

EL46/2003 Heemskirk - Alpine District							
Company	Year	Location	Activity	Results	Conclusions	Comments	Report
Rio Tinto	1957	West Coast Tas	Aeromag survey	Coarse regional magnetics			
Esso Australia	1973	North West Tas	INPUT (EM?) & aeromag survey. e/w, 880m fls, 133m fh.	Coarse regional EM & magnetics. Arthur lineament defined			74-0987
Esso Australia	1973	North West Tas	Heli-borne stream sed geochem & geol mapping follow-up			No recorded data	74-0987
ANZ Expln	1975	Copper Reward (MRT name). South of Alpine 2.5km	Regional stream sed. Cu, Pb, Zn, W	Assays: Cu to 70ppm, Pb to 80ppm, Zn to 2900ppm		There is another Copper Reward prospect, near the Interview River, north of the Pieman River. Occurrence not referred to as Copper Reward in report. Geologist: L Newnham	75-1141
ANZ Expln	1975	Duck Creek (not in MRT db). WSW of Alpine 4.5km	Regional stream sed. Cu, Pb, Zn, W	Assays: Cu to 30ppm, Pb to 100ppm, Zn to 520ppm		Geologist: L Newnham	75-1141
MRT	1981	West Coast	Aeromag survey, e/w, 500m fls, 150m fh. Mag only.	Broad scale magnetics		Picture	UR1983-35
CRAE	1982	West Coast	Computer analysis of regional stream sed data with Microgas.	Anomalous areas defined			82-1801
CRAE	1985	Red prospect, 3km west of Alpine	Target selected from 1981 aeromag survey.				86-2538, 89-3015
CRAE	1985	Red prospect.	Grnd mag	Target selection assisted. Anom defined			86-2538
CRAE	1985	Red prospect.	Genie EM (grnd)	Target selection assisted			86-2538
CRAE	1985	Red prospect.	Soil geochem grid.	Soil up to 100ppm Cu, 100ppm Pb, 400ppm Zn, semi-coincident with EM.			86-2538
CRAE	1985	Red prospect.	Drilling, PD85RP1 (92m, Az 0, Dip 0)	Carbonaceous dolomite, shale, mudstone. Py from 3% to 20%. Assays up to Cu 110ppm, Pb 45ppm, Zn 370ppm.	Surficial enrichment over dolomite. No further work warranted.	Local co-ords in rpt appear incorrect. Do not comply with mag/geochem anom. DH site moved to 'guestimated' locality by AMR.	86-2538
CRAE	1985	Alpine prospect	Geol mapping				86-2538, 89-3015
CRAE	1985	Alpine prospect	Grnd mag	Target selection assisted. Anoms defined		Compilation map, p133	85-2335
CRAE	1985	Alpine prospect	Genie EM (grnd)	Target selection assisted			85-2335
CRAE	1985	Alpine prospect	Soil geochem grid	Soil anom defined			85-2335
CRAE	1985	Alpine prospect	Auger bedrock sampling along main road for: Cu, Pb, Zn, Ag, Au, As, Fe, Mn, Ni, Co, Sn, W, Ba.	Some weak and scattered anom for Cu, Fe, Zn. Fe, Cu & Zn proximal to major mag features.			85-2335

CRAE	1985	Alpine prospect	DH AP1 (106.7m, Az 357, dip -65)	Geophysical (mag, EM)/geochem target tested. Marly metapelite banded with magnetite-py-carbonate-qtz ironstone, 12.75m @ ave 0.24% Cu. Au not assayed. Metased schist above ironstone, veins of py-carbonate 8.2m @ 0.04% Cu, 0.19% Zn.			86-2538
CRAE	1985	Alpine prospect	DH AP2 (85.8m, Az 0, dip 0)	Geophysical (mag, EM) target tested. Marly metapelite banded with magnetite-py-carbonate-qtz ironstone, 27.4m @ ave 0.53% Cu (est true thickness of 18m). A few Au assays, mainly bld, max 0.03g/t. Above the ironstone (as seen in AP1), 26m averaged 500ppm Zn.			86-2538
Aberfoyle	1989	Newdegate Ck, Hoyle Ck (3km west of Alpine, near Red Prospect)	Stream sed sampling	Disappointing. Newdegate Ck to 105ppm Zn (300ppm just outside EL), Hoyle Ck all low/nil.	No further work warranted.	Thick veg restricted access.	89-3015
Outokumpu	1990	Alpine prospect	Grnd mag survey. CRAE grid re-cut, infilled and extended.	Target selection assisted			91-3269
Outokumpu	1991	Alpine prospect	TEM survey (four loop GDP-16). CRAE grid re-cut, infilled and extended.	Target selection assisted			91-3269
Outokumpu	1991	Alpine prospect	Geol re-interp (Dr. Stolz)		See page 10-15		91-3269
Outokumpu	1991	Alpine prospect	Re-logging, mag susc measurement, selective sampling and assaying of CRAE DH AP1 & AP2.	Target selection assisted			91-3269
Outokumpu	1991	Alpine prospect	Selective sampling and assaying of CRAE DH AP1 & AP2. Ironstone intersection assayed for 25 elements.	Fe: 30-60% related to qtz gangue; Mn: 710-6600ppm; Ti: 30-340ppm; Ca & Mg: up to 5.5%; Co: 85-650ppm; As: 50-230ppm in py-carb veins, low in ironstone; Ag: up to 1g/t in ironstone, up to 3g/t in py-carb; Cu: up to 1.5% in py rich ironstone; Au: low in ironstone, 80-108ppb in py-carb; Pb: low in ironstone, up to 400ppm in py-carb; Zn: 100-250ppm in ironstone, 300-16500ppm in py-carb. Zr, Y, La, Na, K, Ni, Cr, Bi, Sn, W, Mo all low.	"The banded felsic/mafic qtz-alb-chl-(carb) schists of AP2 appear broadly similar to rocks which enclose banded siliceous ironstones of the Doctor's Ck - Owen Meredith area to the north...."	91-3269	
Fodina	1992-94	Alpine prospect and north extn of Bowry formation.	Interest in the Bowry formation for IOCG min.			Management transferred fom Outokumpu to Fodina (subsidiary of MPI Ltd) in 1992.	94-3566
Fodina	1992-3	Alpine prospect and north extn of Bowry formation.	Stream sed sampling for Ag, As, Au, Bi, Cu, Pb, Sb, Sn, W, Zn	Around Alpine: Cu to 44ppm, As to 17ppm, Au to 1.72ppb; North of Alpine to Lefroy Ridge: Cu to 49ppm, As to 4ppm, Au to 2.8ppb.	Anomalies reflected elevated backgrounds for the rock types, and not actual mineralisation.	No work done on Alpine. Relinquished.	94-3566
AGSO	1996	Arthur-Pieman district	1996 (AGSO P652) Aeromag, rad, dtm survey, plane, e/w, 200m & 100m fls, 96m fh				
Goldstream/Titan	1996	Bowry formation to the north, & including Alpine prospect in the south	Detailed helimag survey, mag only (1996 Corinna), e/w, fls 50m, fh 40m.				97-4074
Goldstream/Titan	1996	Lucy Formation, Lefroy Ridge East to the north	Stream sed sampling for Ag, As			Geologist: Nic Turner	97-4074

