

EL44/2006 Corinna - Literature Search Chronology of Prior Exploration.

Compiled by A M Rigg 19July07

Company	Year	Location	Activity	Results	Conclusions	Comments	Report
	1879	Corinna district	Payable alluvial gold discovered. Stream & terrace deposits worked through to the 1930's.		Source mainly from Tertiary gravels, with some apparently primary gold present in places.		97-4074
	1880's	Corinna district	Hardrock Au & Cu prospects found.	Rocky River area (outside EL) most productive. Bowry Fm had scattered Au/Cu prospects and small mines.	Auriferous leader found at Lucy Spur.		97-4074
Lands & Works	1881	Western Tasmania, Meredith granite to Macquarie Harbour	Report on geological field trip to mines and prospects to the Tasmania Legislative Council. Progress report on mines, by Mr G Thureau FGS.			Interesting old-style general rpt on tin and gold mining, etc.	OS_026
Austral Malay Tin	1934	1.3km west of Silica mine ML	Three drillholes close to the Savage River			No information found	MRT Doris db
Rio Tinto	1956	North-western Tasmania	Aeromagnetic survey - 500m fls?	Geophysical anomalies defined.			
HEC	1963	Delville saddle nr the Newdegate Ck in the SW of EL	Eight drillholes to test for possible reservoir leakage pathways.	Probable weathered silicified dolomites were encountered under Tertiary cover rocks. In one hole the Bernafai Volc's were intersected. In another probable upper Donaldson Fm was intersected.		MRT holds some core.	UR1993_20 & MRT Doris db
HEC & DMR	19?	Hell's Gates on the Pieman River, 750m west of Corinna	Drilling for geotechnical purposes.	HEC Hell's Gates drilling not in MRT db, no data available. DMR Corinna crossing drilling not in db, partially silicified dolomite encountered below 25-30m of Cainozoic deposits.		For the DMR Corinna crossing drilling, Turner states that logs and cores are held by the DMR.	UR1993_20
Pickands Mather	1967	Savage River (ne of EL)	First company to exploit the iron ore deposits of the Arthur Mobile Belt				97-4074
MRT	1970	Corinna district	Report: Geology & genesis of silica flour and gold in the Corinna district, western Tasmania, by Zaw, Turner, Large, Nolan & Mernagh.		Silicified dolomite, Au in situ, not transported. Silicifying fluids likely to be magmatic (post-orogenic Devonian granite), altho poss some metamorphism as well.		GSB70_9 6
MRT	1970	Arthur Mobile Belt	Report: Geology & prospectivity of the Arthur Mobile Belt, by Turner, Botttrill, Crawford & Villa.		Describes the setting of the AMB and outlines the styles of mineralisation (incl Alpine).		GSB70_2 27_233
Esso	1973	NW Tas, Arthur lineament	EM (Input), mag, rad airborne survey, 1609m fls (1 mile), 120m fh (400ft), with some infill. Rockchip samples x 12 (Cu, Pb, Zn, Co)	EM & mag targets defined. 42 EM targets considered/checked.			73-0964
Esso	1974	NW Tas, Arthur lineament	Assessment of EM (Input) & mag anomalies, geol interp map	Interp of EM & mag targets.			74-0987
IMI (Savage Res)	1978	Part of SE of licence	Geochem ssed: Cu, Pb, Zn, Ag (in MI db)				78-1268

