Henty Exploration Historical Activity

Company	Dates	Hist. tenement	Geology	Geochem	Geophysics	Drilling	Comments								
Pickands Mather	late 1950s - '60s	SPL107													
Mt Lyell Mining and Railway company	1966-1967	EL9/66 'Tyndall'	mapping	soils (A-horizon), streams, rockchips	Dipole-dipole IP (400m spaced), defined 5 main anomalies	HA DD	drilling established low grade Au associated with disseminated pyrite mineralisation hosted in Anthony Rd Andesites.								
Goldfields	1968-1969	EL9/66 'Tyndall'		costeaning IP/geochem anomalies. Limited detailed soils.	fluxgate magnetics defined 3 main anomalies		gridding of Howards Anomaly								
Goldfields	1969-1970	EL9/66 'Tyndall'			vertical field magnetics		gridding of Newton Creek								
Goldfields	1970-1971	EL9/66 'Tyndall'				HA1 and HA2									
Goldfields	1971-1972	EL9/66 'Tyndall'					No work in this period								
Goldfields	1972-1973	EL9/66 'Tyndall'	mapping	mercury vapor soil test											
Goldfields	1973-1974	EL9/66 'Tyndall'					No work in this period								
Goldfields	1974-1975	EL9/66 'Tyndall'	detailed mapping	detailed soils	gradient array IP, ground magnetics defined 7 main anomalies	HA3									
Goldfields	1975-1978	EL9/66 'Tyndall'				WSP1	WSP1 to test twin EIP chargeability anomalies with co-incident ground mag anomaly and low order Cu-Pb-Zn in soils.	Looking for VMS deposits supposedly on similar horizon to Rosebery.	Calcite alteration, py, minor cpy, sph and gal. throughout hole. 6m of ser si alteration. In sequence of tuffs.						
Goldfields	1978-1979	EL9/66 'Tyndall'	mapping Tyndall Mine	soil/rock sampling at Tyndall Mine, anomalous Pb,Zn	airmag (Geoex)										
Goldfields	1979-1980	EL9/66 'Tyndall'	detailed mapping, pits dug over soil anomalies petrology (rock, HA4)	detailed soil sampling, rock chips, reassay HA3	gradient array IP, followup pole-dipole IP defined 14 main anomalies, limited detailed total field magnetics	HA4									
Goldfields	1980-1981	EL9/66 'Tyndall'	costeans, mapping, petrology	detailed soil, limited stream sampling, rockchip. Reassayed HA1/2 for Ag, no sig. Ag	limited gradient array IP, detailed ground magnetics found no anomalies	HA5									
Goldfields	1981-1982	EL9/66 'Tyndall'	alteratiion study, petrography (Eastoe)	limited detailed soil sampling (A-horizon)	dipole-dipole IP to confirm anomalies	HA6									
Goldfields	1982-1983	EL9/66 'Tyndall'	data review	reassaying HA2-6. HA2 9m @ 0.2g/t Au		defined silver and sulphide zone at Howards anomaly.									
Goldfields	1983-1984	EL9/66 'Tyndall'	petrology			HA7-8, broad pyritic zone	discovered Lake Newton sulphide alteration								
	1984-1985	ETA (EL9/66 WAS SPLIT into Lake Margaret and Yolande River)				WSP3	WSP3 drilled along strike from WSP1. Stated no significant assays. Details in missing pages from reliquishment report								
CRAE	1985-1986	EL5/85 'Lake Margaret' east of 380000mE			26linekms, 400m line UTEM - found 4 anomalies										
Arimco/Pasminco	1986-1989	EL11/85 'Yolande River' west of 380000mE					limited reccy work								
CRAE	1986-1987	EL5/85 'Lake Margaret' east of 380000mE	mapping	SS, soils, max 0.4g/t Au, rockchips											
CRAE	1987-1988	EL5/85 'Lake Margaret' east of 380000mE	review												
Aberfoyle	1988-1990	EL5/85 'Lake Margaret' east of 380000mE	lithogeochem, petrology, isotopes	soils	helimag, DHEM	4 deep holes testing conceptual int. of lw Tyndall Grp with GLF	No work in this period								
Pasminco/Arimco	1990	EL11/85 'Yolande River' west of 380000mE	mapping	soils (C-horizon), rockchips	helimag, UTEM east of Henty River		pasminco assume management								
