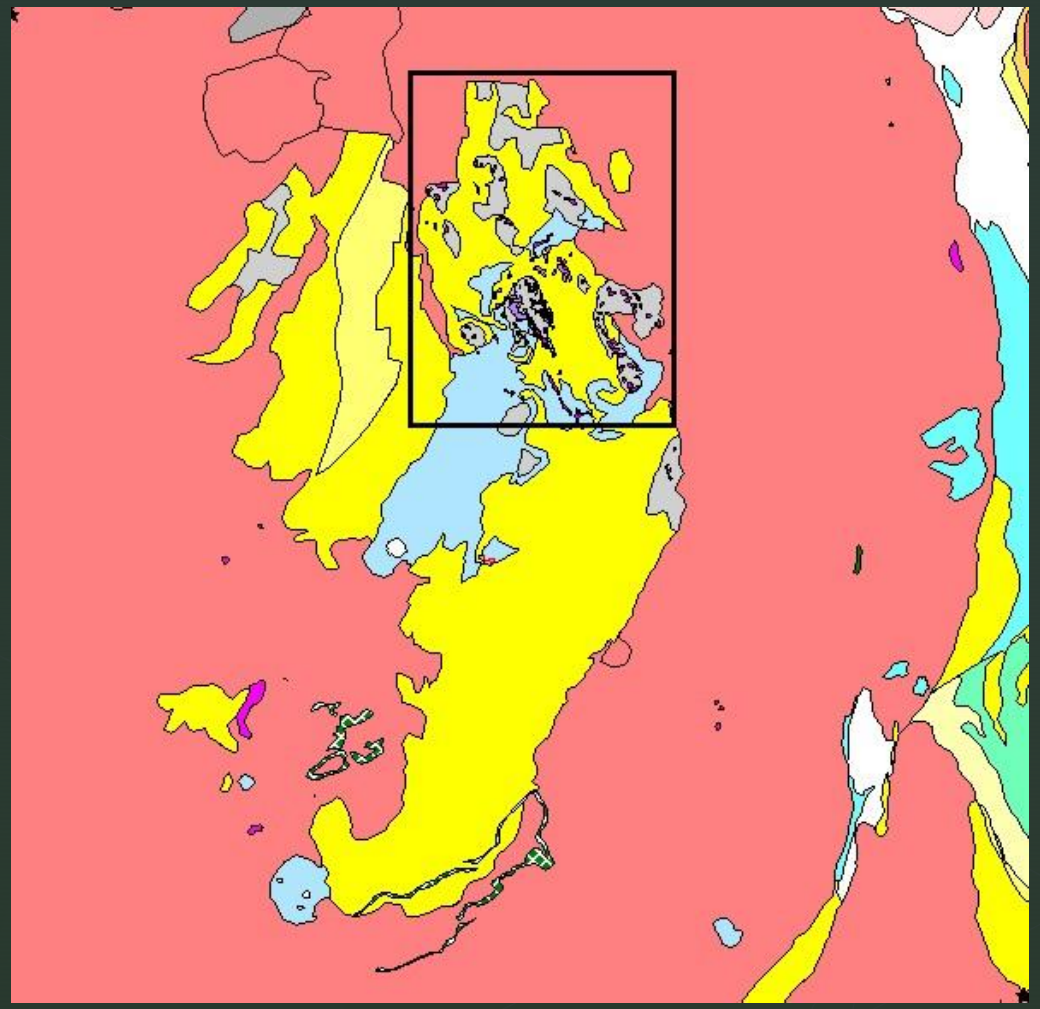
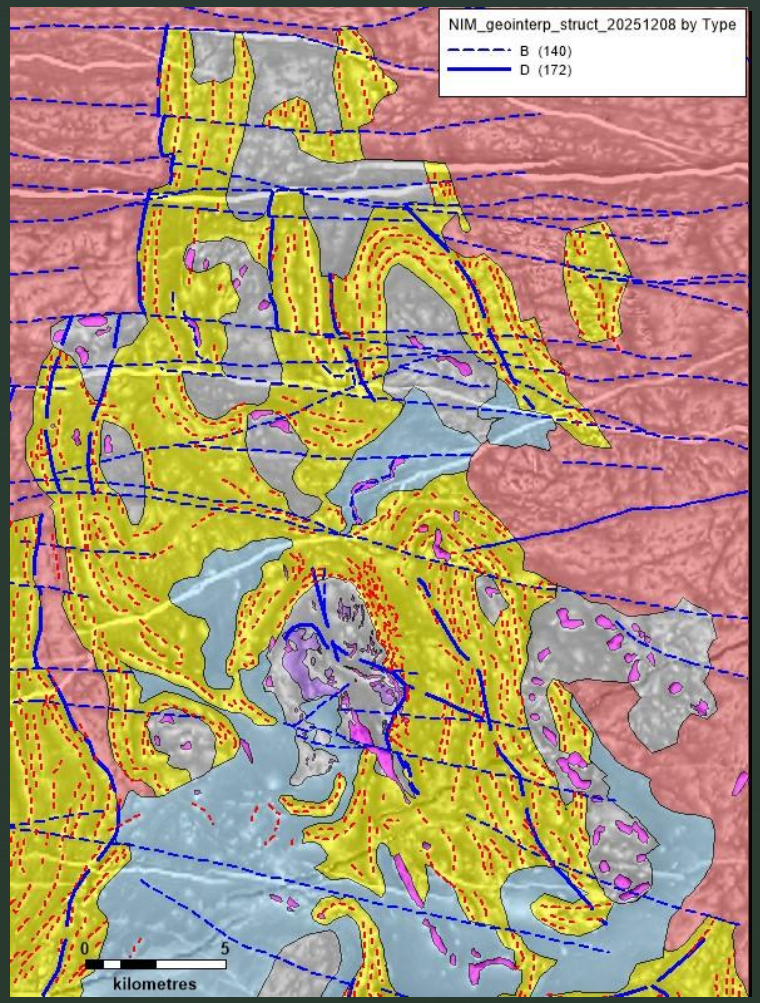
Domes area location



Domes area

- Mag-gravity anomalies interpreted as sets of mafic-ultramafic intrusive complexes, aligned on 330
- Hosted by Sequence 1 greenstones, gneiss-migmatite & probably Sequence 2 greenstones