MRT	1982	North-western Tasmania	Aeromagnetic survey - 400m fls?	Geophysical anomalies defined.			
IMI (Savage Res)	1984	Timbs Ck, on east side of EL.	Ssed x 306 (not in MRT db)	High Cu, Pb, Zn values in upper Timbs Ck, over mag anomaly.	Diamond search: may be locational problems with old records, may have come from tertiary gravels.		84-2108
IMI (Savage Res)	1984	Timbs Ck, on east side of EL. Batty's Bend on Savage R & Longback Ck in nth of EL.	Timbs Ck grid: soil x 155 (Cu, Pb, Zn, Ag, Ni, Co, Bi, Mo, Mo, As, Ba, Au, W, Te, Sb); Silver Anom grid: soil x 31, three lines to test Ag @ 240ppm with assoc Cu, Pb, Zn. Batty's Bend As & Pb/Zn anomaly. Longback Ck Os abundance. Diamond search.	High Cu, Pb, Zn values in upper Timbs Ck, over mag anomaly.	Silver grid Ag anom is vein implied/structurally controlled.		84-2262
Geopeko	1984	In EL, west of Silica ML	Mag anom's: Don1, Don2, two lines of power auger C horizon soil samples (Cu, Pb, Zn, Ag, Fe, Sn, W, Ba).	Max: Cu 250ppm, Pb 55ppm, Zn 190ppm.	Disappointing results, conclusion: mag anom's caused by magnetite in shale.		84-2153
CRA	1985	Outside EL to the north. Alert Ck, Blackwater Riv, Red, White, Electric Blue, Wallaby, Ruby, Rose Blue, Green, Salmon Riv, Frankland Riv, North Arthur prospects.	Ssed, rchip, soil grids (Cu, Pb, Zn, Ni, Co, Fe, Mn, As, Ag)			Some similar geological terranes to Bowry/Arthur lineament	85-2336
Geopeko	1985	In the north of licence, Longback.	Aeromag anom Longback drilling: Longback1: 302m, dec -50, Az 322mag; Longback2. Ssed, Soil geochem C grids (Cu, Pb, Z, As, Fe, Sn, W, Ba), no sample location plan. No ground mag evident.	Longback1: not encouraging, max Cu: 150ppm, Zn: 155ppm. Soil results: max Cu: 115ppm, Pb: 40ppm, Zn: 90ppm	Longback1 not encouraging, concluded that mag was due to syngenetic pyrrhotite. Longback2 not encouraging, concluded that mag was due to magnetic amphibolite & pyrrhotite in sltst.	Exact location of dh and soil grid are uncertain as reports show the dh to lie 500m south of the mag peak, and the soil grid to cover only the se of the mag anom.	85-2364
Abignano	1985	Interview River/Kenny's Adit/vein. NW side of EL. See comments.	DDH1, DDH2 assays. Au, Cu, Mo, Sn, W	DDH1: Alteration in lwr parts of hole, max Sn 0.04%, W 0.08%, Cu 0.098%(.8m), Au 0.13g/t (2.5m); DDH2: Alteration in lwr parts of hole, max Sn 0.09%, W 0.09%, Cu 0.52%(.5m), Au 0.06g/t.		Considered sub-economic in 1985. Drill hole locations in MRT db appear incorrect , holes are estimated to be approx 11000m further west & 4000m further north. There are no co-ords, in text or on plan, in this rpt.	85-2507

CRA	1985	Bowry Fm, Alpine prospect (in EL 46/2003)	Soil geochem, ground geophysics, DH AP01 & AP02 drilled to test Cu soil anomaly	DDH AP1 returned 12.75m @ 0.24% Cu from metasedimentary schist and meta-igneous schist containing semi-massive, magnetite-rich and pyrite-rich bands. DDH AP2 intersected similar rocks and returned 27.4m averaging 0.53% Cu. Au to 0.105gpt was also assayed.		Bowry Fm	85-2335
EZ/Savage JV	1986	Batty's Bend on Savage River in nth of EL	Grid cutting, geol mapping, soil geochem - rchip x 42 (Cu, Pb, Zn, Fe, Mn, Ag); soil (wacker).	Rchip: two Cu anom, 580 & 900ppm, one Zn @ 410ppm, dolomites had gen low values. Soil anom on fault Cu 150ppm, Pb 2750ppm, Zn 285ppm. Wacker prog has outlined an amphibolite/phyllite sequence with anom Cu, Mn & weak Zn, chalco sighted.	Transported soil cover a poss prob for soil assay interp.	Nth end of grid not sampled due to deep gravels.	86-2611
EZ	1986	Small area of Bowry Fm & Lucy Fm in extreme se of licence, incl ne of Alpine. Lucy Ck block outside EL to east.	Cu/Au expln. Grid cutting, geol mapping, historic expln work (p13)			Greater area held by Bass Metals & Pioneer Nickel	86-2614
MRT	1986-88	Western and NW Tasmania	Various geophysical interpretation rpts by Bishop/Leaman/Richardson/Lewis, for magnetics, gravity & EM, outlining granites and structures. Studies on mineral deposits.	Interps with plans.			GSB66, MRVGP1, MRVGP2, MRVGP3, MRVGP4, MRVGP5, MRVGP7, MRVGP8, MRVGP9, MRVGP10, 02-4815
EZ/Savage JV	1987	Batty's Bend on Savage River in nth of EL	Grid extended past mapped min, geol mapping, soil geochem - rchip x 7 (Cu, Pb, Zn, Fe, Mn, Ag); soil x 74 (65 assayed for Cu, Pb, Zn, Fe, Au) by hand auger.	Cu/Mn (Zn) anom extends as far as extension edge. Rchip: none anomalous; Soil max Cu 230ppm, Pb 40ppm, Zn 145ppm, Mn 6650ppm, Au bld except for two low values.	Recommended no more Au expln, instead 'Beshi' style Cu/Zn.		87-2756
EZ	1987	Bowry Fm, Lucy Ck block just outside EL to east.	Cu/Au expln. Geochem grid rockchip x 270 (Cu, Pb, Zn, Au, Fe, Mn, Cr, Ni & some Ag, Co, Bi, As, Sb); ssed x 30, Pcon x 29, limited grnd mag.	Rchip: Cu, 8 anomalous (175-3200ppm) on Batty's Bend Fm. Au downgraded - poor results (max rchip Au 0.033ppm)			87-2734
Geopeko	1987	Corinna silica deposits area	Silica flour genesis study, geol interp.		Aeromag lows host silica	Rpt by Large, Nolan, Turner	87-2655
Geopeko	1987	Corinna silica deposits area	Silica flour/Au potential rpt			General rpt	87-2776

