

| EL49/2004 Rayne - NE of Licence - adjacent to the Cuni/Melba Flats Area | | | | | | | |
|---|---------|---|---|---|---|---|---------------------------|
| Company | Year | Location | Activity | Results | Conclusions | Comments | Report |
| Rio Tinto | 1960 | Dunkley Mag High | Ground mag, soil geochem, Cu, Pb, Zn (32 samples) | Grnd mag profile, uninteresting soil assays, Cu to 125ppm, Zn to 250ppm | | | 60-0311 |
| EZ | 1965 | Melba Flat Grid, east of licence | Soil geochem | | | CRA notes that EZ geochem data is probably lost/destroyed. | 68-0537, 71-0811, 73-0965 |
| Renison | 1973 | Dunkley Grid, nth of EL | Ground mag, geol mapping, IP | | | No geochem | 74-1047, 80-1491 |
| Renison | 1975 | Argent grid, just NE of licence | Geochem, IP, grnd mag, geol | | | | 77-1234 |
| CSR | 1980 | NE of Zeehan, Melba Flats/Cuni area, abutting EL49/2004 eastern boundary. | Four lines of soil geochem | Patchy/isolated minor geochem anom's for Cu, Pb, Zn, Ni. | | | 82-1684, 80-1417 |
| CSR | 1983 | NE of Zeehan, Melba Flats/Cuni area. | Melba Flats/Cuni area stream sed survey | | | | 84-2157 |
| Amoco | 1983 | Sassafras area, central east of licence | Gravity survey | | | | 83-1998 |
| Renison | 1983 | Dunkley Fault area, in ne of licence | Grnd mag | Area A, mag anom defined | | | 85-2450 |
| Renison | 1983 | Dunkley Fault area, in ne of licence | EM | Anom definition | | | 85-2450 |
| Renison | 1983-85 | Dunkley Fault area, in ne of licence | Geol mapping, soil geochem grid (C hor bedrock), grnd mag, UTEM, VLF EM. | Geochem anomaly B defined, A on the NW of the Dunkley Fault Grid. Cu, Pb, Zn, As; anomaly C defined, Pb, Zn, Cu; Cu to 950ppm, Pb to 430ppm, Zn to 1680ppm, Ni to 470ppm. | | N. Poltock, power auger & wacker bedrock (C hor). | 85-2450 |
| Renison | 1984 | Anomaly B. NW side of Dunkley Fault grid | Infill and extension of gridding. Geochem (Cu, Pb, Zn, Sn, As, WO, Bi, (& Mo, Sb, Ni for some), grnd mag. Drill testing proposed. | Weak erratic geochem trends north | Potential exists for carbonate replacement min, sim to RMS. | A proposed drill hole on geochem anomaly B was never drilled. | 85-2450 |
| Renison | 1984 | Anomaly C, in NE of Dunkley Fault Grid | Geochem infill over weak mag anom (Cu, Pb, Zn, Sn, As, WO). | Anomalous in Pb, Zn and lesser in Cu, low Sn | Junction of Success and Crimson Ck rocks | | 84-2204, 85-2450 |