Goldstream/Titan	1996-97	Lucy Formation, Lefroy Ridge East to the north	Stream sed sampling, assays for: Ag, As, Au, Bi, Cu, Mo, Pb, Sb, Sn, W, Zn.			Geologist: Nic Turner	97-4108
Goldstream/Titan	1997	Lucy Formation to the north, incl Lefroy Ridge East.	Geological mapping.			Geologist: Nic Turner	97-4108
Goldstream/Titan	1997	Lucy Formation to the north, incl Lefroy Ridge East (just within SRZ Lefroy Ridge East EL applic area). None in Alpine prospect area.	Drilling in Lefroy Ridge East mag anomaly (magnetite rich Lucy Formation), LREDDH1 (203m, Az, 102, dip -50), LREDDH2, (203m, Az 228, dip 50). Downhole Crone EM for LREDDH2. Assays: Ag, As, Au, Bi, Cu, Mo, Pb, Sb, Sn, W, Zn.	Both holes into clorite schist, massive metabasalt with dissem magnetite. LREDDH1: best assay 0.129ppb? Au, 2679ppm Cu @ 153-154m & 0.155ppb? Au, 238ppm Cu @ 77-78m; LREDDH2: best assay 0.167ppb? Au, 77ppm Cu @ 180-181m.		Geologist: Nic Turner	97-4108
Goldstream/Titan	1999	Lucy Formation, Lefroy Ridge East to the north	Extended stream sed sampling, assays for: Ag, As, Au, Bi, Cu, Mo, Pb, Sb, Sn, W, Zn.	Subtle anomalism for: Ag, Cu, Sb, Pb, Zn.	Au derived locally from a source within the aeromag anom (Lucy Fm).	Geologist: Nic Turner	99-4261
Goldstream/Titan	1999	Lucy Formation, Lefroy Ridge East to the north	Rock chip sampling, assays for: Ag, As, Au, Bi, Cu, Mo, Pb, Sb, Sn, W, Zn.	Nothing of interest		Geologist: Nic Turner	99-4261
Goldstream/Titan	1999	Lucy Formation, Lefroy Ridge East to the north	Soil sampling, three lines (4km) 0ver most intense mag anom. Assays for: Ag, As, Au, Bi, Cu, Mo, Pb, Sb, Sn, W, Zn.	Not really anomalous, only mildly for: highest Au 80ppb, Cu 140ppm.		Geologist: Nic Turner	99-4261
Goldstream/Titan	2000	Alpine prospect, adjacent to main road	Rock chip sampling	Strike of anom Cu/Au defined, continues to the west of the Zeehan Hwy. West side best Cu 6420ppm, Au 27ppb.		Geologist: Lindsay Newnham	01-4522.
MRT	2001	West Coast regional	WTRMP Area C aeromag, rad, dtm survey, Heli, e/w, 200m fls, 76m fh.				
Goldstream/Titan	2002	Alpine prospect specific	2002 Corinna, EM, aeromag, dtm survey, Heli, sse (158), 100m fls, 78m fh.(Hummingbird EM)	EM anom defined	Boyd questioned the positioning of the CRAE drill holes. Felt that it was unlikely that there would be further mineralisation to west or east of the CRAE holes.	Licence relinquished "no economic mineralisation discovered."	E43_94_2002_Final
Stellar Resources	from 2005	Whole of licence.	Acquisition and review of previous exploration reports and data, data capture & mapping. Incl rpts from CRAE, Aberfoyle, Cominco, Placer, Minops, Pickands Mather, ACI, "Consolidated Syndicate", ANZECO, Geophoto Resources, Goldfields/RGC, Geopeko, New Holland Mining, Outokumpu, Goldstream Mining and Titan Resources, & MRT.	Database established, mapping and reports. Targets defined/established.			
Stellar Resources	2006	Alpine	Diamond drilling: AP3, AP4 (152.8m vert), AP5	AP3 intersected sulphide mineralisation similar to AP4 but of an apparent lower tenor. AP4 intercepted 95m @ 0.46% Cu mineralisation from 57.7m to end of hole, including 22.25m @ 1.23% Cu from 65 metres. The hole finished in strong mineralisation (with the last sample of 1.2m assaying 0.39% Cu). AP5 was stopped short of target due to drilling problems.	The consulting geologist reported some 90 plus metres of continuously mineralised drill core – in both massive and disseminated sulphides which is encouraging for the potential for a large mineralised system.		
Stellar Resources	2006	Alpine	Diamond drilling: AP6 - AP8		No economic mineralisation encountered		
Stellar Resources	2006	Alpine North	Diamond drilling: AP9 - AP10		No anomalous geochemistry encountered		

Stellar Resources	2006/7	Alpine	Diamond drilling: AP11 - AP21		No economic mineralisation encountered	
Stellar Resources	Apr-08	Bowry Fm, west of Alpine, & south to Gourlay's Ck (337440 5378370, 339658 5373888, 335800 5370740, 333556 5375219, 337440mE 5378370mN, GDA94).	VTEM (mag, dtm) survey. Geotech Airborne Project 373. 15-16Apr08. 243 line km's. 100m fs.	VTEM analysed by J Silic. Two conductors defined. Hoyle Ck (336140mE, 5376810mN GDA94) in carbonates adjacent to the Fe-rich Bowry Fm, on the north side & Gourlay's Creek north near the interpreted contact between the Gordon limestone and the Gourlays Creek sequence (generally, 336200mE, 5373100mN GDA94).		Covered area from 1km west of Alpine, did not incl Alpine.