Geopeko	1988	Brookside gold prospect	Geol mapping, ssed, rchip, soil grids (Cu, Pb, Zn, Ag, As, Au)	Rchip: Anom Cu, 115-420ppm, As 2-1500ppm in py mudst on mudst/dolo contact; soil: one anom sample of crystalline Au, Au 630ppb, As 180ppm, Cu 575ppm.			88-2787
Geopeko	1988	Longback area anomalies	Regional geol, rchip, ssed			Geol mapping by J G Purvis	88-2800
Geopeko/ National Mineral Sands	1988	Ahrberg Bay in extreme sw of licence	Shallow auger lines x 2 for min sands, detailed rpt			Detailed rpt	88-2813
Nolan	1988	Guthrie Ck nr Savage River	Silica & gold expln, Ssed x 5	Sample DPC101 v minor Au, waterworn, with minor py, chalco, arsenopy	Au of tert gravel origin, sulphides pos local		88-2887
Cominex/Nolan	1989	Brookside gold prospect & Ahrberg Hill (centred on Corinna)	Rchip x 18, soil x 1 (Cu, Pb, Zn, Ag, As, Au)	Rchip: max Cu, 1450ppm, Pb 1100ppm, Zn 3100ppm			89-2934
Aberfoyle/ Nolan	1989	Brookside gold prospect	Diamond drilling x 5 at Brookside. BRK1 - BRK5			Rpt 90-3106 is restricted, and therefore unavailable. No data on drilling available.	90-3106, UR1993_20 & MRT Doris db
EZ	1989	Eastside grid, east of Silica ML	Au expln. Geol mapping, geophysics (mag & grav review by Leaman), rchip (Cu, Pb, Zn, Fe, Mn, Bi, As, Au), ssed	Geochem disappointing, Au over dolomite had detectable values (one at 0.008ppm) with anom As			89-2959
Aberfoyle/ Nolan	1989	Newdegate Ck, Hoyle Ck in sw of licence	Brookside-style Au min expln. Rchip x 3 (Cu, Pb, Zn, Ag, Au, As, Hg), ssed x 21, geol.	Rchip max, Cu 230ppm, Pb 25ppm, Zn 135ppm, Au, As, Hg not anomalous; ssed generally disappointing, Sn 3 >300ppm in Hoyle Ck watershed, max 1750ppm (from tert gravel?). Some stratabound py/aspy min encountered on Arthur lineament at Hoyle Ck.		Expln limited by thick veg'n and poor track access, most prospective area not reasonably tested. Ssed's are in MI db (MRT), rchip data not captured.	89-3015
Aberfoyle/ Nolan	1989	Guthries Ck, unnamed Ck, None-Such Ck, 5km nth of Corinna.	Rchip x 9, ssed x 8	Rchip, Guthries & unnamed Ck, weakly anomalous Au (11ppb) site of crystalline panned gold; ssed generally disappointing, one "pseudogossan" @ 1850ppm Zn (supergene?), None-Such Ck has unexplained cassiterite xl.			89-3066
New Holland	1989	South-east cnr of licence and north	Review of geophysics, gravity & magnetics, with structural interp, by Leaman	Structural interp			89-2911
EZ	1989	Arthur lineament north of Corinna	Review of geophysics, gravity & magnetics, with structural interp, by Leaman	Structural interp			89-2959