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| Renison | 1984 | Dunkley Fault area, 750m south of north boundary of licence. | Diamond drilling, S1200 Argent (598m, -64 to -39 dip, 262 az), to test ultrabasic body magnetic target. Anomaly A. | Unaltered CCS rocks, interbedded arenaceous greywacke, tuff, siltstone. Some chloritisation below 300m, some sparse py min. At 390m 1.3m breccia, poss. basic dyke, no mag sus. No signfic mag sus dh. No EM response over mag. | Geophysical model did not match, intersected geology. A narrow pyrr source may have been missed. Source 150m below dh eoh, 600 - 700m below surface, for stratabound carbonate orebody. Mag anom due to hornfelsing over granite cupola, 400 - 500m below surface. | IP over site, 1985. No further work was undertaken. No geochem assays on core. No record of where core is stored. S1200 is shown incorrectly in MRT db as being north and outside of EL. No DHEM data found. | 85-2450, 86-2584 |
| Renison | 1984 | Not relevant. Dunkley Fault area, in Renison Bell ML, 90m inside nth boundary of licence | Diamond drilling, S1207 Argent (658m, 90 to 84 dip, 347 az), to test for Renison Mine Sequence carbonates min. | Volcanoclastic greywacke, siltstone, mudstone. Alt gabbroic intrusion 110 - 121m, tr pyrr, py, sph, gal. Fault at 282m. Two gabbroic intrusives intersected; at 33m 0.7m @ 0.54% Pb, 1.64%Zn & at 442m 1.0m @ 0.16% Pb, 1.73%Zn; from 493m a 23m fault zone, partially mineralised incl. 1m @ 0.23% Sn, 0.71% Zn, 0.13% Pb; none assayed for Ni; did not intersect Renison Mine Sequence carbonates. | | This hole is incorrectly located in the MRT db. It is correctly located 3km east, and well outside the Rayne licence. See p434. No Ni assays done. No record of where core is stored. An accurate position for this hole cannot be confirmed, no clear plan found. No DHEM data found. | 85-2450 |
| Renison | 1985 | Dunkley Fault area, 750m south of north boundary of licence. | Diamond drilling, S1200 Argent (598m), DHEM (EM37) | Disappointing. Solo Geophysics did DHEM to in Dec 1985 to 528m (of 598.7m) where the hole was blocked. | In-hole source, prob sparse pyrr min at 219-222m. | No detailed report or data found. | 87-2686 |
| Renison | 1985 | Not relevant. Dunkley Fault area, in Renison Bell ML, 90m inside nth boundary of licence | Diamond drilling, S1207 Argent (658m), DHEM (EM37) | DHEM to 537m (of 658m) where the hole was blocked | | No detailed report or data found. | 86-2605 |
| CSR | 1985 | NE of Zeehan, Melba Flats, Cuni | Cuni mag survey, (100m fls, 105m fh), mag, rad | Targets defined | | | 86-2584 |
| Renison | 1985 | Dunkley Fault Grid | DH S1200, DHEM (EM37) | Disappointing. Hole blocked at 528m. | Prob sparse pyrr at 219-222m. In-hole source. | No detailed rpt or data found. | 87-2686 |
| Renison | 1985 | Dunkley Fault area, 750m sth of northern licence boundary | Follow-up of DH S1200, ground EM (UTEM) | Failed to define cause of mag anomaly. | Complex geophysics with three sources. Source of mag 'bulge' not known. Source if pyrr, >250m below surface, beyond EM penetration | | 85-2450 |
| Renison | 1985-86 | Tallowwood and Cheesewood grids area, abuts Dunkley Fault grid in ne of licence | Geol mapping, soil geochem grid (C hor bedrock), grnd mag, VLF EM, grnd mag. | | | | 87-2686 |

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| CSR | 1986 | 6km NE of Zeehan, west of Melba Flats/Cuni, on the eastern boundary of EL49/2004 | DDH CG4 (226.7m) to test mag anom | Sandstone, tuff, siltstone, shale; 116m to 165m fine disseminated pyrr, pyrr, tr chalco, sphal; no mag sus evident. Assays for Cu, Pb, Zn, Ni, Bi, Ba, As, Sn, W (& some Au), No assays of interest. | East dipping shale unit has sufficient pyrr to explain mag anom. | Hole drilled eastward from the east side of EL boundary | 86-2584 |
| CSR | 1986 | East of site of DDH CG4 | Ground mag, wacker soil sample line 6550N | Assays for Cu, Pb, Zn, Ni, Bi, Ba, As, Sn, W, No encouraging results. Max: Cu 120ppm, Zn 195ppm, Ni 190ppm. | | | 86-2584 |
| CSR | 1986 | 7km NE of Zeehan, west of Melba Flats/Cuni, 900m east of eastern boundary of EL49/2004 | DDH CG5 (256m) to test mag anom, with follow-up e/w wacker soil geochem. | Shale, siltstone; py common, 110-139m disseminated pyrr, in sandstone, tr chalco, sphal, with weak mag sus response. Isolated higher assays only, max Cu 120ppm, Pb 2200ppm, Zn 3900, 3500, 5800, 1100ppm. | | | 86-2584 |
| RGC | 1989 | Zeehan Area, whole of licence | Zeehan Area helimag survey, (150m fls, 117m fh), mag only | Targets defined | | | |
| CRA | 1993 | NE of Zeehan, Melba Flats | Zeehan Area mag survey, (100m fls, 100m fh), mag, dtm, EM | Targets defined | | | |
| CRA | 1994 | Melba Flats incl. east 1km of EL | Geol mapping | Map | | | 96-3884 |
| CRA | 1995 | Melba Flats area 1km east of EL | Ground mag, EM | Targets defined | | | 96-3884 |
| CRA | 1995 | Melba Flats area 1km east of EL | Rock chip & soil geochem | | | | 96-3884 |
| CRA | 1995 | Melba Flats area 1km east of EL | DH plots | | | | 96-3884 |
| CRA | 1995 | NE of Zeehan | Zeehan Area 2 Helimag survey, (80m fls, 32m fh), mag only | Targets defined | | | |
| CRA | 1995 | NE/west of Zeehan | Zeehan Area 4 Helimag survey, (80m fls, 32m fh), mag only | Targets defined | | | |
| MRT | 2002 | Western Tas | WTRMP Mt Read Volcanics helimag survey (200m fls, 79m fh), mag, dtm, EM | Regional targets defined | | | |
| Stellar Resources | from 2005 | Whole of licence. | Acquisition and review of previous exploration reports and data, data capture & mapping. Incl. Renison & MRT reports. | Database established, mapping and reports. Targets defined/established. | | | |