EL46/2003 Heemskirk - Gourlays Creek District							
Company	Year	Location	Activity	Results	Conclusions	Comments	Report
Rio Tinto	1957	West Coast Tas	Aeromag survey	Coarse regional magnetics			
Pickands Mather	1965	West Coast Tas	Regional reconnaissance stream sed. Cu, Pb, Zn, Ni, As, Sn	Base metals in district		General info	66-0439
ACM Ltd/ Renison	1972	West Coast Tas	Recon geol mapping, rock & stream sed sampling, to investigate Devonian granites environs				72-0876
Esso Australia	1973	North West Tas	INPUT (EM?) & aeromag survey. e/w, 880m fls, 133m fh.	Coarse regional EM & magnetics. Arthur lineament defined			74-0987
Esso Australia	1973	North West Tas	Heli-borne stream sed geochem & geol mapping follow-up			No recorded data	74-0987
ANZ Expln	1975	Gourlay's Ck/Vincent's Cu area.	Aeromag interp, from 1957 Rio Tinto survey. Gourlay's Ck anom targeted.			Geologist: J D Lockhart	75-1141
ANZ Expln	1975	Gourlay's Ck/Vincent's Cu area.	Regional stream sed. Cu, Pb, Zn, W	Assays: Cu to 40ppm, Pb to 110ppm, Zn to 1140ppm		Geologist: J D Lockhart	75-1141
ANZ Expln	1975	Gourlay's Ck/Vincent's Cu area.	Grnd mag grid over Gourlay's Ck anom.			Geologist: J D Lockhart	75-1141
ANZ Expln	1975	Gourlay's Ck/Vincent's Cu area.	Geol mapping over Gourlay's Ck/Vincent's Cu area.			Geologist: J D Lockhart	75-1141
CRAE	1980	Granville West (Gourlays Ck)	Selection of GE mag anom from 1957 Rio Tinto Aeromag survey, by Porter. Geol mapping, geochem.	Sn 15 to 40ppm assayed from rock chips.			80-1469
CRAE	1980	Granville West (Gourlays Ck)	Grid lines for geol mapping, grnd mag (through 'window' in tertiary basalt) & geochem (hand auger), assayed for Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn	Granville West: majority of Sn assays <4ppm (over magnetite rocks), some to 140ppm in py/qtzite. Cu to 290ppm assayed with Sn, Pb, Ag, Au < background. Tourmalinised granite and tourmaline bearing qtzite breccia observed.	Basalt eroded through to Oonah fm.		80-1469
MRT	1981	West Coast	Aeromag survey, e/w, 500m fls, 150m fh. Mag only.	Broad scale magnetics		Picture	
CRAE/Geopeko	1981	Pieman River to Granville Harbour area incl Granville East, Gourlay's Ck, St Dizier, Big Rocky	Airborne magnetometer survey, Geoex, G803, e/w, 250m fls, 135m fh.		Folded units interpreted	For Sn min with pyrr/magnetite. See p127	83-1962
CRAE/Geopeko	1982	West Tas regional	Review and computer analysis of all prev geochem data with Microgas.	Pos base metals halo in Granville Harbour area			82-1801
CRAE/Geopeko	1982	Gourlay's Ck	Grid extension, to encompass all mag character, & geol mapping	Intrep as two n/s striking, long, narrow, parallel bodies	Fold structure		83-1961

CRAE/Geopeko	1982	Vincent's Cu Prospect, 300m nth of GC; other outcrops from Vincents: 1/ approx 100m (a few chains) to the east, 2/ 120m (6 chains) ssw	Rock geochem, mapping	One malachite bearing sample: Cu 10.8%, 45.5ppm Ag;	Skarn, calcsilicate/magnetite rocks. Basalt eroded through to Oonah fm.	Discovered in 1908. Native Cu in creek bed. Abund magnetite, py, oxide mins. 1908 orebody assay Cu, trace, Zn 1.6%, Cu 1.9%, Ag 6.6 dwt/t, Au nil. Waterhouse (1915) (GSREP6)	83-1961
CRAE	1982	West Coast	Computer analysis of regional stream sed data with Microgas.	Anomalous areas defined			82-1801
CRAE/Geopeko	1983	Gourlay's Ck	Grid extension to south, Jacro power auger geochem over central window to C horizon. Soil & rock chip assays: Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn	C horizon assays usu greater that prev B horizon assays. Cu range 5ppm to 380ppm, Pb range 5ppm to 820ppm, Zn range 10ppm to 310ppm.			84-2097
CRAE/Geopeko	1983	Gourlay's Ck	Grnd mag on grid extn.		Mag anom expalined by vein magnetite, has weak Cu, Pb, Zn, Sn, W, Au geochem; no mag anomaly over carbonate horizon; carbonate is unaltered, therefore no skarn forming processes in this locality; no signif Sn or W soil anom's.		84-2097
CRAE/Geopeko	1983	Gourlay's Ck	IP survey over central window				84-2097
CRAE/Geopeko	1983	Gourlay's Ck	Stream sed assays: Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn				84-2097
CRAE/Geopeko	1983	Gourlay's Ck west	Summary geol, geophysics, geochem	No signif Sn or W soil anom's. Magnetite has weak Cu, Pb, Zn, Sn, W, Au geochem	Mag anom expalined by vein magnetite, has weak Cu, Pb, Zn, Sn, W, Au geochem; no mag anomaly over carbonate horizon; carbonate is unaltered, therefore no skarn forming processes in this locality.	Sparce outcrop over grid, geol from auger cuttings.	84-2097
CRAE/Geopeko	1983	Gourlay's Ck central window, incl Vincent's Cu	Summary geol, geophysics, geochem	Magnetite assays, average: Cu 144ppm, Pb 21ppm, Zn 96ppm, Fe 47%, Au 15ppb, Sn 28ppm. Oonah fm: pyrite min: up to 5% in silic qtzites; 2m thick bedded lode in one locality with weak geochem anomalism; vein style min carries higher Sn and base metals, pyritised metaquartzite up to: 400ppm Cu, 300ppm As, 983ppm Sn.	Encouraging results. IP points to abundant sulphide potential. Basalt eroded through to Oonah fm. Lithologies incl variations of: qtzites, cherts, hornfels, siltstones, carbonates, calcsilicates, schists. Magnetic sig due to banded magnetite lodes 1 - 2m thick which show as two parallel mag zones, stratabound.		84-2097
CRAE/Geopeko	1983	Gourlay's Ck southern window	Summary geol, geophysics, geochem	Only geol mapping of streams, drainage sampling, and surveying of all grid lines for tmi completed.			84-2097

CRAE/Geopeko	1984	Gourlay's Ck central window	Jacro auger soil sampling, UTEM survey, drilling GC1 (196m), GC2 (167m), GC3 (376m); extn of line 11000mN west to coast.	Geochem: discrete zone of high Sn, Cu, Zn. DDH GC-1 hit skarn with pyroxene magnetite. Max assay 1m @ 0.3% Sn with good Cu, Fe correlation, 4m @ 0.24% Cu, 2m @ 0.42% Cu, 3m @ 0.28% Cu; GC-2 hit massive magnetite and magnetite/py/barite, no Sn response, 3m @ 0.77% incl 1m @ 2.06% Cu; GC-3 (down-dip of GC-1) hit pyrrhotite (ex py), Sn @ 830ppm (at approx 161m), 4m @ 0.35% Cu, 4m to EOH @ 0.42% Cu.	calc-silicates. Has the appearance of a halo around a deeper well min body. Potential for skarn type min.		85-2339
CRAE/Geopeko	1984	Gourlay's Ck southern window	Jacro auger soil sampling contin, geol re-mapping on updated grid, IP survey on prev unsurveyed lines, extn of line 10600mN west to coast.				85-2339
Uni of Tasmania	1985	Gourlay's Ck	Thesis on the Geology of the Granville Harbour Area and Mineralisation in the Gourlays Creek Prospect. R.G. Norris	Central window, GC-1: most Sn in upper skarn horizon, Cu concentrated in the lower mineralised horiizon.			Norris 1985
New Holland Mining	1988	Heemskirk granite area	Geophysical/structural interp of MRT 1981 magnetics (& MRT gravity) by Leaman		Northern part of Heemskirk granite more conducive to skarn type min, esp around Gourlay's Ck.		88-2878
New Holland Mining	1989	Northern Heemskirk granite area	Infill gravity survey, Scintrex, 133 stns. Combined with MRT gravity data. Interp by Leaman.	Two n/s marginal granite spines and a broad shelf south of Duck Creek (ie Gourlay's/Granville East area).			90-3085
New Holland Mining	1990	Northern Heemskirk granite area	Relinquishment of main body of Heemskirk granite south of Granville Harbour		Northern part of Heemskirk granite more conducive to skarn type min, esp around Gourlay's Ck. Southern part considered unlikely to host significant min.	Relinquished remainder of EL in July 1990 due to "tenement access/exploration restrictions". Considered the area still prospective.	90-3085
MRT	2001	West Coast regional	WTRMP Area C aeromag, rad, dtm survey, Heli, e/w, 200m fls, 76m fh.				
MRT	2002	West Coast regional	WTRMP EM, 2002 Mt Read Volcanics, EM, aeromag, dtm survey, Heli, e/w, 200m fls, 79m fh.				
Stellar Resources	from 2005	Whole of licence.	Acquisition and review of previous exploration reports and data, data capture & mapping. Incl rpts from CRAE, Aberfoyle, Cominco, Placer, Minops, Pickands Mather, ACI, "Consolidated Syndicate", ANZECO, Geophoto Resources, Goldfields/RGC, Geopeko, New Holland Mining, Outokumpu, Goldstream Mining and Titan Resources, & MRT.	Database established, mapping and reports. Targets defined/established.			