Pasminco	1991	EL11/85 'Yolande River' west of 380000mE				YNC1-5	DISCOVERY OF SULPHIDE CLASTS WITHIN THE SPILLWAY HORIZON MASSFLOW	YNC1 to see contact of sandstone and conglomerate to correlate with Spillway	YNC2 and 3 to establish orientatio and nature of sulphicic siltstone unit	YNC4 and 5 to test zone of alteration with anom base and precious metals and IP response					
Aberfoyle	1990-1991	EL5/85 'Lake Margaret' east of 380000mE	newton dam spillway sulfide boulders	lithogeochem, Pb isotopes, Gibson honours project											
Aberfoyle	1991-1992	EL5/85 'Lake Margaret' east of 380000mE	mapping, petrology	lithogeochem, soils, S isotopes											
Pasminco	1992-1995	EL11/85 'Yolande River' west of 380000mE				YNC6-15 DD	drilling chasing the source of sulphide clasts in Newton ck spillway. Chasing the intersection of the base of the Tyndall group with the GLF	YNC7 to test along strike from YNC4 and also spillway type conglom between YNC5 and the spillway	YNC8 to test W from YNC7. YNC10 to test 50m S and 150m below alteration and mineralisation in YNC5	YNC11 to test Spillway Horizon. YNC12 to test for Spillway Horizon based on magnetic interp	YNC13 to test Spillway Horizon within a zone of alteration inferred from magnetics	YNC14 and 15 to test Henty Canal pyrite zone co-incident with Spillway Horizon and Henty Fault and anom IP	YNC16 to test for Au-base metals with silicification and or carbonate in zone of volcaniclasics and black shales immediately below the lower Tyndall Group contact.		
Aberfoyle	1992-1993	EL5/85 'Lake Margaret' east of 380000mE	1:5000 mapping, sampling, petrology defined barite-sulfide boulders in Tyndall Ck	lithogeochem, REE geochem	helimag/radiometrics, EM (Tyndall Mine)										
Aberfoyle	1993-1994	EL5/85 'Lake Margaret' east of 380000mE	minor infill mapping	110 wacker samples, rockchips inc. 3.1ppm Au, 30% Ba (barite stringer mins). SS - max 0.074ppm Au	IP/UTEM surveys over Tyndall Ck. No IP response	DDH TC1-5 short holes. max Au in TC3 - 0.8m @3.8ppm Au	Focus on Tyndall Creek								
	1995	EL11/85 'Yolande River' west of 380000mE				NC1-4	NC1-3 to test for massiv esulphides at intersection of Lower Tyndall Group and Great Lyell Fault over 1.4km	NC4 totest downdip extension of Zn anomalous pyritic alteration in HA8							
Resolute	1996-1997	Granted both Lake Margaret and Yolande River, formed EL8/96 'South Henty' (southern end of which was the EL28/2001 area)	1:5000 mapping, relogging, data review	389 soils (wacker C-horizon) Tyndall Ck, Henty Canal, access rd prospects, rockchips. Petro, lithogeochem sampling	DHEM, 14kms of dipole-dipole IP on Tyndall Ck, Henty Canal, access rd prospects	SHD1 to SHD13	Main target was the Lake Newton Prospect magnetic anomaly. No significant mineralisation on the Henty horizon.	SHD2 and SHD12 to test Spillway Horizon. SHD3, SHD4, SHD5 and SHD7 to test soil and IP anomalies on the interpreted Tyndall Creek Fault	SHD1, SHD10, SHD11, SHD13 and SHD14 to test Lake Newton Prospect mag anomaly, centred on or below the Henty-Comstock horizon						
Resolute/Goldfields JV	1997-1998	EL8/96 'South Henty'	1:5000 mapping	rockchips, lithogeochem sampling	DHEM	SHD15, SHD16, SHD17, SHD18 (Goldfields), SHD14 (Resolute)	Goldfields targetting Henty-style	SHD16 to test the Henty Horizon under the Tyndall Mine	SHD17 to test Henty horizon alongside an E-W fault up stratigraphy from anomalous base metal carbonate alteration in YNC10 and YNC4	SHD18 to intersect Spillway Horizon 500m N of outcropping sulphide clasts. Collared below outcropping alteration on Lake newton access track.					