| EL49/2004 Rayne - Parting Lake Area | | | | | | | |
|-------------------------------------|-----------|--|---|---|--|--------------------|------------------|
| Company | Year | Location | Activity | Results | Conclusions | Comments | Report |
| RGC | 1989 | Zeehan Area, whole of licence | Zeehan Area helimag survey, (150m fls, 117m fh), mag only | Targets defined | | | |
| RGC | 1989 | South-western side of Parting Lake, just outside of EL | Soil geochem grid, grnd mag, geol mapping | Weak Sn-base metal anomaly with no coincident mag anomalism. | Sn-base metal replacement or skarn min potential, pyrr retrograde replacement. | | 90-3200, 91-3309 |
| RGC | 1990-91 | Zeehan Area | MRT Gravity data interp by Leaman | Deep seated granite cupolas inferred, one near south end of Parting Lake grid | Any mineralisation would be deeper than Queen Hill | Lower order target | 91-3309 |
| RGC | 1992 | Parting Lake area nr Tasman-Crown Mine, just outside of EL | Diamond drilling, PL001 (673m), strat hole to test weak geochem and gravity target | Carbonates, trace sphal/galena at 492m | | | 92-3386 |
| MRT | 2002 | Western Tas | WTRMP Mt Read Volcanics helimag survey (200m fls, 79m fh), mag, dtm, EM | Regional targets defined | | | |
| Stellar Resources | from 2005 | Whole of licence. | Acquisition and review of previous exploration reports and data, data capture & mapping. Incl. Renison & MRT reports. | Database established, mapping and reports. Targets defined/established. | | | |

| EL49/2004 Rayne - EL General | | | | | | | |
|------------------------------|-----------|---------------------------------|---|---|-------------|----------|--------|
| Company | Year | Location | Activity | Results | Conclusions | Comments | Report |
| CSR | 1985 | NE of Zeehan, Melba Flats, Cuni | Cuni mag survey, (100m fls, 105m fh), mag, rad | Targets defined | | | |
| MRT | 1988 | Rayne to Dundas EL area | Gravity survey | | | | |
| RGC | 1989 | Zeehan Area, whole of licence | Zeehan Area helimag survey, (150m fls, 117m fh), mag only | Targets defined | | | |
| CRA | 1993 | NE of Zeehan, Melba Flats | Zeehan Area mag survey, (100m fls, 100m fh), mag, dtm, EM | Targets defined | | | |
| CRA | 1995 | NE of Zeehan | Zeehan Area 2 Helimag survey, (80m fls, 32m fh), mag only | Targets defined | | | |
| CRA | 1995 | NE/west of Zeehan | Zeehan Area 4 Helimag survey, (80m fls, 32m fh), mag only | Targets defined | | | |
| MRT | 2002 | Western Tas | WTRMP Mt Read Volcanics helimag survey (200m fls, 79m fh), mag, dtm, EM | Regional targets defined | | | |
| Stellar Resources | from 2005 | Whole of licence. | Acquisition and review of previous exploration reports and data, data capture & mapping. Incl. Renison & MRT reports. | Database established, mapping and reports. Targets defined/established. | | | |