













### **Cannington South Solid Geology interpretation**

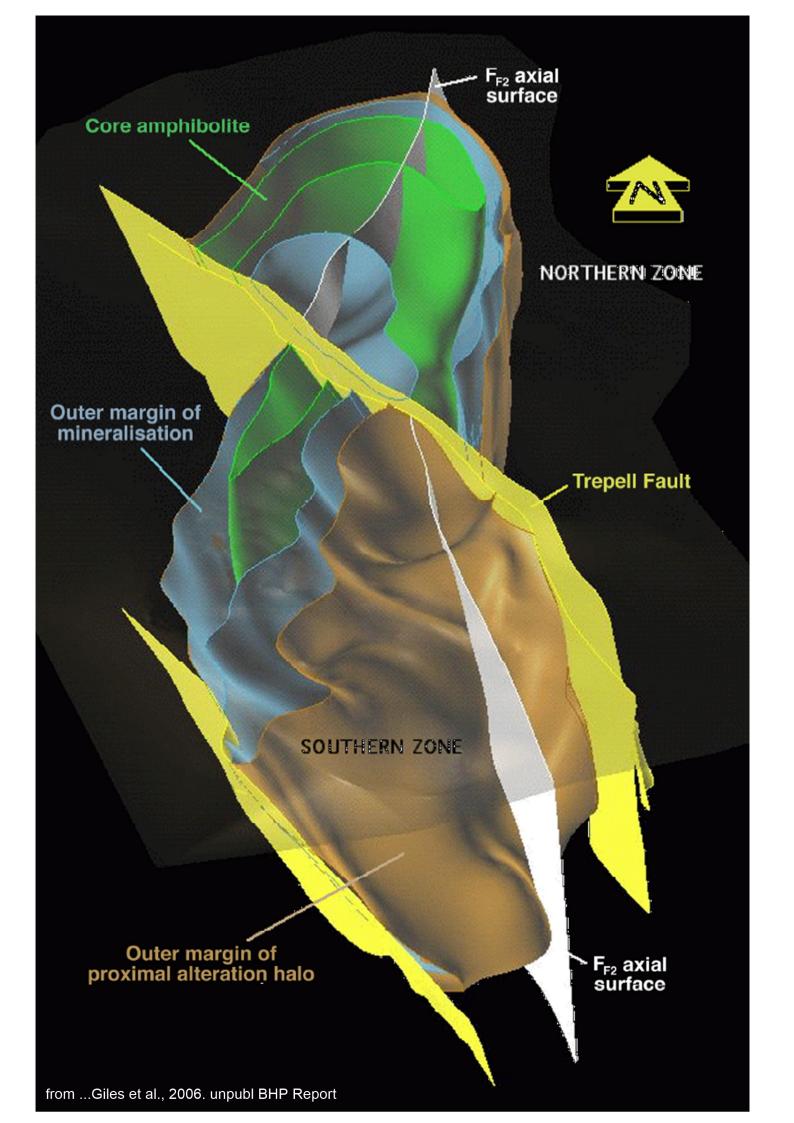
## **Workshop Exercise Options**

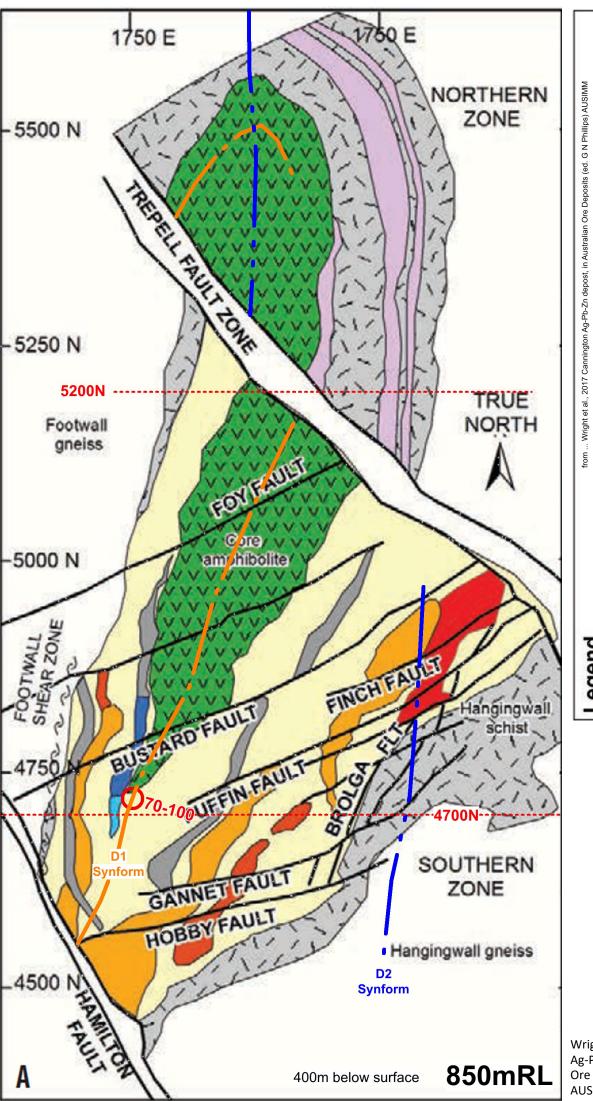
Using recently-released, '1370' Cloncurry detailed Magnetics ...