Masson Dome location

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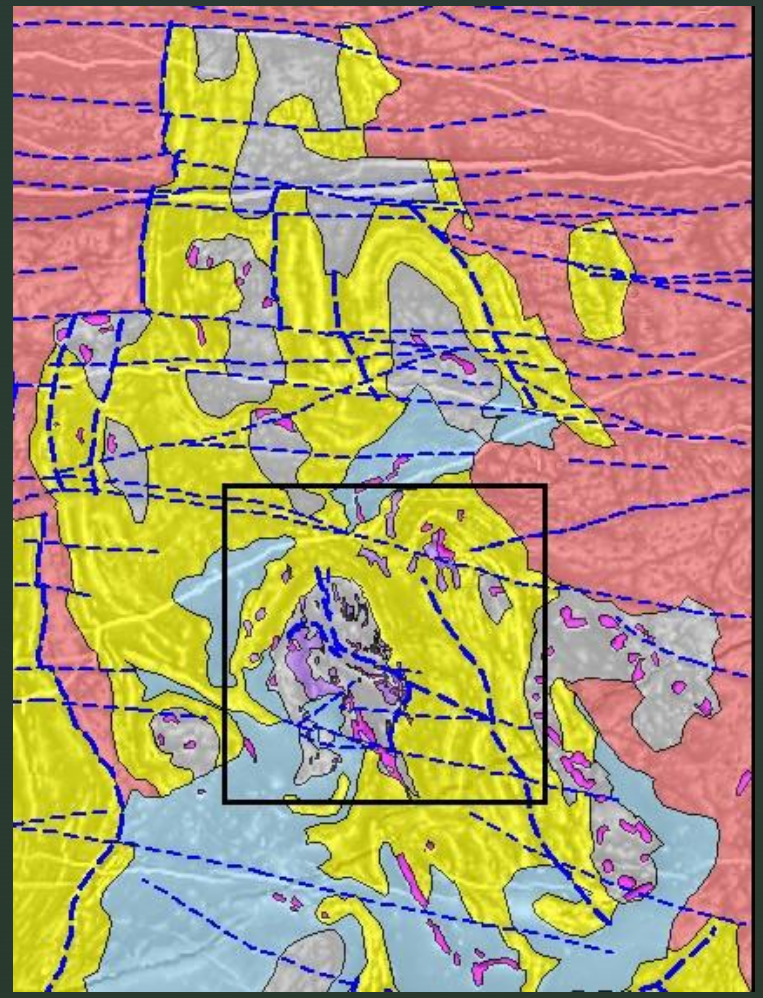
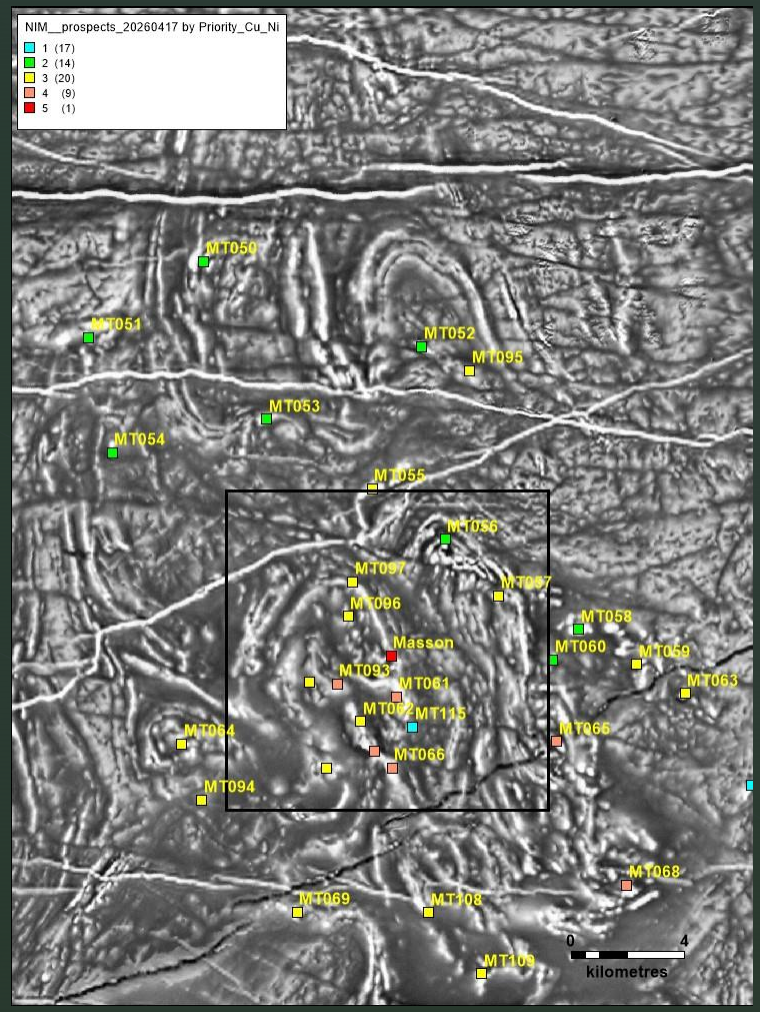


Domes area: regional TMI1vdrtp_over tdr

- 13 doubly-plunging dome-keel structures
- Current focus: Masson Dome
- Cu-Ni-PGE targets by current exploration priority



Domes area (2026)

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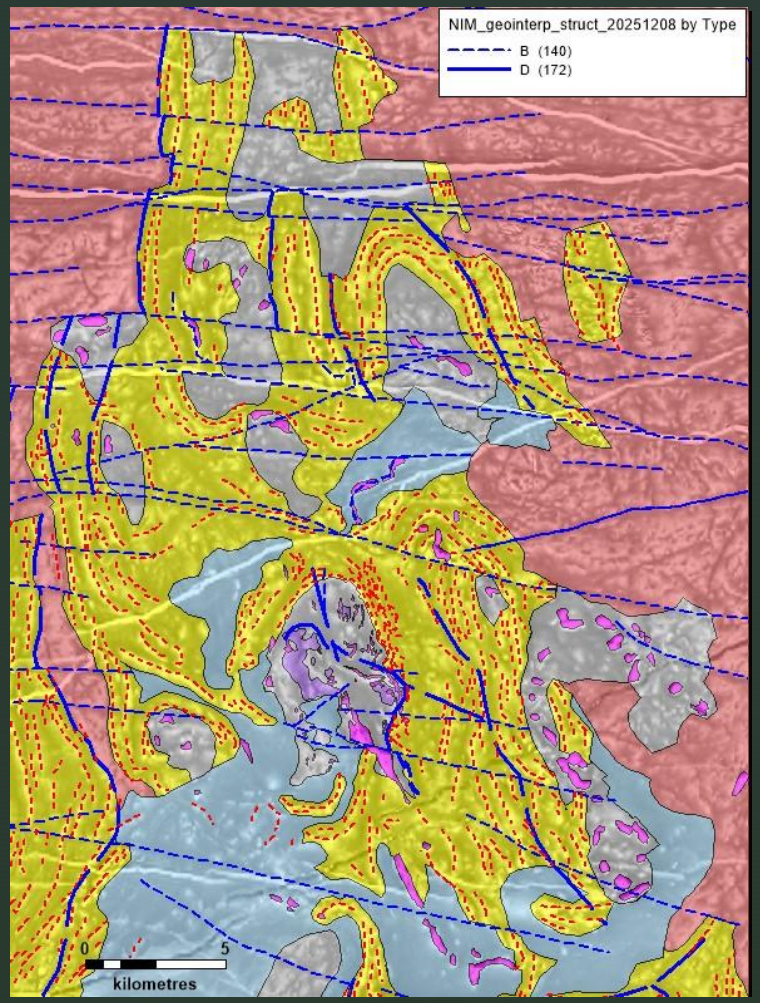
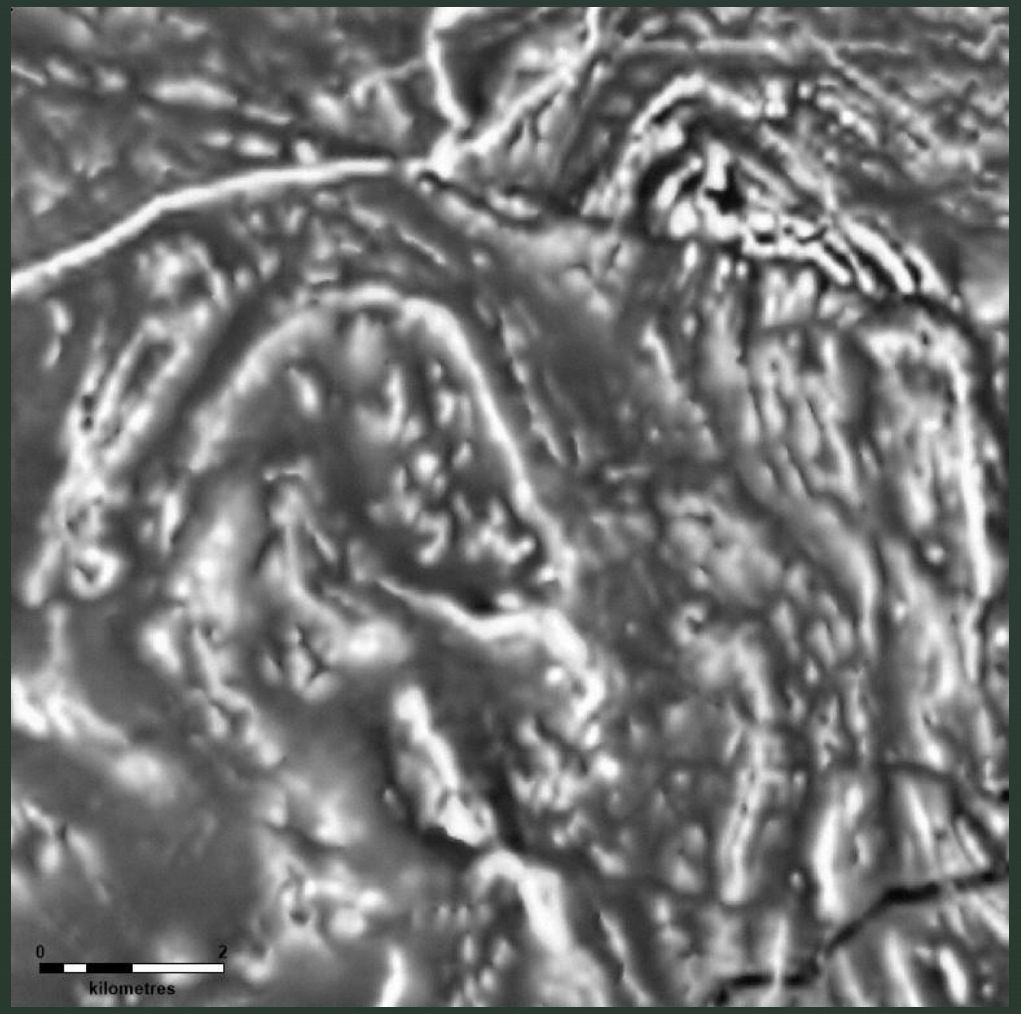
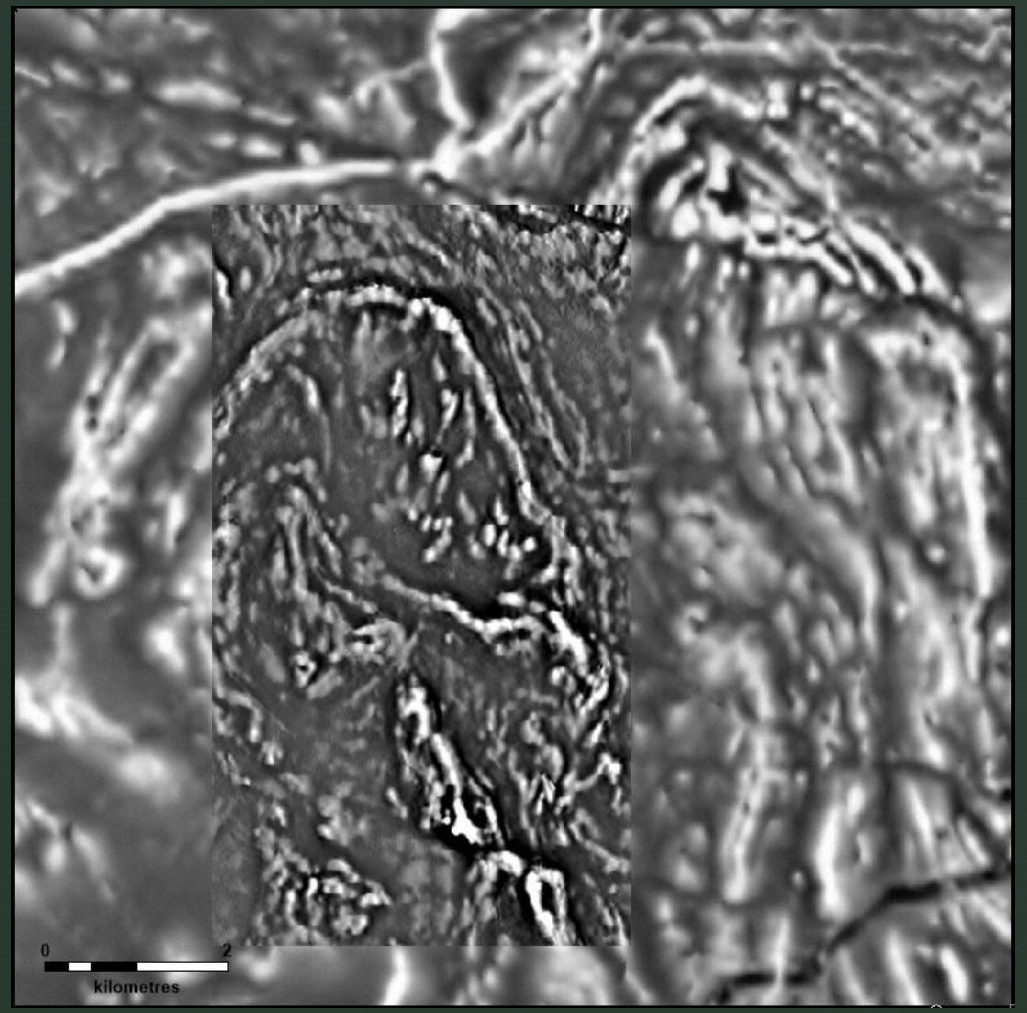


