

E.L. 28/95  
Final Report 99/2000

Leamans replicated melange: a prospectors opinion, pt. 2

It is over a year since I recorded my initial conclusions regarding the contentious landmass issues discussed by Dr. David Leaman in his Tasmanian orogenesis paper, (Cambrian Keys: An essay in controversy, tectonism and prospectivity Tas. Geological Bulletin 1992) in relation to the Cambrian Au and VHMS target solutions, that it outlines/provides, for modern era, geophysical designed, Tasmanian mineral exploration.

During this last year, I have gradually come to realise that my erstwhile, 98/99 Final Report interpretations and predictions, as geologically grandiose and obtuse as they may have seemed, (even to me!) are still all true to form.

There is now no doubt in my mind, whatsoever, that Dr. Leamans 1992 Tasmanian tectonic treatise, provides a quite remarkable, geophysical exploration blueprint, for the new millenium.

In arriving at this reaffirmed, prospecting viewpoint, I have undertaken many hundreds of hours of applied historical and geological research of VHMS and epigenetic gold prospects throughout Tasmania, as well as globally, in order to get a reliable, statewide and worldwide, understanding of Dr. Leamans 'greater' Tasmanian replicated 'melange' concepts, from a Tasmanian geophysical, geologic and geomorphologic perspective.

Essentially, this amateur research has been a daily constant in my life.

My prospect by prospect strategy has, I believe, enabled me to reliably confirm my earlier prediction that certain distinct magnetic regimes, as found throughout Tasmania, can be reliably identified by relatively simple, and easy to learn, alteration/indicator, prospecting techniques, in conjunction with astute geophysical interpretation, of modern era, high resolution, residual aero magnetic mapping.

I have observed this to be the case in over 100 hundred Au and VHMS prospects and have also identified, 'standard', lithological correlates that apply to virtually all of these prospects.

I believe that my Tasmania wide prospecting endeavours imply, that, in the context of future Tasmanian aeromagnetic exploration, it is now routinely possible, to identify a recognisable residual paleo magnetic intensity signature, that is undeniably attributable to 'non magnetic' Devonian, Silurian and Ordovician lithologies.

For the record, I predicted this outcome, long before I had the pleasure of studying Richardson's Tasmanian Total Magnetic Intensity Map

As far as I am aware there is no other aeromagnetic interpretation technique that claims an ability to magnetically differentiate underlying sedimentary sequences.

As a direct consequence of this research I have also been able to reliably conclude that VHMS prospects, contained within non magnetic sediments, do indeed exhibit, a very subtle, though clearly recognisable, magnetic 'signature'.

I have also found it to be the case that numerous Induced Polarity anomalies, delineated throughout the Lyell region over the last thirty years, also display magnetic signatures, that are clearly recognisable.

These claims are based on careful and lengthy analysis of the following maps.

The Tasmanian Total Magnetic Intensity Map 1995  
The North East Aeromagnetic Survey Map 1993  
The Western Tasmanian Aeromagnetic Survey 1981  
The North West Aeromagnetic Survey 1999  
The Lynchford Aeromagnetic Survey 1993  
The Yolande Aeromagnetic Survey 1993  
The Mt. Lyell Aeromagnetic Survey 1993/97  
The Badger Head Aeromagnetic Survey 1990  
The Tasmanian Gravity Anomaly Map 1996  
The Tasmanian Time Space Diagram Map 1998  
The Tasmanian Strato Tectonic Elements Map 1998

There are many other maps and untold dozens of state, Australian and worldwide, modern era geoscientific technical reports and historical papers, far too numerous to itemise, that I have earnestly appraised, before I arrived at my conclusions.

It is also true to say, that these prospecting/aeromagnetic conclusions rely heavily on the initial recommendations, outlined in Dr. Leamans Yolande aeromagnetic consultancy report for Pasminco Exploration, July 1993

I have no compunction to waste anyone's time, least of all my own, by making dubious and unsubstantiated geologic assertions.

I stand by all of these claims and humbly invite any MRT geologist or geophysicist, to come and share a weekend with me, here on the Davies Hill license, Western Tasmania.

I trust that they will take the opportunity.

Because quite frankly, I am tired of being the only person in Tasmania, presently aware of the enormous scientific and exploration magnitude, of what I earnestly believe to be a paradigm exploration discovery.

I earnestly believe, that when this Western Tasmanian 'prospecting technique', is reviewed in the context/parameters, of its 'proper' geophysical setting, ie. in conjunction with Dr. Leamans Cambrian Keys solutions, as well as the dynamic work of Corbett, Large, Gemmel, Richardson, et al, then we will, in my lifetime see, a complete revision of the Tasmanian base metal exploration psyche, as well as a

rewriting of exploration textbooks, not just in Tasmania, but wherever Cambrian mineral provinces are found.

I further believe, that, with applied, serious academic study, this technique will have profound implications for the earth sciences of paleobotany, stratigraphy, paleomagnetism, palaeontology, petrology, geochronology, geochemistry and mineralogy ...among others.

There is of course, a hell of a lot more that I would like to reveal about this 'improbable' prospecting technique, although it would be unwise, if not bloody stupid, to reveal all, at this early phase.

However, complete and total honesty in exploration has always! been my personal modus operandi, it still is and will always remain that way.

As far as I am concerned, there is no other way to find hidden orebodies.

So, for the time being, feel very free to doubt the academic or professional, geologic integrity, of these amateur basis, 'observational' prospecting conclusions, as briefly outlined above, but have no doubt they are sincere and honest conclusions, based on five years of diligent, Tasmanian geophysical and reconnaissance prospecting endeavours, backed up with twenty years, of hands on, Tasmanian hardrock mining and exploration experience.

In closing, I would like to record the paramount contribution of the MRT, in my arriving at these firmly held viewpoints.

Without the tireless and sustained efforts of the good men and women who expertly compile, record, collate and store the Tasmanian geological and geophysical database, not one of these contentious conclusions would have been possible.

To me, there's nothing surer on this earth.

I thank the people who comprise Mineral Resources Tasmania for their time and patience, and I hasten to add that I never forget a good deed!

I look forward to seeing in person, the smiles on your faces.

Yours sincerely

Rory Wray-McCann