Stellar Resources	May/June 2007	Central Gourlay's Ck	RC Drilling: SGR1: (GDA94) 336665mE, 5372396mN, depth 190m, Az 241, Dec 68.5; SGR2: 336687mE, 5372394mN, depth 100m, Az 61, Dec 73.0; SGR3: 336971mE, 5372566mN, depth 57m, Az 241, Dec 62.5; SGR4: 336905mE, 5372548mN, depth 172m, Az 241, Dec 61.5; SGR5: 336836mE, 5372545mN, depth 34m, Az 241, Dec 57.5; SGR6: 336772mE, 5372639mN, depth 88m, Az 241, Dec 62.0; SGR7: 336888mE, 5372021mN, depth 127m, Az 270, Dec 58.5.	Best results: SGR1, @75m 9m@ 0.4% Cu; SGR2, @93m 3m@ 0.3% Cu; SGR3, @44m 3m@ 1.4% Cu & @53m 4m @ 0.3% Cu.	The prospect is stratiform and hosted in a sequence of NW striking, NE dipping Proterozoic schistose meta turbidites, which can be sub divided into a western magnetite rich association with a probable basaltic component to the stratigraphy, and an eastern association dominated by calc silicate style alteration and including probable carbonate units in the stratigraphy. Patchy copper mineralisation and minor tin, gold and lead-zinc mineralisation. Best Cu intersections in high mag zone. The non-magnetic copper/gold play is under explored.	Most eastern hole SGR3, the best, was abandoned in mineralisation, due to masked dune sands jamming rods. Geo: Ken Morrison	AR2007
Stellar Resources	Feb/Mch 2007	North Heemskirk; western Bowry Fm and south to cover Gourlay's Ck, Granville East and St Dizier areas.	Aeromag survey: 50m fls e/w.	Aeromagnetics features definition improved over prior surveys.			AR2007
Stellar Resources	Apr-08	Bowry Fm, west of Alpine, & south to Gourlay's Ck (337440 5378370, 339658 5373888, 335800 5370740, 333556 5375219, 337440mE 5378370mN, GDA94).	VTEM (mag, dtm) survey. Geotech Airborne Project 373. 15-16Apr08. 243 line km's. 100m fls.	VTEM analysed by J Silic. Two conductors defined. Hoyle Ck (336140mE, 5376810mN GDA94) in carbonates adjacent to the Fe-rich Bowry Fm, on the north side & Gourlay's Creek north near the interpreted contact between the Gordon limestone and the Gourlays Creek sequence (generally, 336200mE, 5373100mN GDA94).		Covered area from 1km west of Alpine, did not incl Alpine.	AR2008

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Pickands Mather	1965	West Coast Tas	Regional reconnaissance stream sed. Cu, Pb, Zn, Ni, As, Sn	Base metals in district		General info	66-0439
Esso Australia	1973	North West Tas	INPUT (EM?) & aeromag survey. e/w, 880m fls, 133m fh.	Coarse regional EM & magnetics. Arthur lineament defined			74-0987
Esso Australia	1973	North West Tas	Heli-borne stream sed geochem & geol mapping follow-up			No recorded data	74-0987
Aberfoyle	1975	Donnelly's included. EL22/73	Airborne EM and Mag survey.	Anomalous areas defined			81-1597
ANZ Expln	1975	Donnelly's Nth area (not in MRT db). East of Granville East 2.3km.	Regional stream sed. Cu, Pb, Zn, W	Assays: Cu to 15ppm, Pb to 90ppm, Zn to 300ppm, W to 580ppm		Geologist: L Newnham	75-1141
CRAE	1980	Granville East	Selection of GE mag anom from 1957 Rio Tinto Aeromag survey, by Porter. Geol mapping, geochem.	Sn 15 to 40ppm assayed from rock chips.			
CRAE	1980	Granville East	Grid lines for geol mapping, grnd mag & geochem (bedrock), assayed for Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn	Granville East: Sn to 40ppm in sth	More work req		80-1469
Aberfoyle	1980	Big Rocky Ck	Ground mag traverse	Mag anom located, coincident with Sn ssed anom			80-1503
MRT	1981	West Coast	Aeromag survey, e/w, 500m fls, 150m fh. Mag only.	Broad scale magnetics		Picture	
CRAE/Geopeko	1981	Pieman River to Granville Harbour area incl Granville East, Gourlay's Ck, St Dizier, Big Rocky	Airborne magnetometer survey, Geoex, G803, e/w, 250m fls, 135m fh.		Folded units interpreted	For Sn min with pyrrr/magnetite. See p127	83-1962
CRAE/Geopeko	1981	Granville East	Recon ground mag				83-1962
CRAE/Geopeko	1981	Granville East	Detailed ground mag		Mag anom's, two types: pyrrr/mag skarn, & pyrrr black shales		83-1962
CRAE/Geopeko	1981	Granville East	Costeaming to expose Sn/magentite gossan			Used to site DDH1	83-1961
Aberfoyle	1981	Donnelly's gossan	Rock chip sampling	Sn to 40ppm, W to 845ppm, with coincident Cu to 3250ppm, Pb to 1750ppm, Zn to 2.6%, located nr mag anom's			81-1623
Aberfoyle	1981	Tasman River Zone	Grnd mag survey, geol mapping.	Grnd mag showed a broad mag anom open to the nth, noisy magnetic basalt masks response from underlying rocks. No outcrop of skarn or shale.			84-2087
CRAE/Geopeko	1982	West Tas regional	Review and computer analysis of all prev geochem data with Microgas.	Pos base metals halo in Granville Harbour area			82-1801
CRAE/Geopeko	1982	Granville East	Self Potential	Mostly sharp near-surface features	East dipping. Due to sulphides.		83-1961
CRAE/Geopeko	1982	Granville East	Infill ground mag				83-1962
CRAE/Geopeko	1982	Granville East	SIROTEM survey				83-1962