Masson Dome: 200-400m regional Amag



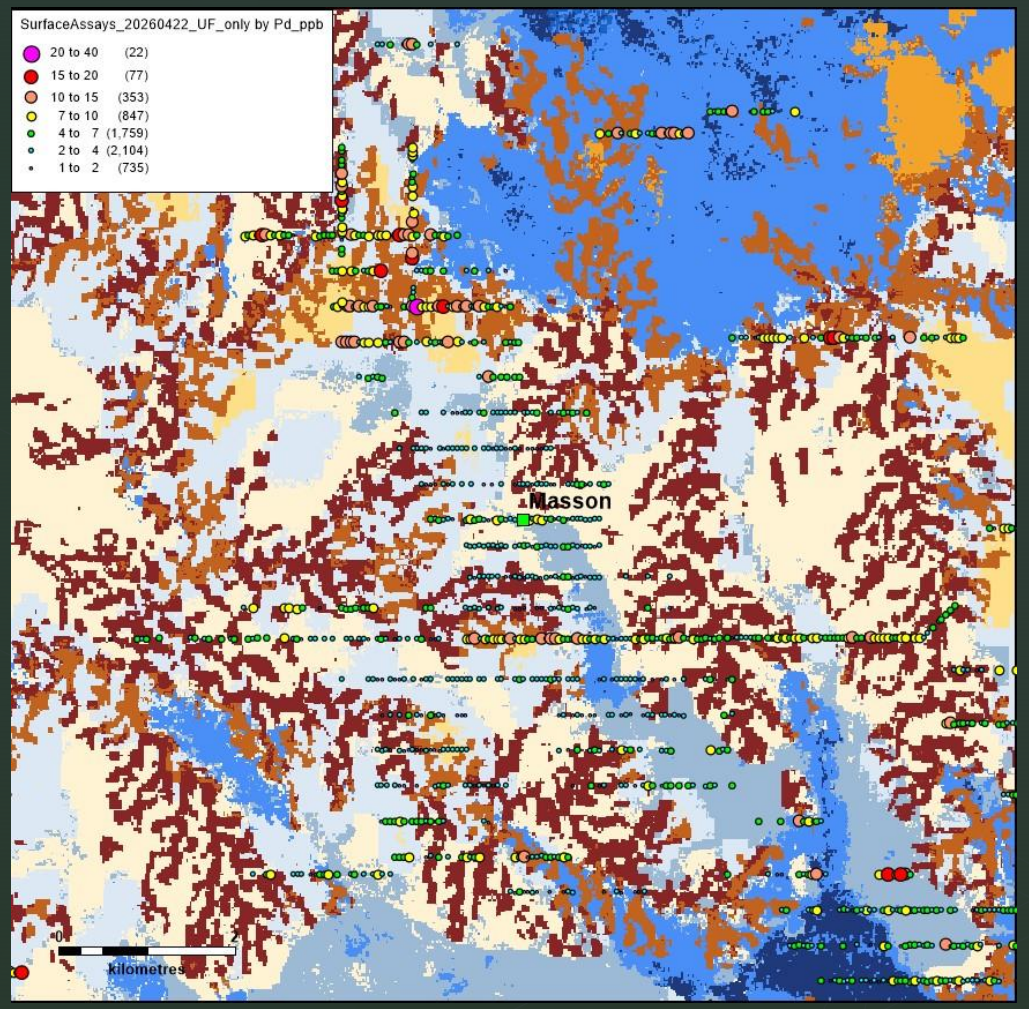
Masson Dome: regional Amag + 25m Amag (tmirtp_2vdagc)

- Complex magnetic anomalies, discordant to greenstone magneto-stratigraphy
- Magnetic anomalies after interpreted OL-rich cumulates
- Hints of cumulate layering