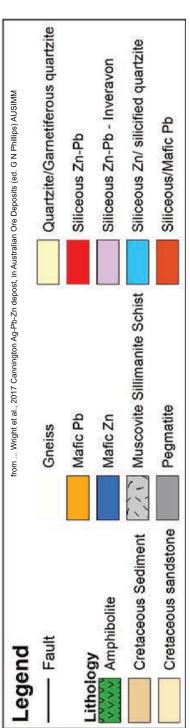
- (1) TRACK Mount Norna Quartzite-Toole Creek Volcanics (MNQ -TCV) contact south from OUTCROP to UNDERCOVER
- (2) EXPLORE architecture around Cannington Mine. DISCOVER next domain of MNQ-TCV
- (3) IS THERE ANY syn-mineral ARCHITECTURE around Cannington to AID TARGETING?
- (4) WHERE is the IMMEDIATE BROWNFIELDS potential at Cannington?

#### **Materials/Data Provided:**

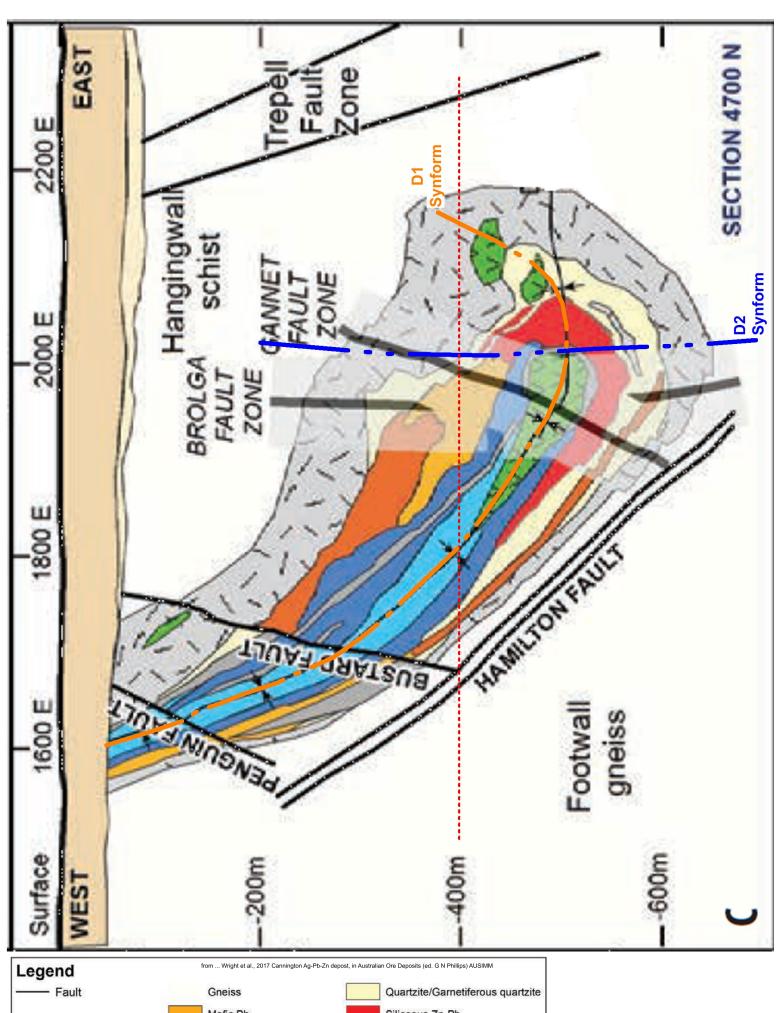
MapInfo GIS Workspace
ESRI ArcMap mxd Project
Recently-released, '1370' Cloncurry detailed Magnetics (& clips)
Selwyn & Mount Angelay 100K Geology Rasters (& Legend)
Cannington Geology figures
Schematic Stratigraphies: East and West of Cloncurry Fault