Aberfoyle/ Nolan	1990	Elizabeth Ridge, Whyte, Middleton and Sailors Ck's & Jarman Ck, Womble Ck sth of Corinna Rd in SE.	Brookside-style Au min expln. Rchip x 34 (Cu, Au, As, Sb, Hg, Zn), ssed x 23 (Cu, Pb, Zn, Ag, Au, As, Ba, Sb, Sn, Hg), geol mapping.	Rchip, Fogarty's Ck, As 160ppm, Au 0.035ppm, Zn to 1400ppm in pyritic silic dolomite. Py min close to mudst/dolo contact, but no precious metals. Ssed disappointing, one Au anom. Jarman Ck, rchip Zn to 1800ppm, Womble Ck As max 1150ppm. Middleton, Whyte & Sailors Ck results disappointing. Whyte Ck anomalous with Au 0.298, 0.06ppm, Sn 80ppm (tert gravel contam?). Area is mineralised, py with minor chalco in silic dolomite.	Not a Brookside-style Au prospect, altho area is mineralised. Py with minor chalco in silic dolomite.		90-3108
Aberfoyle/ Nolan	1990	Brookside JV	For crystalline Au in dolomite. Fluid incl study, petrology, rockchip low level Au analysis x 24 from dolomite, Logging and assaying of prior MRT silica flour deposits drilling (3 holes, MRT 1990), coregrind for Cu, Au, As, Sb, Hg, SiO, CaO.	Rockchip results disappointing - no correlation with Au/dolo/silica. Drilling: DDH1/2 (75.12m): silica flour, silic/dolo, volc mudst/shl from 57m; DDH3 (79.68m): as for DDH1/2, but no volc's, minor dissem py? Analysis results disappointing - none anomalous, one high Cu (1313ppm) considered as contamination, next highest Cu 122ppm.	Brookside anomalous soil Cu, Au, As, Sb & Hg remains unexplained- possibly from a distant source- early stage silica/carb veining may have transported the crystalline Au. An "Au-poor" hydrothermal system.		90-3191
Outokumpu	1990	Bowry Fm, Reece Dam to Owen Meredith River (outside EL to the east)	To test Bowry Fm 'ironstone lodes'. Owen Meredith grid cut, ground mag.				90-3118
Outokumpu	1991	Bowry Fm, Reece Dam to Owen Meredith River (outside EL to the east)	TEM survey, geol mapping, Rchip (x 32) & Soil (x 409) for Cu, Pb, Zn, Ag, Fe, Mn, Au, Ba, Y, La, Ti, Mg, Ca, Na, K, Mo, W. Ssed (x 15).	Geol: massive ironstone with some pyrite. Iron about 70%, with low base metals & Au. Rockchip: Cu/Au anomalism found at Doctors Ck (banded ironst), Au to 0.03g/t, Cu to 0.5%, overlying pyritic qtzite anomalous Au to 0.08g/t, Cu to 0.4%. A "thin lens of gossany, silicious sintery material after pyrite" within amphibolite up to Au 0.06g/t, Cu to 800ppm, otherwise Cu, Zn rarely >300ppm, Pb usu <10ppm. Soil: spot anom's Au 0.19 - 0.37g/t unexplained, Cu to 700ppm, Zn to 515ppm. TEM did not disclose any obvious large bodies near to surface.	Massive ironstones barren, while banded ironst has a low background Cu/Au, mostly not anomalous. Background prob from py.	TEM over Alpine and Owen Meredith grids.	91-3256, 91-3269
Fodina	1993	Bowry Fm, Reece Dam to Owen Meredith River (outside EL to the east)	Grid extension, geol mapping, ground mag, Rchip (x 17) & Soil (x ?) & Ssed (x 7) for Cu, Pb, Zn, Ag, Au, As, Sn, Bi, W.	Ssed: Bounds & Tandy Cks area: anom Au to 4.88ppb, Cu to 50ppm; Soil: Sporadic Au/As anom's to 0.061ppm Au in schists east and west of Bowry Fm, Cu max 344ppm, Zn max 654ppm.			93-3435
Fodina	1993	Bowry Fm, Reece Dam to Owen Meredith River (outside EL to the east)	Owen Meredith grid geochem data interp	Ssed results interpreted as a normal background for the ironstone rocks.	Concluded that Cu/Au is assoc with an ironstone/magnetite bearing schist, and is at background levels only.	Relinquishment rpt.	94-3566