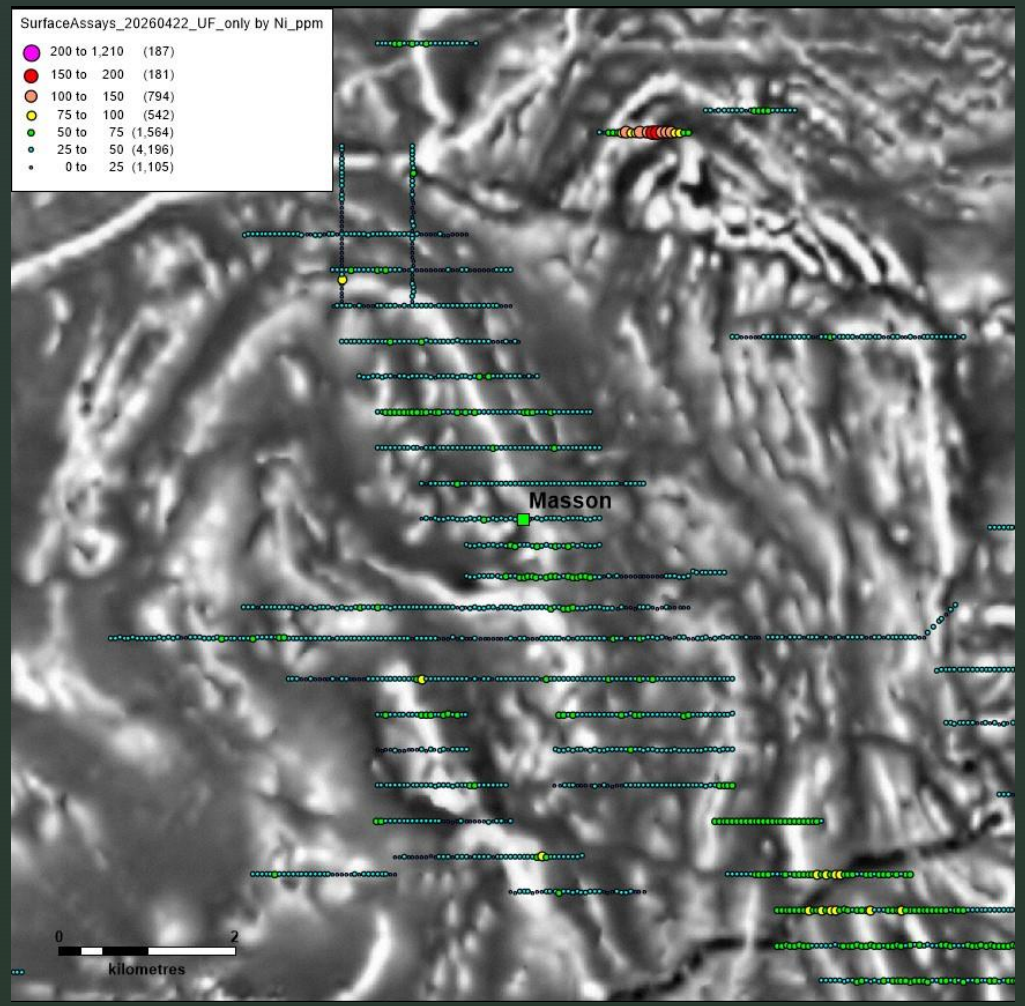


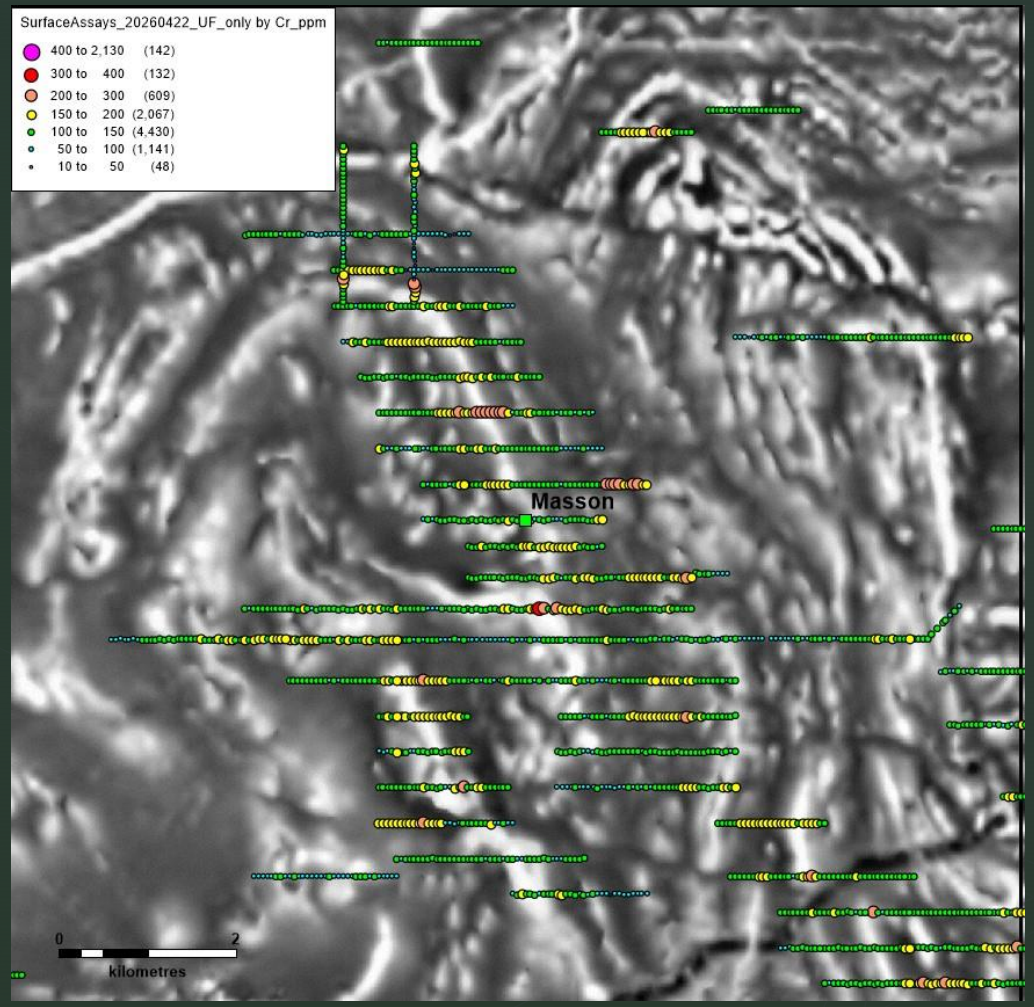
Landscape+ regolith interp with Ultrafine Pd in regolith

- CSIRO Landscape+ analysis
  - DEM (Copernicus)
  - Multi-resolution Valley Bottom Flatness Index
  - Radiometrics
  - Regolith ratios (Sentinel)