CRAE/Geopeko	1982	Granville East	Drilling, GE1 (156m)	4m @ 0.11%Sn, incl 1m 0.36% Sn. 85m calcsilicate/carbonate rock.			83-1961
CRAE/Geopeko	1982	Granville East	Drilling, GE2 (220m), GE3 (219.5m), GE4 (233m), GE5 (194m).	Mainly pyrr bearing black shale intersected. DDH2, no Sn, but pos Zn halo in pyrr/carb; DDH3., no Sn, but 50m calc/silicate/carb, mag sig not explained; DDH4, no signif Sn; DDH5, no signif Sn, 80cm of mass pyrr at horizon.	Mag anom's, two types: pyrr/mag skarn, & pyrr black shales	DDH1-3 drilled to test mag anom's over favourable Sn, Cu, Zn, As; DDH4 drilled to test high Sn geochem; DDH5 drilled to intersect mag horizon at depth	83-1962
CRAE/Geopeko ?	1982?	Big Toe mag anom, approx 1km to sw of main Granville East prosect.	Drilling, GE6 (107m), GE7 (127m), GE8 (219m).	Cannot locate any literature describing this work. Core is held at the MRT Mornington store.		The proposed sites of DDH6 & DDH7 are shown on p41 in rpt 83-1978. No other info is present. If the core exists it is held at the MRT Mornington store.	83-1978
CRAE/Geopeko	1982	Granville East	Soil sampling	Sn anom of > 20ppm, up to 2%, Cu to 1750ppm; Pb to 150ppm, Zn to 5900ppm, As to 2.7%.	Geochemically active horizons, due to folding & faulting.		83-1961
CRAE/Geopeko	1982	Granville East, 11000 (1.5km nnw), Big Rocky Ck (2km nne), Donnelly's, Big Toe, Silver Reward (loc'n uncertain, nth of 11000), Kingswood Ck.	Regional stream sed	Sn anom at SE end of Big Rocky Ck mag anom., weak Zn anom at same. Anoms near known skarn min.		Tertiary gravels may be contributing to high Sn values.	83-1978
CRAE/Geopeko	1982	Donnelly's & Tramway Ck anom adjacent to Big Rocky mag anom.	Regional stream sed	Donnelly's Ck: Zn to 65ppm; Tramway Ck: Zn to 17200ppm; As no correlation; other metals very weak.		Tertiary gravels may be contributing to high Sn values.	83-1978
CRAE/Geopeko	1982	Big Toe mag anom, approx 1km to sw of main Granville East prosect.	Regional stream sed	Sn on linear strike to 16400ppm		Tertiary gravels may be contributing to high Sn values.	83-1978
CRAE/Geopeko	1982	Kingswood Ck, nw of 11000.	Regional stream sed	Sn to 10200ppm.		Tertiary gravels may be contributing to high Sn values.	83-1978
CRAE/Geopeko	1982	Granville East	Infill soil sampling	Sn mainly low, but up to 250ppm, with high Cu; irreg high Cu, Zn (1.13% with coincident elev As, Cu, Pb)	Some v high Sn explained as secondary enrichment.		83-1978
CRAE/Geopeko	1982	Granville East	Costeaning along mineralised zone.	Mag/siderite/Sn skarn, two pods 15m strike length	Sn/magnetite rock passes through pyrr/ars/chalco Sn poor rock and into bande calc/silicate rock.		83-1978
CRAE/Geopeko	1982	Big Rocky Ck	Geol mapping.	Carbonate bearing black shales mapped	Carbonate bearing black shales correspond to the centre of mag anom.		83-1978
CRAE/Geopeko	1982	Big Rocky Ck	Recon soil sampling, assayed for Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn	No coherent Sn anom's generated. Erratic high Cu, Zn, Fe, incl over basalt.			83-1978
CRAE/Geopeko	1982	11000	Geol mapping.	Calc silicate rock mapped, with Sn bearing ironstone and magnetite.	Carbonate bearing black shales correspond to the centre of mag anom.		83-1978

CRAE/Geopeko	1982	11000	Recon soil sampling, assayed for Pb, Zn, Cu, Ag, Ta, W, Sn, Co, Ni, Cr, Bi, Mn	Well defined Sn anom defined. Four anom geochem trends. Sn to 890ppm, Cu to 320ppm, Zn to 1700ppm, Pb to 250ppm, As to 380ppm.			83-1978
CRAE	1982	West Coast	Computer analysis of regional stream sed data with Microgas.	Anomalous areas defined			82-1801
Aberfoyle	1982	Donnelly's area	Grnd mag surveys over DIGHEM anomalies - 202D/E, 203A nr Donnelly's gossan, 205A	EM: graphitic black shales & magnetite rich zones.			82-1686
Aberfoyle	1982-83	Donnelly's area	Assessment of aeromagnetic anomalies 202D/E, 203A, 205A, 205X		202D magnetite & pyrrhotite in skarn; 202E tentatively explained as salt water in gravels; 205X 65m to top.	202D: 10500ppm Sn in costean, 330m to se.	84-2087
Aberfoyle	1982-83	Tasman River zone	Assessment of aeromagnetic anomaly (500 gamma)		Not adequately tested on 1982. Dissem magnetite in basalt. Anom on western edge of pos skarn. 600m strike.	150ppm Sn ssed anom.	84-2087
Aberfoyle	1983	Donnelly's	Soil geochem	Several anom's, Sn, W with coincident Cu, Pb, Zn, located nr mag anom's			83-1942
Aberfoyle	1983	Donnelly's	Geol mapping.	Outcropping calc-silicate/magnetite skarn (up to 1.35% Sn). At least two skarn horizons.			83-1942
Aberfoyle	1983	Donnelly's	Grid costeaning	Zn to 5.2%, Cu to 0.71%, Sn generally weak.			83-1942
CRAE	1983	Big Rocky Ck	Recon soil sampling over broad mag anom.	Sn to 70ppm, weakly coincident Cu, Zn anom in Oonah Fm phyllites, qtzites.		Tert basalt over lwr Oonah fm.	83-1978
CRAE	1983	Big Rocky Ck	Grnd mag (200m spaced lines)	Max 800nT above background	Mag body pos 200m deep.	Tert basalt over lwr Oonah fm.	83-1978
CRAE	1983	11000	Soil sampling over mag anom & ironstone outcrop. Assays: Sn, W, Cu, Pb, Zn, Ag, Fe, Bi, Mo, As	Ironstone anomalous in Sn, Zn, As. Sn to 890ppm (ironst to 362ppm); coincident Cu to 320ppm, Pb to 250ppm, broad Zn anom to 1700ppm; ironst Fe to 28.5% with As to 380ppm.	Four anom geochem trends.		83-1978
CRAE	1983	11000	Geol mapping.	Ironstone; centre: calc-silicate hornfels with magnetite & py, sim to Granville East.		Little outcrop.	83-1978
CRAE	1983	11000	Grnd mag.	Complex geophysics, incl mag spikes.	Sim sig to Granville East, mag, py min.	Little outcrop.	83-1978
Aberfoyle	1984	Donnelly's	Outcrop geol map				84-2087
Gippsland Oil & Minerals	1986	Donnelly's	Assessment of Aberfoyle DIGHEM anomalies		Donnelly's: adequately explored, target not viable.	GOM relinquished EL	86-2616
New Holland Mining	1988	Heemskirk granite area	Geophysical/structural interp of MRT 1981 magnetics (& MRT gravity) by Leaman		Northern part of Heemskirk granite more conducive to skarn type min, esp around Gourlay's Ck.		88-2878
New Holland Mining	1989	Northern Heemskirk granite area	Infill gravity survey, Scintrex, 133 stns. Combined with MRT gravity data. Interp by Leaman.	Two n/s marginal granite spines and a broad shelf south of Duck Creek (ie Gourlay's/Granville East area).			90-3085