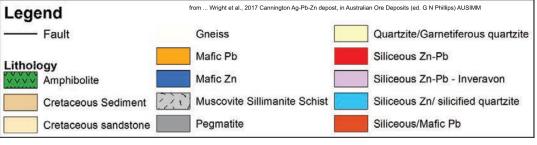




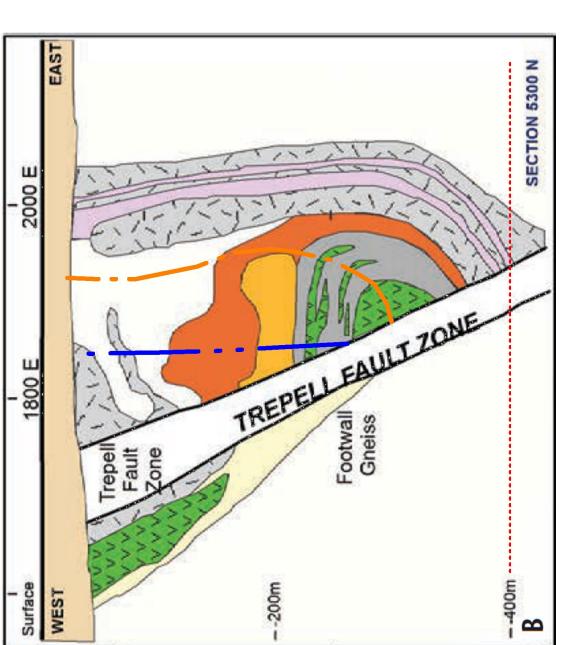


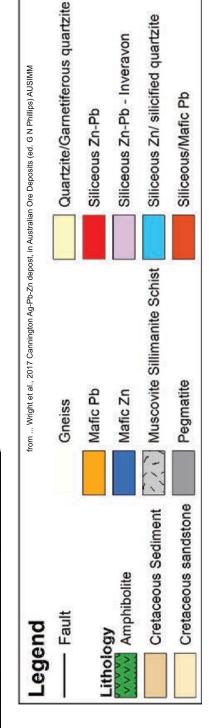
Wright et al., 2017 Cannington Ag-Pb-Zn Deposit, in Australian Ore Deposits (ed. G.N.Phillips) AUSIMM





Wright et al., 2017 Cannington Ag-Pb-Zn Deposit, in Australian Ore Deposits (ed. G.N.Phillips) AUSIMM



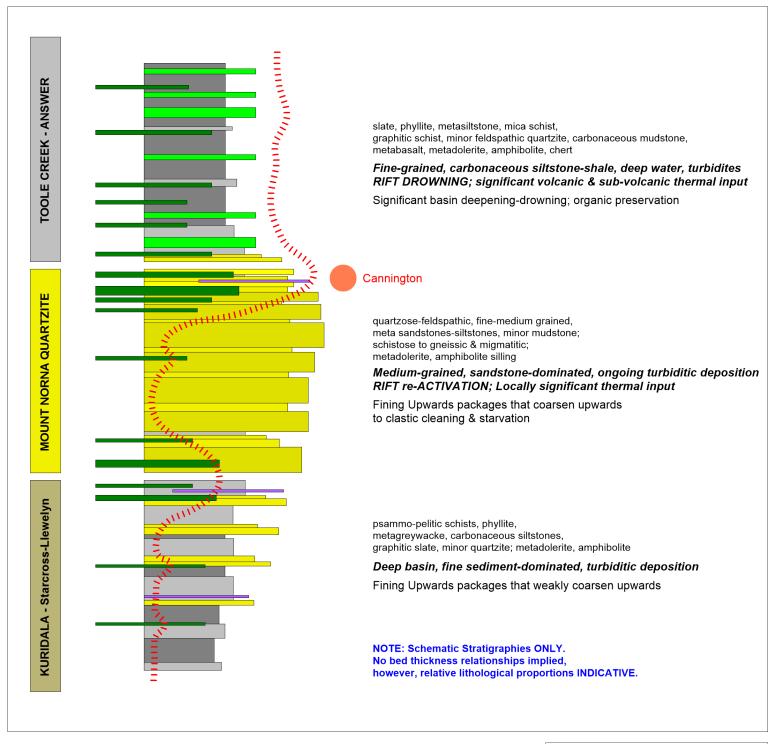


Wright et al., 2017 Cannington Ag-Pb-Zn Deposit, in Australian Ore Deposits (ed. G.N.Phillips) AUSIMM