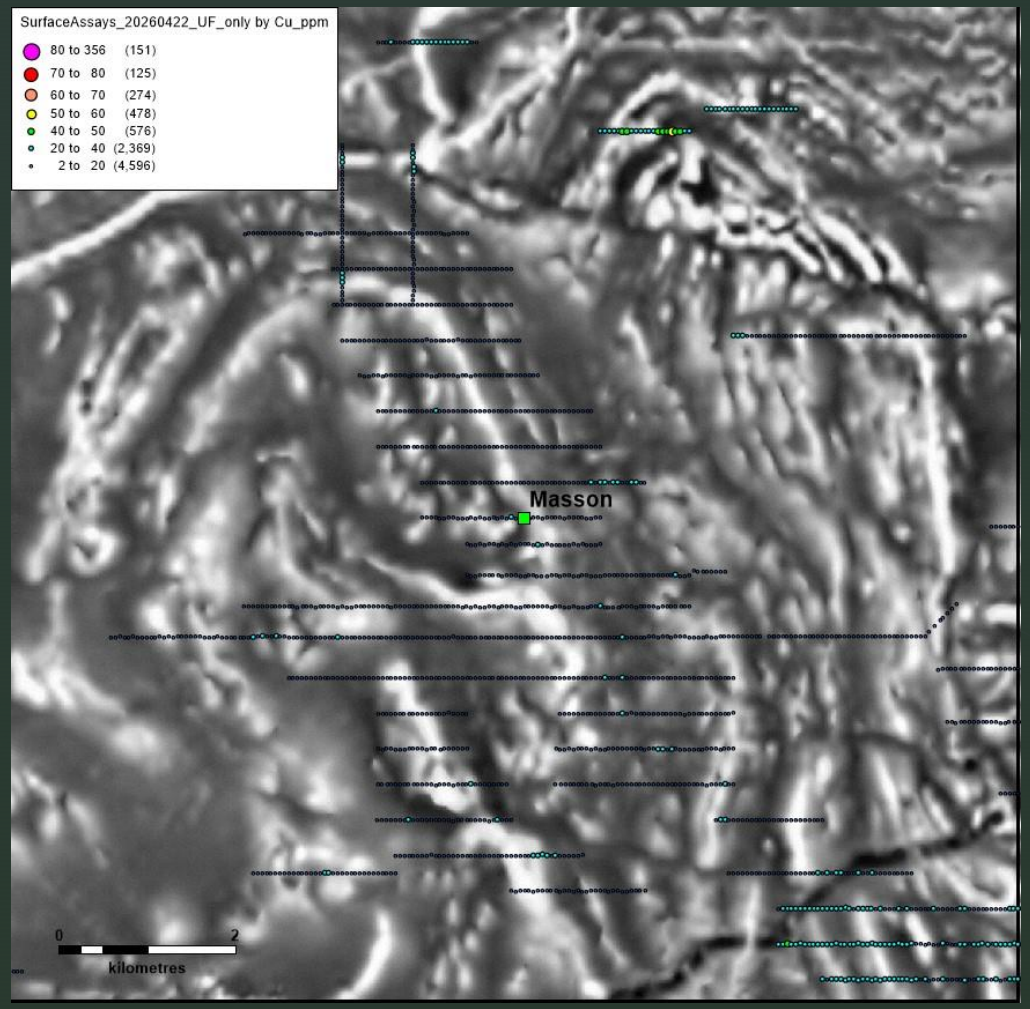


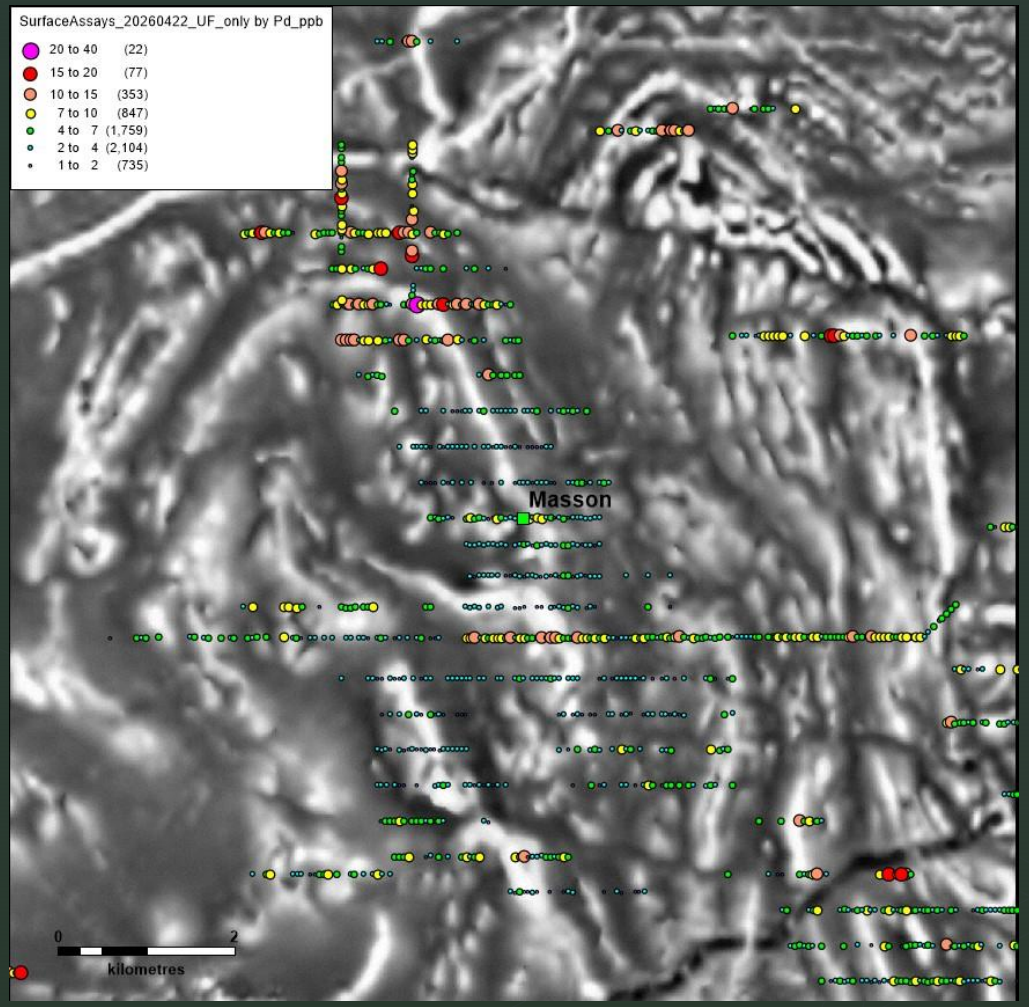
Mons Project: Masson Dome Ni & Cr in Ultrafine regolith sampling





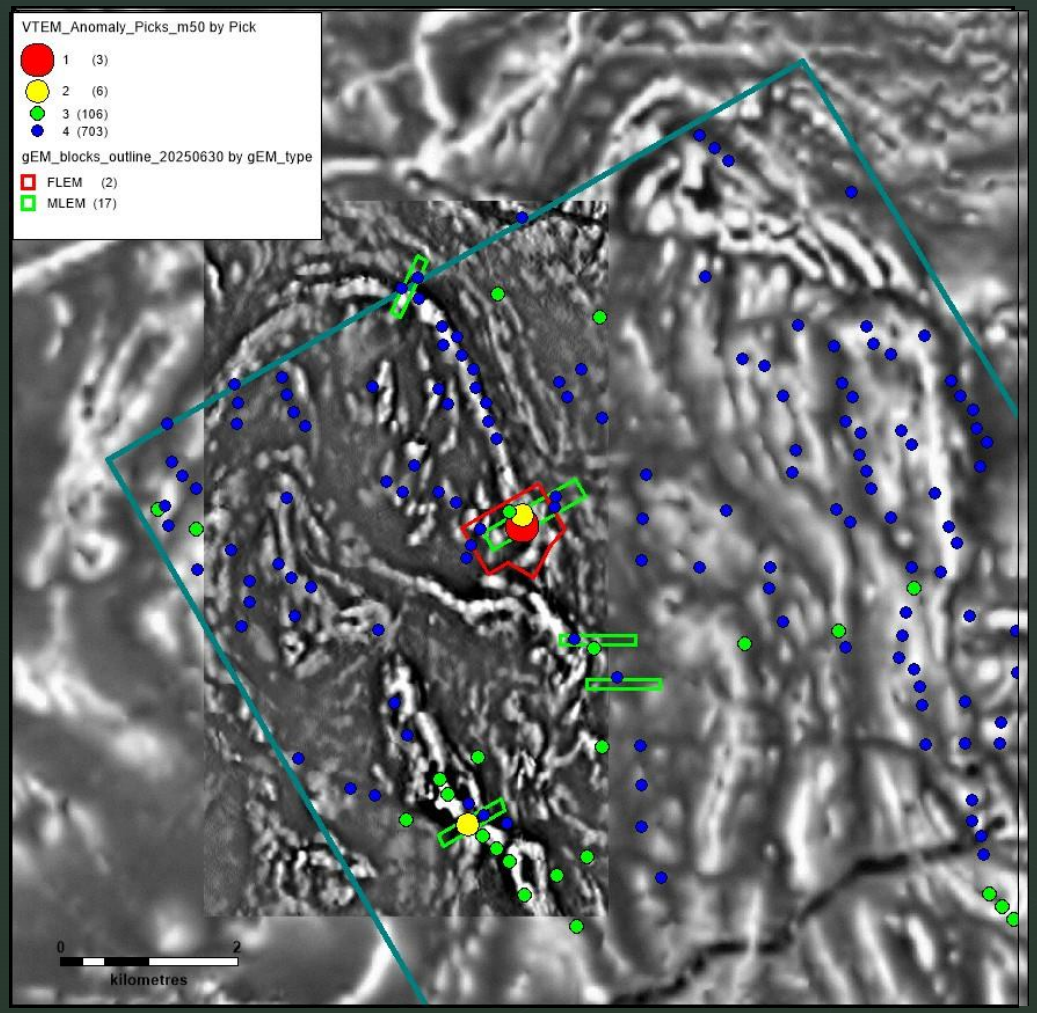
Masson Dome: Cu & Pd in Ultrafine regolith sampling