Resolute/Goldfields JV	1998-1999	EL8/96 'South Henty'	1:5000 mapping in southern part of tenement	rockchips, lithogeochem sampling., sulphur isotopes, alteration geochemistry study	DHEM, 24kms of CSAMT. Compilation of previous IP	SHD19	Chasing conceptual target above Lake Newton Prospect	SHD19 based on concept that Lake Newton Prospect a possible feeder for an orebody at the inferred volcanics seawater interface higher in stratigraphy							
Resolute/Goldfields JV	1999-2000	EL8/96 'South Henty'	mapping. Honours (Street,M)	sulphur isotope study	processing of CSAMT survey, inversion and imaging of old IP sections (1967), DHEM of SHD20, 21, 22, 16, 2, SHD1, NC4, SHD12	SHD20 to test CSAMT anom 300m N of Cu-Au zone. SDD23 to test Canal Prospect S of MJ024. SHD24 to test Canal Prospect. SHD25 to test IP anom in Howards Basalt. SHD26 to test Lake Newton alteration down dip from Ba-base metals in Tyndall Ck.	CSAMT - cagniard resistivity anomaly at Lake Newton Prospect coincident with sericite-pyrite altn >500m. targetted in DD. Remains open to south, an area underlying the Tyndall ck mins!!	coincident CSAMT, IP anomaly on lines 5357400N and 5357800N at spillway horizon strat. 'this anomaly hasn't been adequately tested by pasminco drilling (YNC12,13). Too far west. Coincident base metal soil anomalism????	coincident CSAMT, IP anomaly on lines 16N & 18N around 380000E 5357000N at spillway horizon strat. 'this anomaly hasn't been adequately tested should be tested by one short DD	SHD21, SHD22 targetting coincident DHEM/CSAMT anomalies. Narrowly missed' conductive anomalies. Body 1 is located on the spillway horizon, isnt fully tested. 2 holes recommended to fully test bodies. Inc one deeper hole to test body 2 (best conductor on	CSAMT survey identified pyritic altn zone over 2kms strike. Southern km remains untested	One short drillhole recommended to test coincident IP and CSAMT anomaly on spillway horizon at 380000E, 5357000N	New CSAMT and old dipole-dipole IP interp. Resulted in identification of 7 conductors >100m deep. 6 polarisable zones, several lithological. 4 drillholes + detailed IP recommended	only evidence for hydrothermal fluids reaching the lynchford member is at Howards Anomaly in the SE corner??	The CSAMT survey has identified the pyritic alteration zone over a strike length in excess of 2kms. The southern kilometre remains untested. This area of anomalism underlies the barite-basemetal mineralisation of Tyndall Creek and should be drill tested
Resolute withdraws from JV transferring ownership to Goldfields															
MRT granted extension of term for northern half of lease, southern area was relinquished (became ETA552)															
Placer regained ground through successful tender for ETA552, area became E28/2001 Lake Newton															
Placer Dome	2001	EL28/2001 'Lake Newton' (Tyndall Creek)		rockchips			An untested CSAMT and IP anomaly exists on the Spillway Horizon at approximately 5357500N, 380000E								
Placer Dome	2002-2003	EL28/2001 'Lake Newton' (Tyndall Creek)				2 x DD SHD26, SHD25	SHD25 targetted southern continuation of Lake Newton altn zone, down dip from Howards Anomaly. Weakly mins altn intersected.	SHD26 targetted DHEM anomaly at Lake Newton, intersected several zones of massive pyrite with ass. Silica-sericite-pyrite altn.	**additional exploration should target Lake Newton altn down dip from barite-base metal mins in tyndal ck. This mins is developed in Lynchford tuff'. Could be analogous to Bzone mins at henty. Poss Henty style not tested**	a continuous IP anomaly on lines 20N, 22N and 24N is coincident with the silver-haematite zone located at the top of the Lake Newton Prospect	DHEM survey of SHD25 is of high importance as there is little DHEM data available in this area, may indicate further drill targets				
Placer Dome	2005-2006	EL28/2001 ' Lake Newton' (Tyndall Creek)				1 hole, Z16520 at old drillsite NC4	targetting Henty Fault footwall and the at depth intersection of the Henty-Comstock horizon and the GLF								
Barrick Limited	2006-2009	EL28/2001 ' Lake Newton' (Tyndall Creek)	mapping	MMI sampling program, rockchips	DDIP survey Henty North	Z16732, Z16739	targetting Tyndall Ck barite and base metal mineralisation; UTEM anomaly at Wendy's Folly								