New Holland Mining	1990	Northern Heemskirk granite area	Relinquishment of main body of Heemskirk granite south of Granville Harbour		Northern part of Heemskirk granite more conductive to skarn type min, esp around Gourlay's Ck. Southern part considered unlikely to host significant min.	Relinquished remainder of EL 90-3085 in July 1990 due to "tenement access/exploration restrictions". Considered the area still prospective.	
MRT	2001	West Coast regional	WTRMP Area C aeromag, rad, dtm survey, Heli, e/w, 200m fls, 76m fh.				
MRT	2002	West Coast regional	WTRMP EM, 2002 Mt Read Volcanics, EM, aeromag, dtm survey, Heli, e/w, 200m fls, 79m fh.				
Stellar Resources	from 2005	Whole of licence.	Acquisition and review of previous exploration reports and data, data capture & mapping. Incl rpts from CRAE, Aberfoyle, Cominco, Placer, Minops, Pickands Mather, ACI, "Consolidated Syndicate", ANZECO, Geophoto Resources, Goldfields/RGC, Geopeko, New Holland Mining, Outokumpu, Goldstream Mining and Titan Resources, & MRT.	Database established, mapping and reports. Targets defined/established.			
Stellar Resources Ltd	9/2/06	Granville East	Diamond drill hole EG001. 340862mE, 5370994mN (GDA94), 245 Az, -60 dip, 149.8m length	Quartzite & black shales. Several anomalous minor sphalerite zones observed in core. 80mm vein at 99.1m. Cu max 230 & 160ppm gen poor; Zn max 1470ppm in one broad zone; Sn max 570ppm 2 zones; Au max 0.25ppm, 2 mod anom zones.	Disappointing, magnetite tin bearing structure apparent in the open pit was not intersected. Mineralisation controlled by a pipe-like structure plunging steeply north and dipping east. The drilling confirms it is not strata / strike controlled.	Logged by John Cahill.	
Stellar Resources	Feb/Mch 2007	North Heemskirk; western Bowry Fm and south to cover Gourlay's Ck, Granville East and St Dizier areas.	Aeromag survey: 50m fls e/w.	Aeromagnetics features definition improved over prior surveys.			

EL46/2003 Heemskirk - South Heemskirk District							
Company	Year	Location	Activity	Results	Conclusions	Comments	Report
Tas, Dept of Mines	1915	Healey & Mclvor, 600m wnw of Globe mine, nr Renison Anomaly 5.	Sn prospect	Qtz, tourmaline Sn mineralisation.	Historic prospect	Near to Renison Anomaly 5 (discrete As, Sn & weak Pb), within Agnew grid (82-1827).	GSB21, 82-1827
EZ	1960's	South Heemskirk	Exploration				
Geophoto	1972	Piney Creek, along Tenth Legion Fault	Gridded, geol, VLF-EM, grnd mag?, ssed geochem in creek 600m SW of Piney Ck.	No Ssed in Piney Ck. Ssed SW of Piney Ck: Zn, Pb, Cu bld; WO2 to 70ppm, Sn to 740ppm, As to 90 ppm, all in the east and outside HK EL.		No soil geochem refs or grnd mag found. Tenth Legion fault/mag/grav trend not tested. Coincident MRT WTRMP HEM (JS 3) & mag high 400m within EL. Gravity anom/trend 250 to 350m NE of mag trend.	72-0871, 85-2315
RGC	1973-74	Regional	Compilation of EZ data, geol mapping along old EZ grid lines. Target, large tonnage, low grade porphyry tin dep.			Target, large tonnage, low grade porphyry tin dep.	97-3962
Geophoto	1974	South Heemskirk granite region	Photogeological structural interp	Map			74-0988
RGC	1976	South Heemskirk incl granite	Assessment of prev work				83-2025
RGC	1976	Globe Mine	Adit grab sample	Sphalerite, Py, 0.37% Sn, 887g/t Ag.			76-1163
Renison Ltd	1977	West of Zeehan, East Heemskirk grid	Soil geochem, geol, grnd mag				79-1378
Renison Ltd	1977	Federation mine area grid, From 300m west of SRZ licence.	Soil geochem, geol, grnd mag				82-1827
Goldfields Expln	1979-80	Globe Mine	First interest		Two phases of min.	Geologists: Cross, P Roberts	83-2052
Renison Ltd	1980	Globe Mine	Gradient IP survey, grnd mag.				80-1420
Renison Ltd	1980	Globe Mine	Soil geochem grid		Pos polymetallic deposit		80-1420, 82-1827
Goldfields Expln	1980-81	Se of Heemskirk granite, 2 km sth of Mt Agnew area, just west of Globe Mine to Sweeney's Mine.	Agnew grid (100m ls). Geochem, geol mapping, geophysics (IP, mag)	targets defined			82-1827, 83-2025
Goldfields Expln	1980-81	Globe Mine	IP survey 1980 extnd 1981.				83-2052
RGC		Globe Mine	Adit samples geochem	Adit no 1, 2m sphal 2.28% Zn, low others; Adit no 2, 0.53% Pb, 0.2% Zn, 105g/t Ag; Adit no 3, 0.9% Sn (Sn/Sphal vein).			97-3962