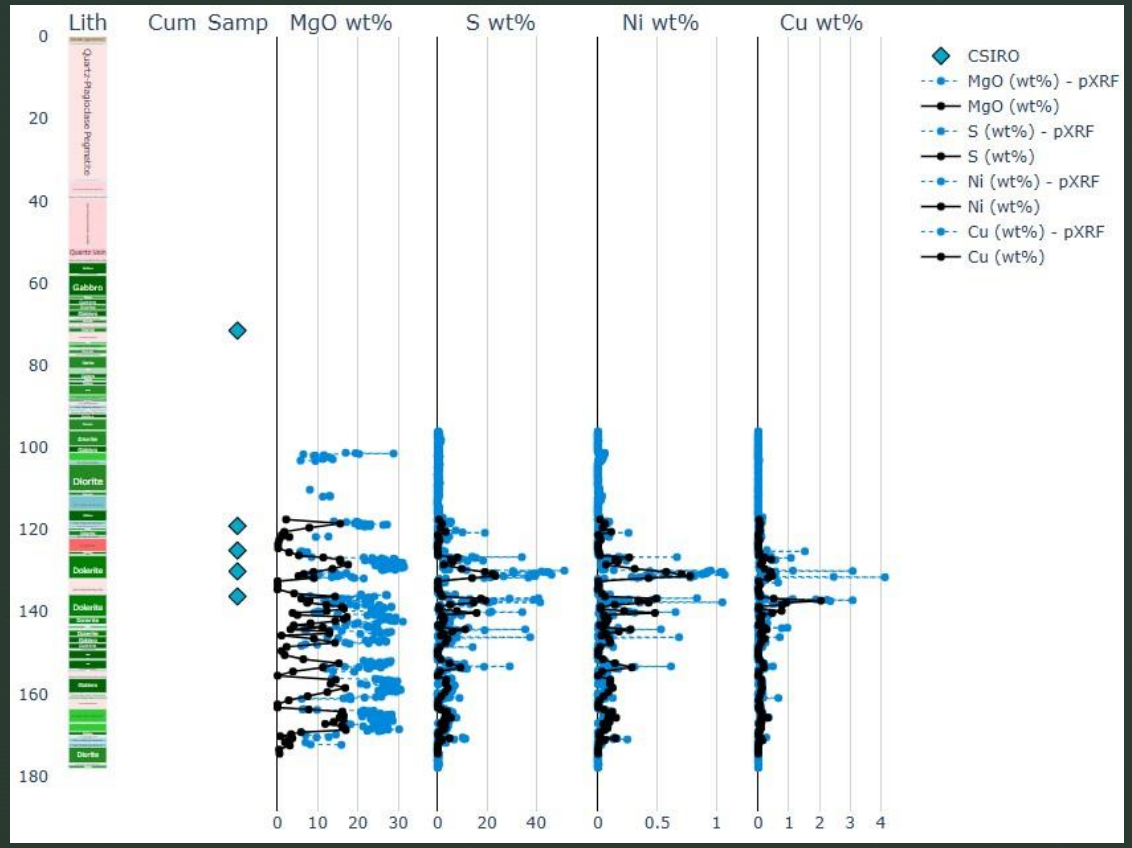
Mons Project: Masson Dome VTEM picks and gEM surveys

- 330 trends of higher priority VTEM picks
- gEM plates in MLEM & FLEM
- Masson prospect drilled: sulphides intersected @ 80m

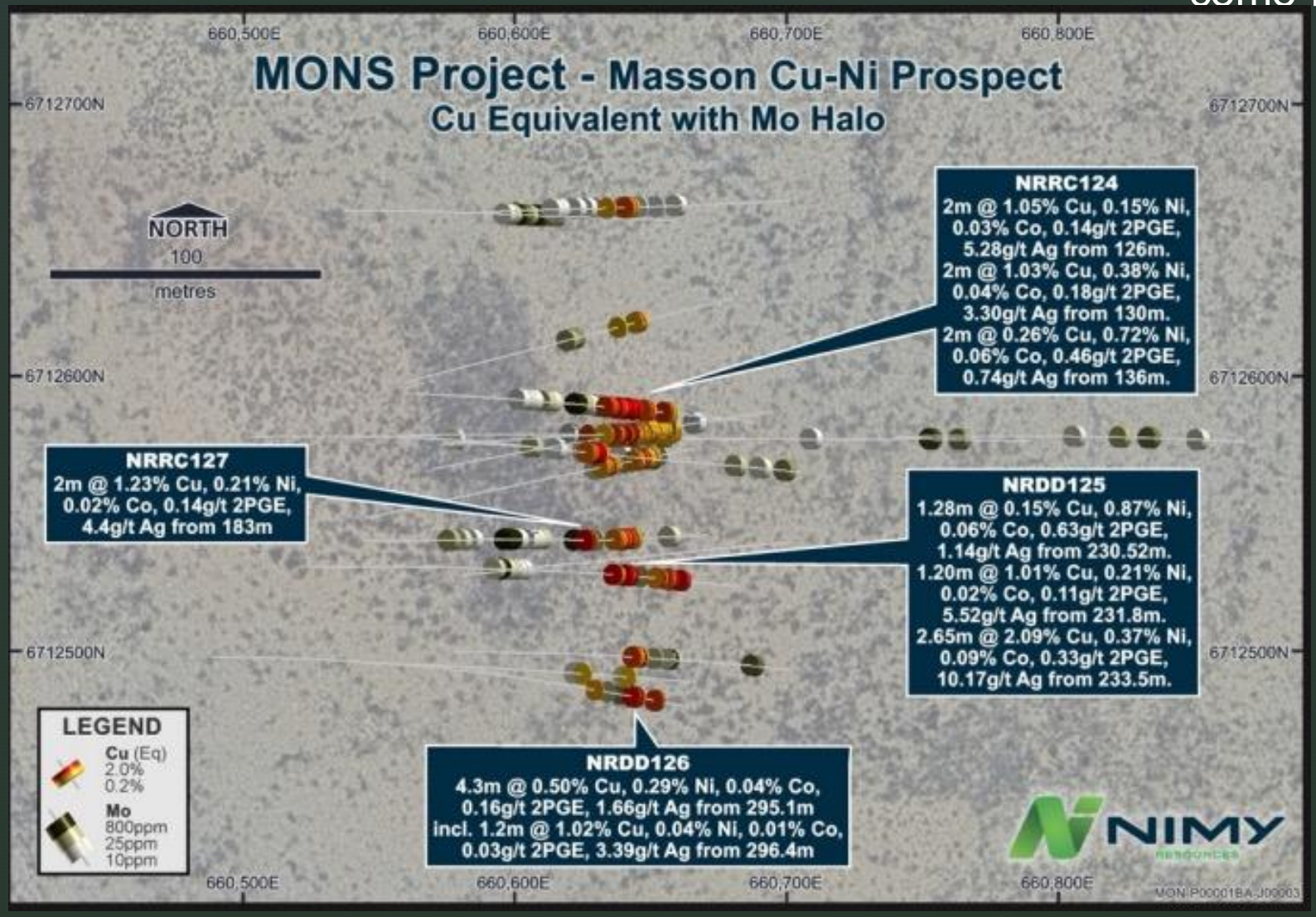


2024 drilling: NRDD0008

- ‘Greenstones’ & mafic intrusive, massively crosscut by late Q-F pegmatites
- Low-MgO mafic melt developed cumulate & non-cumulate lithologies, likely dominated by orthopyroxenite
- Magmatic sulphide breccia and taxitic texture suggest dynamic flow
- Multi-phase emplacement controlled by structural complexity

