

ISA GEOTOUR 2013

Sunday 25 August to Saturday 31 August
Tour Guide Geoff Derrick (G M Derrick Geology)

Arguably the Mt Isa Inlier is Australia's premier base metal powerhouse, and exploration results show that it has the potential to keep renewing the resource base that already exists. Dugald River Zn-Pb-Ag-Cu is under construction (MMG), as is Cudoco's Rocklands project. XStrata's Ernest Henry u/g Cu-Au and its new magnetite stream, and new Cu-Au mines at E1 and Monakoff are producing. Inova Resources remains exciting with its Merlin, Starra, Mt Elliott and Osborne operations, plus extraordinary exploration potential. Chinalco Yunnan Cu and Syndicated Metals have significant projects in basement rocks previously considered of low potential, and CYCu have drilled massive sulphides at Elaine and Blue Caesar near Mary Kathleen. Rare earth resources are present in the Milo area of GBM. The tour commences in Mt Isa with some Xstrata Mt Isa material and provides a good cross section of the exciting geological elements of the Inlier enroute to Cloncurry. The extensive mineralization of various types and setting is placed into this context.

PROGRAM

Day 1 Sunday 25 August: Arrive 3pm: quarter day Mt Isa environs – aspects of XStrata Cu operation and inspect drillcore of Mt Isa Group – *Mt Isa overnight—Spinifex Motel*

Day 2: Monday 26 August: : am: Drive to Barbara area in basement, examine geology and mineralization if OK with Syndicated Metals; return to Isa, examine rift fill and cover rocks and relation within the Leichhardt River Fault Trough. Late pm inspect exposures of Isamine Pb-Zn gossans (XStrata). *Overnight Mt Isa — Spinifex Motel*

Day 3: Tuesday 27th August: am: Highway traverse Mt Isa to Cloncurry: Examine basement—cover relations, especially 1750Ma Mary Kathleen Group—spectacular basal contacts of major sag phase with carbonates, scapolite overprints and Na-Fe-Ca alteration, calcite-albite breccias, shale basins, high grade mmics, spectacular folded calc-silicate and marbles of Corella Fmn. etc etc. introduction to Wonga Belt and Mary K geology. Optional: examine drillcore with Chinalco if approved. *Overnight Cloncurry—Leichhardt Motel for rest of week*

Day 4 Wednesday 28 August; : possible overview of Dugald River Zn-Pb (to be advised-MMG); visit Xstrata Cloncurry for overview of Ernest Henry, E1, Monakoff deposits plus drillcore; noon – examine Hot Rocks BIF. PM: With GBM Resources co-operation, drive to Milo area, examine local geology of Tommy Creek Beds and uranium mineralisation and setting of recent rare-earth resource in garnetiferous metadacitic tuffs and ?exhalite-black shale and carbonates. Examine Overhang Jaspilite if time. 4pm: return to Lorena Au (Malachite Resources/VEPL) for overview and display.

Day 5: Thursday 29 August: Selwyn area visit (courtesy Inova Resources): Early start Drive direct Cloncurry to Selwyn: arrive 9.30am: Project overviews plus examine core — selection from Merlin Mo, Starra CuAu, Mt Elliott CuAu — depart early pm, examine areas east of Kuridala—the Barnes shaft—Elana trend (Cu Mo U); return to Cloncurry via Florence Bore hematite breccias in granite.

Day 6: Friday 30 August : Wonga belt: spectacular geology of Mary Kathleen syncline—wollastonite marbles, banded high grade granofels and metasomatites plus skarn events, and heritage low P-high T marble outcrops; observe aspects of areas being explored by Chinalco Yunnan Cu, at their Elaine and Blue Caesar Cu-Co-Au projects in high grade skarn settings. Examine geology of open pit at Mary K; optional extra if time allows: drive north to Cameron River and world class pillow basalt exposures and Lime Creek sulphide-calcite body. **Official end of Geotour.**

Day 7: Saturday 31 August: Depart Cloncurry for Mt Isa; depart Mt Isa noon approx

COST: \$2,200 per person based on 7 persons; includes all fees, guidebook, meals, twin-share accommodation, vehicles, ex-Mt Isa.

Registration: Add name(s), affiliation and contact details below, and re-scan or fax to Geoff Derrick of G M Derrick Geology email: geoffd@powerup.com.au; Phone 07 3379 2555; fax 07 3379 2375; mobile 0408 796 148; Payment by GMD invoice.

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Additional comments re Geotour 2013

(The Tony Rudd Geotour for Political Tragicics)

- Tour is ex-Mt Isa—assemble at Mt Isa airport or at some pre-arranged point, pick up vehicles from airport Sunday 25 August 2013.
- Quorum is 7 people, filling two vehicles plus tour guide; younger geologists seeking exposure to more geological experiences are especially welcome
- One 4WD wagon vehicle required to be driven by a tour participant
- Since mines sites form part of the geotour program, attendees should have suitable attire, **namely steel-capped safety boots**, long trousers and long-sleeved shirts for these occasions. Otherwise dress for the normal field occasion.
- While the tour program is quite firm, there may be last minute re-arrangements based on Murphy's Law. The Inlier offers so much to see that there is always a quality alternative should the best laid plans go mildly awry.
- Tour accommodation is good quality twin-share motel accommodation. Irish folk are commonplace in Cloncurry, and are still serving the finest Australian and Irish ales at the Leichhardt Hotel.
- There is no limit on meal intakes or selection, but choice lobster, caviar, bar bills and telephone are the responsibility of individuals
- The tour guide book is a work of art itself, with informed and up-to-date technical comment, stop descriptions and a large number of high quality colour images of geology and geophysics. Attendees will also receive a digital copy of the two talks presented by Geoff at the 2012 IGC.
- Geoff is open to any discussion re tag-along arrangements for any company individuals/groups who may be interested in certain days only.
- Should the Federal election date be Saturday 31 August, it is likely that an absentee vote may be cast in Cloncurry on that morning before returning to Isa.
- **It would be appreciated if this brochure could be forwarded widely and often to your own email mailing lists and contacts** ; the cost of the tour is identical to that operated in 2011, and compares with costs of about +\$3,000 for the IGC-organized geotour of 2012.
- Main contact point for further enquiries is email : geoffd@powerup.com.au ; fax: 07 3379 2375 and phone 07 3379 2555 or mobile 0408 796 148
- THANK YOU FOR YOUR INTEREST AND CO-OPERATION, IN WHAT ARE DIFFICULT TIMES FOR OUR INDUSTRY - *from Geoff Derrick, geologist, tour organizer and guide.*