Verify A Early Stage Gold and Base Metal Exploration, NE Tasmania

a back to basics targeting approach

1

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Outline

- Metallogenesis of NE Tas
- Stellar Resources NE Tas Tenement package
- Areas of Interest for Au and Sn Exploration
- Results to date
 - Back Creek/Leura
 - Nabowla
- Other High Priority Targets
 - Pyengana
 - North Scamander



Regional Geology and Mineral Occurances

- 1. Ord Dev Mathinna Beds
- 2. NE/SW compression (Orogenic Au)
- 3. Intrusion of granodiorites (Intrusion Related Au)
- 4. Intrusion of S-type granites
- 5. Late stage highly fractionated alkali granites (Granite Sn-W, Li)



Au Mineralisation in NE Tas

- Orogenic Au
 - Metals are sourced from devolatilization of mafic rocks in the deep basement and focussed into structural traps during orogeny
 - Multiple structural styles in NE Tas
- Intrusion Related Au
 - Metals are sourced from an intermediate-felsic magma (granodiorite) and focussed along the margins as sheeted veins or stockworks in Mathinna host rocks
 - Variable magnetic characters



Tin Mineralisation in NE Tasmania

- Tin Tungsten mineralisation associated with late stage fractionated alkali granites
- Vein and disseminated deposits, no skarns
- Some districts, like the west coast, are well zoned with respect to metal occurrences
 - W 🔿 Sn 🌩 Cu 눡 Pb-Zn-Ag
- Exposure level critical for preservation of Sn mineralisation



Stellar Resources Tenure

- 2019-2021 Stellar Resources took up significant EL holdings over (~2,600 km²), generally off major districts
 - Primary interest in Au
 - Some ground prospective for Sn
- Relinquished 25% over consolidated cover
- Q4 2021 Early stage data review and identification AOI's
- Q1 2022 Fieldwork begins



Areas of Interest

- ~35 Identified using basic, publicly available data magnetics, gravity, stream sediments and rock chips
- Reconnaissance fieldwork, and/or access aspects have reduced the number of high priority targets to ~8
- Detailed surface geochemistry programs completed over 2 AOIs
 - Back Creek Leura
 - Nabowla



RESULTS TO DATE



Back Creek-Leura – Orogenic Au

- Historic goldfield
 - Most production from alluvial
 - Poorly mapped hard-rock reefs
 - Small 'widows' of basement in shallow (<10m) cover
- Structurally identical to Beaconsfield and Lefroy
- Competing interests/tenure = No modern exploration





Back Creek Reconnaissance Results Rock Chips Structural Mapping



Back Creek – Leura Soils

- Soil program conducted over Back Creek (inc MLs) and Leura Goldfields
- Back Creek results remain sensitive, SRZ in discussions with ML holders
- Leura results 100% SRZ





Leura Soil Results – up to 2.36 g/t Au



Nabowla Rationale – IRG/Orogenic Au





 Permissive geology for Orogenic or IRGS – Edge of (?Lisle) granodiorite, strong NW mag lineaments, sporadic Au in streams and rocks

Nabowla Results – The Power of Pathfinders?





Follow-Up Sampling at Nabowla

- Using a multivariate approach to stream sediment results provides a spatially coherent and robust target area for follow up sampling at Nabowla
- Results Pending...



SRZNAB008

Fe_%	14.45
S_%	0.16
As_ppm	63.4
Sb_ppm	0.12
Te_ppm	0.16
Bi_ppm	0.18

OTHER HIGH PRIORITY TARGETS



- Wedge of hornfelsed Mathinna Gp surrounded by granodiorite intrusions and cross-cut by late Poimena granite
- Haleys New Country Granite (HNCG) considered causative stock for Golden Ridge district



Pyengana - Magnetics

- Granodiorites display quite different magnetic character
 - Western stocks are strongly magnetic
 - Eastern stock has almost no magnetic response – more similar to HNCG in south
- Hornfelsing of Mathinna Group at Pyengana, with central zone of subdued magnetics



Pyengana - Gravity

- Mag Low coincides with gravity ridge extending out from mapped granodiorite under Mathinna Gp
- Geophysically very similar to Golden Ridge
 - Strongly altered granodiorite at depth?
 - Originally related to HNCG?
 - Stoped out by Poimena?



Pyengana - Reconnaissance Sampling Traverse



Scamander Geology

- Well known mineral district
 - Southern extension of Constable Creek Granite under Mathinna Group
- TinOne Resources' (TORC) Great Pyramid the most advanced
- Series of W-Sn-Cu-Pb/Zn occurrences concentrically zoned around hypothesised centre of granite



AOI_28 – Scamander

- Covered with dense(ish), consistently analysed stream sediment samples
- Good for gridding



AOI_28 – Scamander – Zoned Stream Sediment Results

- Ag >1ppm
- Pb >60 ppm
- As >50 ppm
- Cu >50 ppm
- Zn >200 ppm
- Sn >750 ppm
- W >250 ppm



AOI_28 – Scamander

- Plausible geologic relationship, coincident with regional geochemistry
- Fluidal geometry, relationship with structural architecture suggest largely magmatic-hydrothermal origin
 - Probably reflecting pyrrhotite...
- Approx. 70 sqkm of prospective ground



AOI_28 – Scamander - Sn in Soils

- Extreme Sn values in a NW trending corridor – inc North Scamander, Great Pyramid, Pinnacles and Wolfram Creek
- 3 -4 additional prospects with strong Sn values in soils and rock chips



AOI_28 – Scamander - Sn In Rocks

- Extremely Sn values in a NW trending corridor – inc North Scamander, Great Pyramid, Pinnacles and Wolfram Creek
- 3 -4 additional prospects with strong Sn values in soils and rock chips



AOI_28 – Scamander - Mineral Occurrences and Drilling

- Limited drilling considering the surface and geophysical anomalism, and most holes <200m
- Great Pyramid Resource
 - 5.2 Mt @ 0.2% Sn (10,400t Sn)
- North Scamander
 - NSD2 138m @ 0.8% Zn (inc. 1m 0.45% Sn, 6.2% Pb, 7.8% Zn, 62 g/t Ag (from 31m)
- Huge potential here!



North Scamander





North Scamander – Hydrothermal Breccia





31



SD2 139 140.5 139.3 **Increasing Breccia Intensity**

North Scamander - Sn





North Scamander - Zn







North Scamander - Ag





NSD2 Alteration Domains from Hylogger Data (Thanks Jake & MRT!)



North Scamander - Carbonate





North Scamander – White Mica - Phengite



*Phengite (Mg-rich) white mica usually represents more neutral-alkaline fluids and so tends to increase <u>away</u> from more acidic associated with Sn mineralisation



Summary

- Multiple styles of mineralisation in NE Tas
 - And sub-styles!
- In known districts, there are already drill-ready targets
- In SRZ tenure off the known districts
 - Truly greenfield opportunities
 - Allows a 'back to basics' targeting approach
 - Some promising results so far
- SRZ have developed a pipeline of high quality targets in 12 months no fancy footwork required