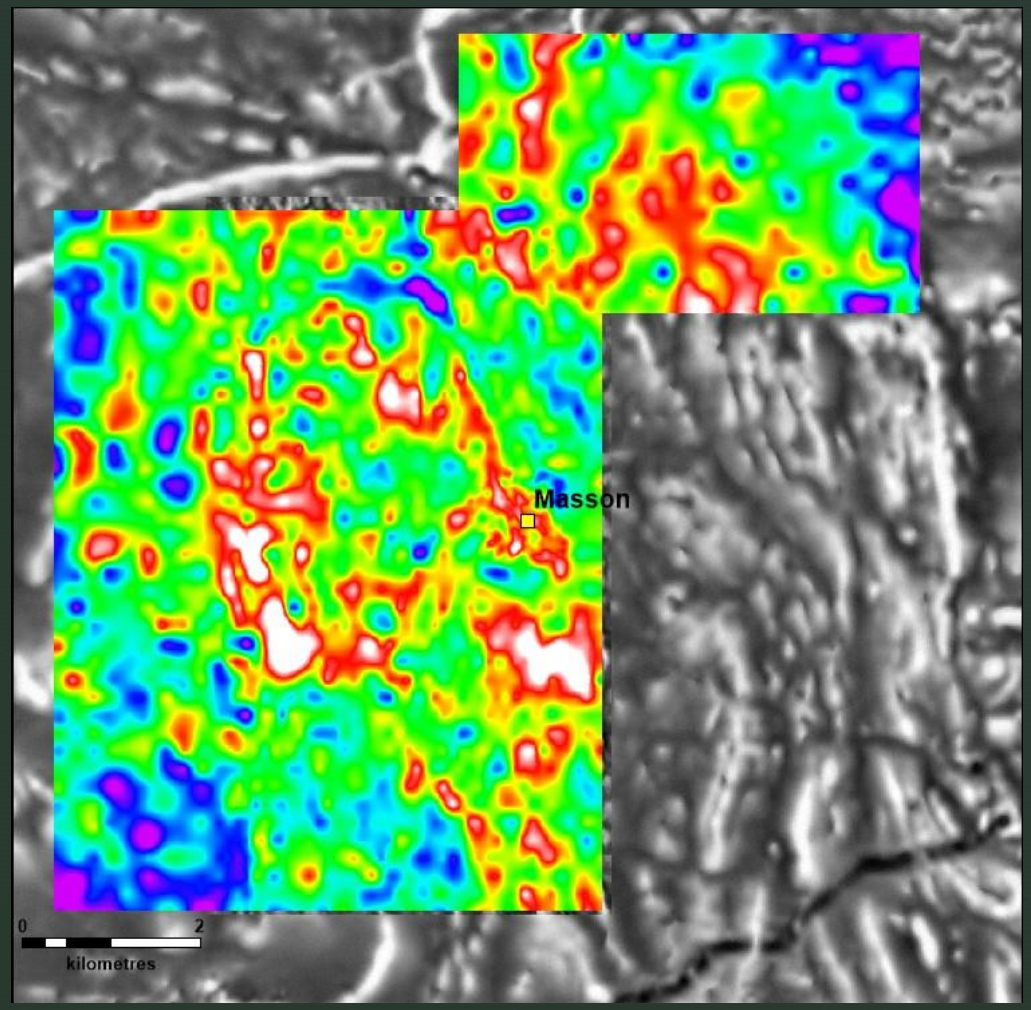


Remobilised sulphides as indicator of potential – where did they come from



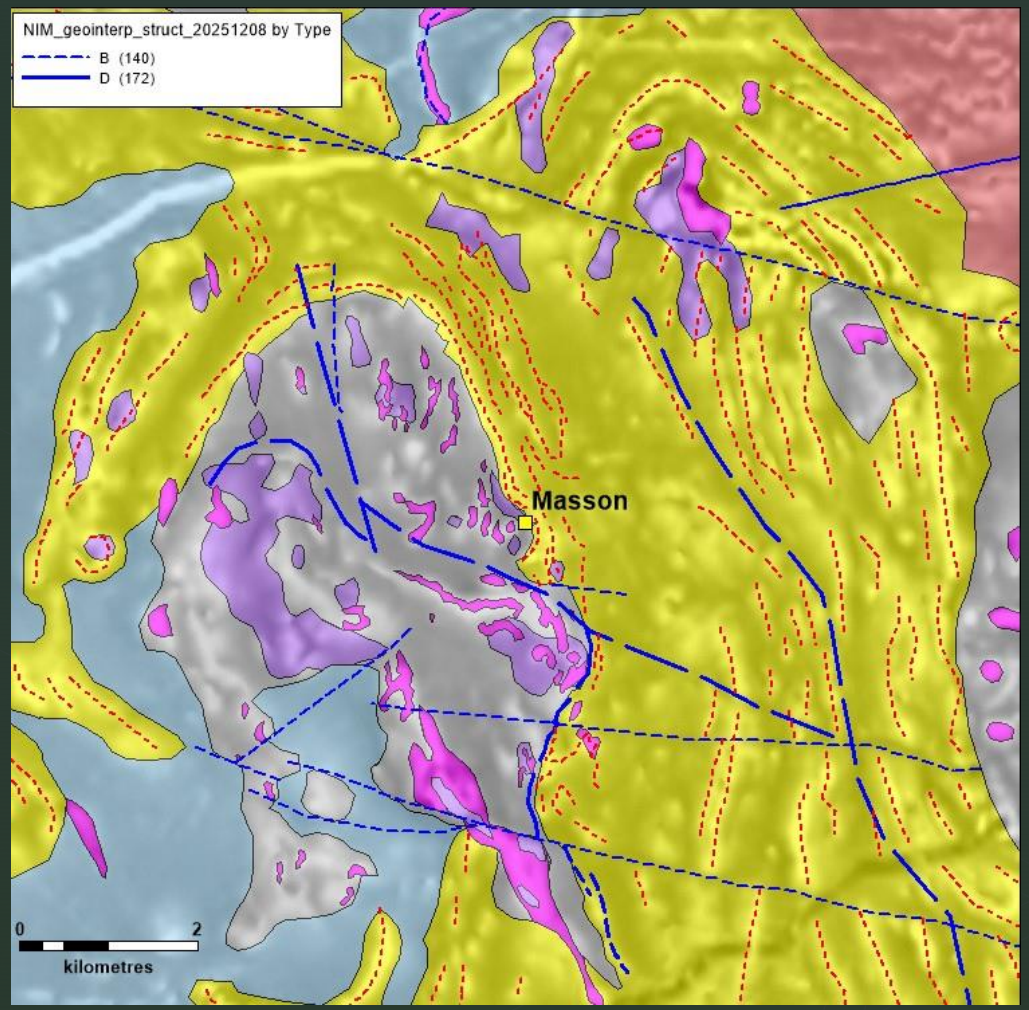
Masson Dome Amag with 2025 and 2026 ground gravity

- Complex gravity anomalies on 330-350
- If dense, not magnetic, likely after PX-rich cumulates
- If magnetic & dense, likely after OL + PX cumulates