MRT	1993	Corinna silica mine area	Report: Drilling at the silica mine and elsewhere around Corinna, by N J Turner. Corinna drilling: BH1A, BH2(sth pit), BH1 (nth pit)	Southern pit holes show that the silica flour passes down into silicified dolomite, and after leaching of the dolo, the silica remains. In the northern pit no dolomite was encountered, however breccia textures sim to those in the southern pit are noted. A chloritic mudstone underlies.		Informative general report on drilling	UR1993_20
MRT	1993	Corinna district	Report: General features and chemical analyses of mafic and other rock, Corinna geological map quadrangle., by N J Turner, Crawford.			Study of selected rocks and geology for area.	UR1993_23
EZ, Geopeko, Savage	1994 comp'n	Corinna licence area and district	Compilation of 60 plans from prev reports. Geol, aeromag, grd mag, geochem				94-3619
Goldstream/Titan	1996	Arthur lineament covering Corinna EL	For Proterozoic iron fm hosted Au. Regional geol.			First rpt.	96-3821
Goldstream/Titan	1996	Bowry Fm, Lefroy Ridge (in Corinna & Hangman's Ck EL's), (Lucy Spur, Rocky River prospects, outside EL)	Lefroy Ridge drilling x 2,(in Hangman's Ck EL), LREDDH1 (south), LREDDH2 (north), dh EM; district ssed for Au, Cu, Pb, Zn, Ag, As, Sb, Mo, Bi, Sn, W. Aeromag interp by Leaman.	Drilling: LREDDH1 (200m): chlorite schist and rel massive metabasalt with dissem magnetite. Best assays: Au 0.129ppm, Cu 2679ppm at 153-154m, Au 0.155ppm, Cu 238ppm at 77-78m; LREDDH2 (203m): magnetite bearing metabasalt for first 140m. Best assays: Au 0.16ppm, Cu 77ppm at 180-181m. Ssed max: Cu 24ppm, Pb 8.25ppm, Zn 46.3ppm.		N J Turner rpt.	97-4108
Goldstream/Titan	1997	Arthur lineament covering Corinna EL. Bowry & Lucy Fm, Pieman River, Whyte River (in EL), Brown's Plain & Paradise River (outside EL to east)	Aeromag survey flown, 50m fls, 40m fh covering Bowry & Lucy Fm; Pieman River, Whyte River, & Brown's Plain, Paradise River ssed x 115. Gold study by Kitto.	Geophysical anomalies defined.		N J Turner rpt.	97-4074
Goldstream/Titan	1999	Bowry Fm, Lefroy Ridge (in Corinna & Hangman's Ck EL's), (Lucy Spur, Rocky River prospects, outside EL)	Lefroy Ridge grid lines along Bowry mag trend, rchip x 11, soil x 110 for Au, Cu, Ag.	Soils over amphibolite, mafic schists & muscovite schists. Au BCL range 15-20ppb, Cu BCL range 24-30ppm.	Considered normal for the rock types, and not really anomalous. Some mildly anomalous values of around 80ppb Au, 140ppm Cu.	N J Turner rpt. Soil data captured.	99-4261
MRT	2000	Western Tasmania	Aeromagnetic survey - WTRMP - 200m fls			Open-file	

Stellar Resources Ltd	2007-9	Corinna licence area - Arthur Lineament	Data collection from MRT open-file reports; map compilation (MapInfo) by A.M. Rigg; geophysical/geological interpretation (in conjunction with Hangman's Creek licence and northern Heemskirk licence areas) by Dr D.J. Isles, with target zone definition; geological analysis by Gus Bravo with target zone definition.	Target zones defined from geophysical/geological modelling and analysis. No field work undertaken. Five 'prospective' areas interpreted (see AR2008).	The tenement was primarily pegged due to possible Alpine Project (EL 46/2003) analogues but as Alpine has not achieved economic status this target type has been down rated. The silica markets have become depressed, reducing the value of silica exploration on EL 44/2006. Public perceptions of, and permitting for, exploration has also become sensitive due to Tarkine Wilderness issues.		AR2007, AR2008
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