Renison Ltd	1982	Se of Heemskirk granite, 2 km sth of Mt Agnew area, just west of Globe Mine to Sweeney's Mine.	Agnew grid (100m Is). Interp of geophysics (IP, mag) by Mitre (Bishop)	targets defined			82-1749
Renison Ltd	1982	Globe Mine	Globe Mine grid. Interp of geophysics (IP, mag) by Mitre (Bishop)	targets defined			82-1750
Goldfields Expln	1982	Globe Mine	Diamond drilling, DH8, DH9, DH10 (110m), DH11 (123.5m), DH12.	Poor min in core.	Comments by Lindsay Newnham (1997): DH TH10 & TH11 clipped alt zone, missed main min zone; TH7 not deep enough; TH9 may have clipped min zone (3m 0.25% Pb, 1.28% Zn, 69g/t Ag); TH8 should have intersected min zone (8m 1.66% Pb, 0.7% Zn, 43g/t Ag). Northern extension and ne plunge remain untested.	Little potential, no further work	82-1827, 83-2052
Aberfoyle	1982-83	North-West	Assessment of aeromagnetic anomaly		Anom zone in granite prob dissem or veined magnetite.	3400ppm Sn ssed 1km away in granite.	84-2087
Aberfoyle	1982-83	Granite Anomaly 1	Assessment of aeromagnetic anomaly		Anom zone in granite prob dissem or veined magnetite.		84-2087
Aberfoyle	1982-83	Granite Anomaly 2	Assessment of aeromagnetic anomaly		Anom zone in granite prob dissem or veined magnetite.		84-2087
Aberfoyle	1982-83	Silver Stream	Assessment of aeromagnetic anomaly (100-150 gamma)		Partly magnetic FeOx rock at contact between qrtzite and minor mudst is prob skarn. Minor Sn min at Tenth Legion 1km away. Depth: main anom 50-70m, west anom 25m. 300-500m strike.	390ppm Sn in tourm'd shale along strike from ox'd capping. Mag'tite content low. Gravity high anom at geochem anom.	84-2087
Aberfoyle	1982-83	Junction	Assessment of aeromagnetic anomaly (100 to 500 gamma)		No surface expression. Pos discrete dolerite body separated from main Severn body 2.7 km away, or skarn at depth.		84-2087
Goldfields Expln	1983	Agnew North grid	Proposed geol, soil, mag grid		1984 review of Heemskirk granite southern margin - prospectivity downgraded, grid prop abandoned in favour of ssed survey.		83-2025, 85-2323
Goldfields Expln	1983	Anomaly 4, 1km wsw of Globe Mine.	IP anomaly follow-up. Power auger bedrock sampling for Sn, As, Ag, Pb, Zn, & geol mapping.	Mineralising 'white' granite intrusion into 'red' granite. Anomalous geochem.	white' granite is a 2nd phase intrusion into coarser 'red' granite, bringing min.		83-2025
Goldfields Expln	1983	Anomaly 4, 1km wsw of Globe Mine.	Diamond drilling, Fed26 (122.8m). Sn, S, As, Cu, Pb, Zn, Fe, Mo, Ag, Bi, Sb, F. Helicopter access.	Altered granite: complex polymetallic sulphide veins to massive sulphides. Two zones at 34m & 55m: 24m 0.22% Sn, 0.07% Cu, 0.35% Pb, 1.75% Zn, 33g/t Ag, incl 2m 0.92% Sn, 0.78% Cu, 1.38% Pb, 4.58% Zn.	Similar to Sweeney's. Pipe-like 'blind' deposit in 'red' granite.	Goldfields re-assessed the various anomalies and prospects, and concluded that they would have to be collectively processed to be viable.	83-2025

Goldfields Expln	1984	Bridge Creek (Alluvial)	Sn prospect			Mirloch point. No info found in rpt 84-2146	84-2146
Goldfields Expln	1984	400m sth west of Globe mine	Rockchip 493	Cu 360ppm, Sn 510ppm.			84-2146
Goldfields Expln	1985	Incl Globe Mine & Agnew grids	Transparencies			Huge file, not downloaded	85-2426
Goldfields Expln	1985	Eastern slopes of Mt Agnew	Ssed geochem. Sn, Cu, As, Zn, Pb.	Disappointing, mainly background levels.	Little potential, no further work		83-2052
Cavenridge Pty Ltd	1992	Sim area to SRZ Heemskirk licence, & incl all of Heemskirk granite.	Gen assessment of prospectivity and occurrences.				92-3385
David Lane	1997	Anomaly 4 report by Lindsay Newnham	Assessment of prev work and prospect	Fed26 drilling: Intense sulphide alt. 33-100m; 32.7m to 46.7m, 14m @ 2.6% Zn, incl 33.7m to 35.7m, 2m 0.48% Sn, 0.78% Cu, 1.37% Pb, 4.6% Zn, 334g/t Ag; 54.7m to 57.7m 0.92% Sn, 0.46% Zn.	Further drilling required ne, sw, and at depth below Fed26.		97-3962
David Lane	1997	Globe Mine report by Lindsay Newnham	Assessment of prev work and prospect	Complex polymetallic sulphides and significant cassiterite min. Orebody > 100g/t Ag. Minerals: cassiterite, stannite, sphalerite, chalcocopyrite, galena, tetrahedrite, boulangerite.	DH TH10 & TH11 clipped alt zone, missed main min zone; TH7 not deep enough; TH9 may have clipped min zone (3m 0.25% Pb, 1.28% Zn, 69g/t Ag); TH8 should have intersected min zone (8m 1.66% Pb, 0.7% Zn, 43g/t Ag). Northern extension and ne plunge remain untested.		97-3962
David Lane	1997	Globe Mine	Adit rock sampling for ore extrn. Neutron Activated Analysis for 30 elements; Std analysis for 17 elements.	Std analysis: Ag to 640g/t, Cu to 0.07%, Pb to 2.1%, Zn to 0.11%.			97-3962
David Lane	1998	Globe Mine	Geophysics, Self Potential survey	No additional info obtained			98-4112
Placer Dome	2003	Heemskirk Sth, Agnew Grid, incl Globe Mine	Compilation of Renison data			Plans only	03-4923, 03-4932.
Allegiance (& CRA)	1994-2006	Trial Harbour, Avebury, Tenth Legion districts	Nickel exploration	Viking et al		Work abuts SRZ EL46/2003 in the south	19 reports
Stellar Resources	from 2005	Whole of licence.	Acquisition and review of previous exploration reports and data, data capture & mapping. Incl rpts from CRAE, Aberfoyle, Cominco, Placer, Minops, Pickands Mather, ACI, "Consolidated Syndicate", ANZECCO, Geophoto Resources, Goldfields/RGC, Geopeko, New Holland Mining, Outokumpu, Goldstream Mining and Titan Resources, & MRT.	Database established, mapping and reports. Targets defined/established.			