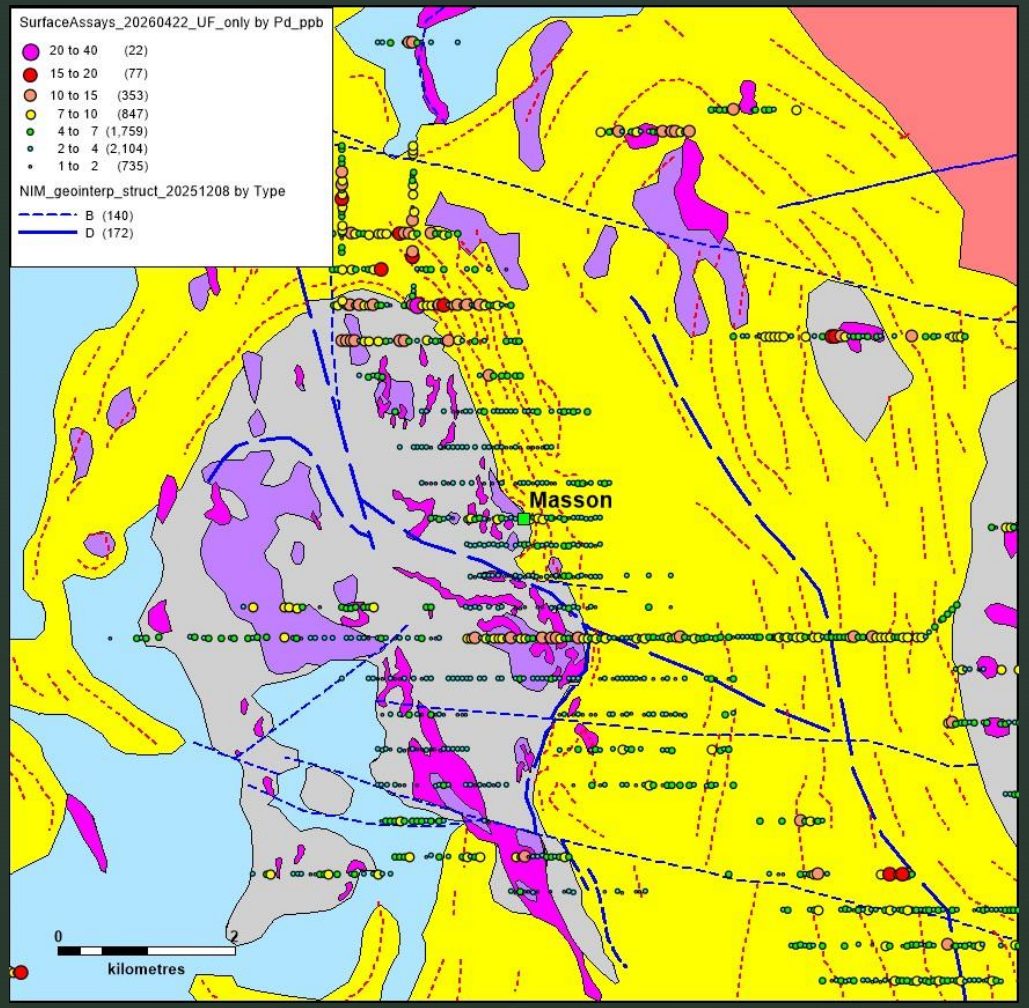
Interpreted intrusive lithologies (June 2026)

- Interpreted OL-cumulates
- Interpreted PX-cumulates



Interpreted geology with Ultrafine Pd (May 2026)

- Interpreted OL cumulates
- Interpreted PX cumulates

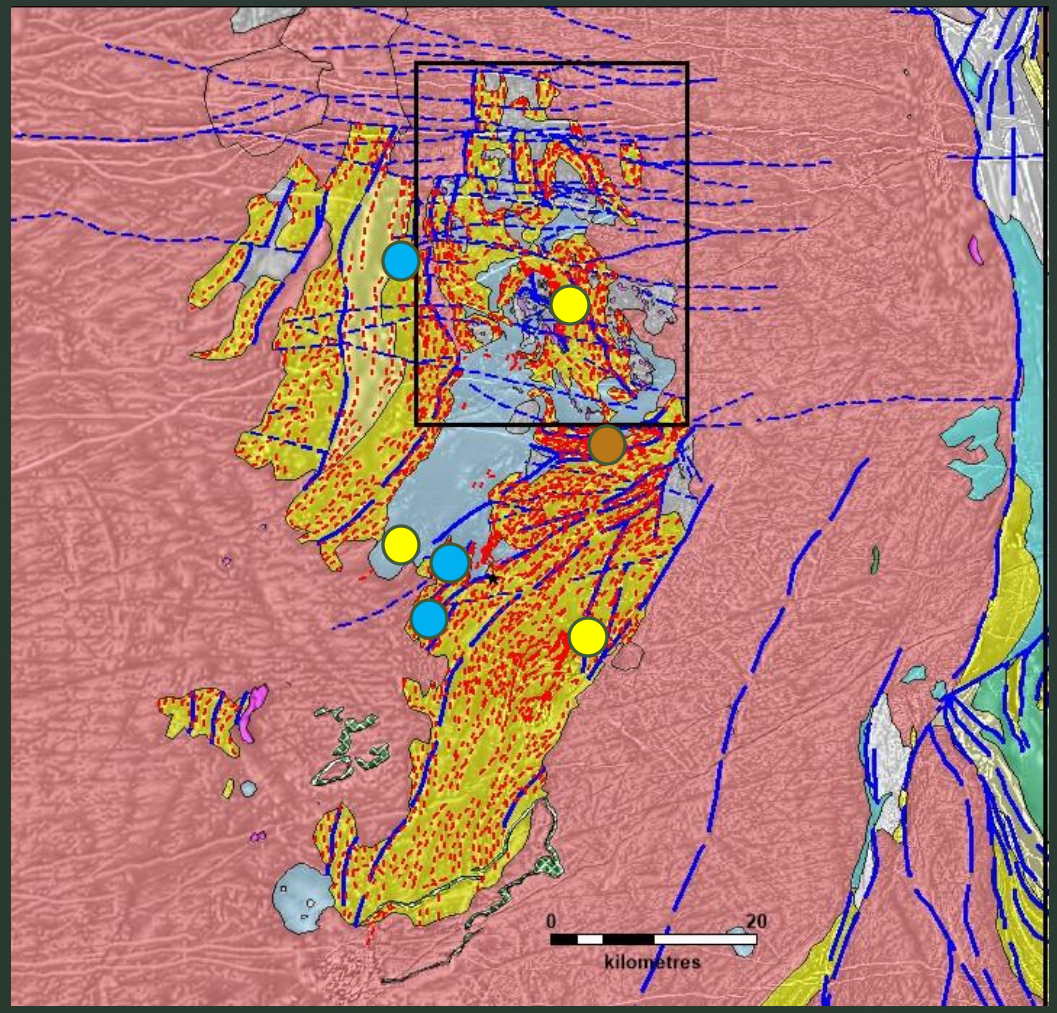


Next steps: Cu-Ni-PGE

- Masson
  - 3D model mag-grav anomalies (50m grid)
  - Drill interpreted intrusion source of remobilised sulphides
- Masson Dome: 31km^2 MLEM survey (600x100m) to identify potential large conductive anomalies
- Domes area: continue Ultrafine regolith sampling

Other mineral systems

- Orogenic Au, intrusion hosted Au
- VHMS
- Gallium



Thank you

For more information please email:

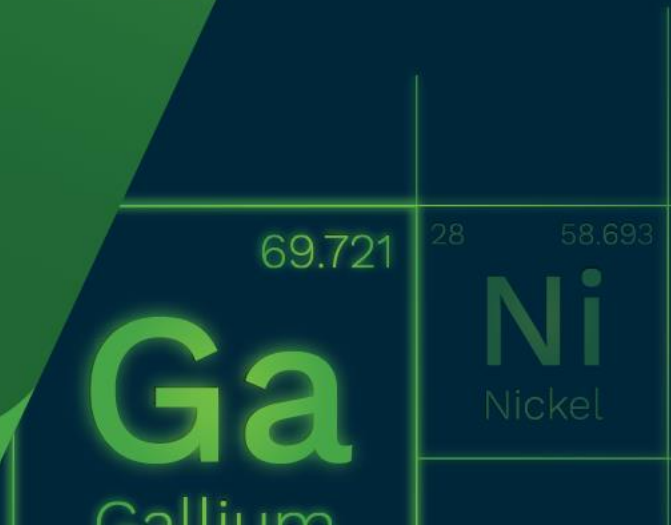
Richard Moody
info@nimyresources.com.au

254 Adelaide Terrace
Perth WA 6000

P.O Box 3220 Perth WA 6892

Phone: (08) 9261 4600

www.nimy.com.au



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