	PALEOPROTEROZOIC
	Schistose amphibolite, metabasalt and metadolerite; mainly sills, in units of the Soldiers Cap Group
	Metabasalt, amphibolite, fine-grained, dark grey metasiltstone, carbonaceous mudstone, chert, and subordinate metasandstone
Toole Creek Volcanics	Pots Fine-grained, dark grey metasiltstone, carbonaceous mudstone, chert, and subordinate metasandstone; minor metabasalt
	Metabasalt and amphibolite with minor metasedimentary rocks; also common unmapped metadolerite sills and dykes
Mount Norna Quartzite	Pon Fine-grained quartz sandstone, siltstone and mudstone; minor chert, limestone; grades into quartzite and schist
Llewellyn Creek Formation	Politic schist containing garnet, staurolite and andalusite interbedded with metapsammite and quartzite
	Metadolerite, metabasalt and amphibolite; mainly sills, intruding units of the Kuridala Group
Answer Slate	Pa  Dark grey, carbonaceous slate, phyllite and metasiltstone grading into mica schist; minor feldspathic quartzite and chert
Hampden Slate	Prh Dark grey, carbonaceous slate and metasiltstone; minor schist, calcareous and banded calc-silicate rocks
New Hope Sandstone	Prn Bluish grey quartzose to feldspathic metasandstone and mica schist
Starcross Formation	Prs Psammite and pelitic schist containing gamet, staurolite and andalusite
Roxmere Quartzite	Ppr Feldspathic sandstone, minor siltstone and rare conglomerate; locally abundant ripple marks and ripple cross lamination
	Banded scapolitic calc-silicate granofels and subordinate impure marble; locally abundant breccia and metasomatised rocks; metadolerite and amphibolite bodies common
	Metasomatised calc-silicate granofels, commonly brecciated; minor areas of coherent, banded calc-silicate granofels
Staveley Formation	Matrix-supported breccia of calcareous sandstone, siltstone and calc-silicate rock in a calcareous/calc-silicate-bearing matrix; minor coherent bedded calcareous sandstone and calc-silicate rocks
	Very thinly interbedded sandstone and siltstone, variably calcareous with local impure limestone and calc-silicate rocks; local areas of breccia
	Matrix-supported breccia of calcareous sandstone and siltstone in calcareous matrix; minor coherent bedded calcareous sandstone

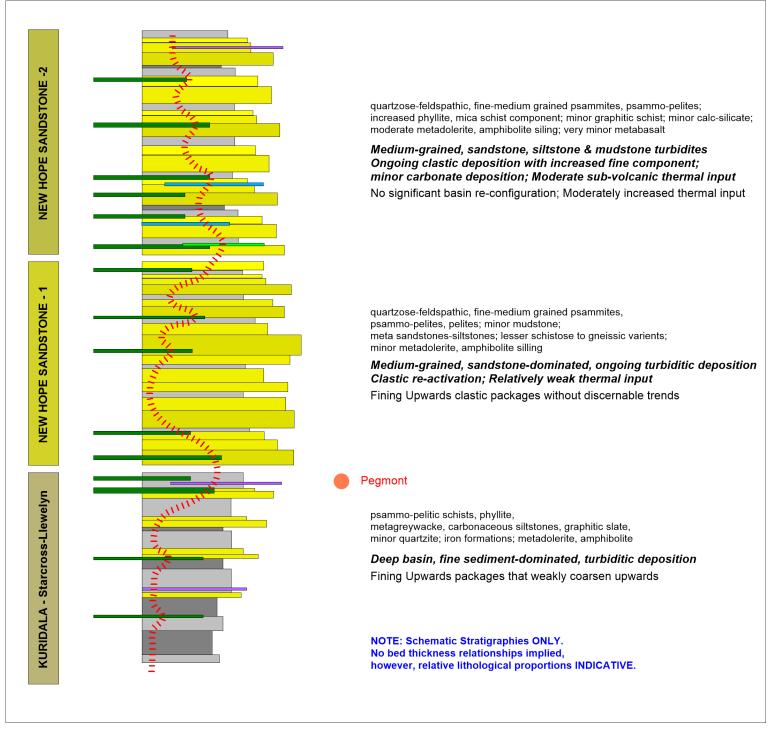
# **100K Stratigraphy LEGEND**

Ps-Pol-Pon-Pot



### **East of CLONCURRY FAULT**





### **West of CLONCURRY FAULT**