Stellar Resources Ltd	2007	Trial Harbour Rd	Diamond drill hole TRD1. 353943mE, 5359142.46mN (GDA94), Az 55, dip 45, 208.5m length	The hole drilled 15.5 metres of surficial sediments, 145.9 metres of hornfels-skarn-granite migmatite and 57.1 metres of coherent granite, including tourmaline, chlorite, sericite and fluorite altered facies. Texturally and mineralogically complex metamorphosed mafic to calc-silicate rocks, hornfels, granite. Ni max 140ppm; Zn max 790ppm; Sn max 710ppm 3 zones; Au bld.	Disseminated and localised thin massive occurrences of magnetic pyrrhotite are common throughout the hornfels-skarn-migmatite unit and explain the aeromagnetic anomaly. Despite the prevalence of sulphide and hydrothermal alteration in both the aureole rocks and the granite, metal concentrations are low. The hole downgraded the prospect in that area.	Logged by K Morrison.	
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EL46/2003 Heemskirk - St Dizier District							
Company	Year	Location	Activity	Results	Conclusions	Comments	Report
Heemskirk Tin Syndicate	1913-20	Tasman River area nth of Heemskirk Rd	Alluvial tin mining				97-4042
Tas, Dept of Mines	1915	McArthur's (Mt Arthur) Copper Mine, 700m (300m) ne of St Dizier	Inspection and assessment	Pre-silurian blue slate, tourmalinised country further sth. 1914 orebody (5ft wide) assay: Au trace, Ag 9.6oz/t, Cu 26.8%, Sn nil. Dumps: chalco, 'blende', arsenopy, grab sample assay Cu 2.5%, Zn 13.5%	Surface enrichment concluded, not economic at depth (shaft 53ft)		GSREP6, Plan 1478
Tas, Dept of Mines	1915	Long's Iron Blow. SE of St Dizier 2.8km.	Inspection and assessment	Tourmaline/qtz/haematite. Sn to 0.29%.		50m x 25m x 7m high.	GSREP6
Pickands Mather	1967	Big H	Pickands Mathers, 1967. Diamond drilling, DDH101 (160m), H102 (184m), H103 (76m), Logs & assays. Orig an iron ore prospect.	DH101: two min zones, upper weak, lwr incl 1.3m @0.45% Sn nr bottom of hole, highest assay 6400ppm; Cu max 700ppm, Zn max 8900ppm, magnetite, sulphides- py, chalco, sphal, arseno, galena, etc. DDH102: no min zone. DDH103: weak min zone, Cu to 600ppm, Sn to 1000ppm, Zn to 300ppm.		Rpt: 67-0456 Ref to hole N8 (Placer hole, can't locate), 1.8m @ 8.67% Cu. Rpt 80-1504 has complete info.	67-0456 & 80-1504, 81-1597
Pickands Mather	1967	Central	Pickands Mathers, 1967. Diamond drilling, H104 (147m). Logs & assays.	DDH104: surf to 48.7m weak min zone, Cu to 700ppm, Sn tr, Zn to 300ppm		Rpt: 67-0456 Ref to hole N8 (can't locate), 1.8m @ 8.67% Cu. Rpt 80-1504 has complete info.	67-0456 & 80-1504
MRT Minloc		Tasman River, 1.42km nth of St Dizier	Sn reference			MRT Mirloch db 2006	ER50, GSB50
MRT Minloc		St Dizier Alluvial, 380m nw of St Dizier	Sn reference			MRT Mirloch db 2006	ER50, GSB50
MRT Minloc		Un-named, 560m sse of St Dizier in granite	Sn reference			MRT Mirloch db 2006	Plan 1478
MRT Minloc		Laffer's Twelve Mile Workings, 550m nth of Big H	Sn reference			MRT Mirloch db 2006	nil
MRT Minloc		Central Twelve Mile Workings, 100m nnw of Big H	Sn reference			MRT Mirloch db 2006	Klominski
MRT Minloc		Western Twelve Mile Workings, 300m sw of Big H	Sn reference			MRT Mirloch db 2006	Klominski
MRT Minloc		Un-named, 700m ssw of Big H on granite margin.	Sn reference			MRT Mirloch db 2006	82-1827A, 84-2146C
MRT Minloc		Upper Twelve Mile Workings, 1360m ese of Big H	Sn reference			MRT Mirloch db 2006	Klominski, ER50, GSB50
MRT Minloc		Upper Heemskirk River, 4600m se of Big H in granite	Mo reference			MRT Mirloch db 2006	Klominski
Laffer family	1960-70's	Tasman River area nth of Heemskirk Rd	Alluvial tin mining				97-4042

Texins Development	1970	Heemskirk granite from Granville Harbour south to Trial Harbour	Airphoto geol structure interp by Geophoto Consultants.	Map			70-0692
Cominco	1973	Central Anomaly to Big H	Grnd mag grid (100m grid).	Magnetite-bearing skarn horizon delineated.	Depth to top interp as 130m.	Maj com: Sn; Min com: Zn, Wo, Cu, Bi	
Esso Australia	1973	North West Tas	INPUT (EM?) & aeromag survey. e/w, 880m fls, 133m fh.	Coarse regional EM & magnetics. Arthur lineament defined			74-0987
Esso Australia	1973	North West Tas	Heli-borne stream sed geochem & geol mapping follow-up			No recorded data located.	74-0987
Minops		St Dizier Mine	Grab sample assays	Sn to 1.32%, Cu to 0.10%, Zn trace, magnetite to 60%.			TR17-184-194
Aberfoyle/Cominco	1973-74	St Dizier skarn horizon	Geol mapping, geochem (Sn, As, Bi, Ag), grnd mag, SP, IP, trenching on detailed St Dizier min grid.	Anomalous areas defined			74-1018, 74-1065, 81-1597
Aberfoyle	1974	St Dizier skarn horizon	Diamond drilling, 8 holes.				81-1597
Aberfoyle	1975	St Dizier to Big H included. EL22/73	Airborne EM and Mag survey. West Granville East to east 356000mE	Anomalous areas defined			75-1135 & 81-1597
Aberfoyle	1976-77	St Dizier to Big H, EL22/73	Geol mapping, detailed grnd mag (n/s 100m spacing)	Anomalous areas defined			81-1597
Gold Fields Expln	1978	Heemskirk granite from Granville Harbour south to Trial Harbour	Colour airphoto survey (25k) and geol interp.	Differentiation of older 'red' granites from younger intrusive mineralising 'white' granites was ineffective. General structures mapped.		Geologists: P Roberts, R Poltock.	84-2146
Gold Fields Expln	1978	Long's Iron Blow. SE of St Dizier 2.8km.	Inspection, assessment, assays	Tourmaline/qtz/haematite. Sn to 300ppm, As to 45ppm, W to 1700ppm, Pb to 20ppm, Zn to 30ppm, Cu to 20ppm. Nearby small blow had sim assays, incl Zn to 160ppm.	Not considered to have potential.	Geologist: P Stephenson	84-2146
Aberfoyle	1979	St Dizier area, Heemskirk granite.	Regional stream sed sampling extension, for Sn, W, Cu, Pb, Zn.				81-1597
Aberfoyle	1980	St Dizier, Central, Big H skarn horizon	Soil geochem grid n/s 100m spacing. Sn, Wo3, As, Cu, Pb, Zn.	Anomalous areas defined		Geologist: C H Young	81-1521
Aberfoyle	1980	St Dizier skarn horizon	Soil geochem grid n/s 100m spacing. Sn, Wo3, As, Cu, Pb, Zn.	St Dizier: As, 1 area/trend >100ppm, max 1300ppm; Cu, 1 area/trend >300ppm, max 2700ppm; Pb, 1 area/trend >100ppm, max 400ppm; Sn, 0 >500ppm; WO, 1 area >100ppm, max 200ppm; Zn, 1 area/trend >300ppm, max 4400ppm.		Geologist: C H Young	81-1521
Aberfoyle	1980	Central skarn horizon	Soil geochem grid n/s 100m spacing. Sn, Wo3, As, Cu, Pb, Zn.	Central: As, 2 areas >100ppm, max 550ppm, Cu, 3 areas >300ppm, max 600ppm; Pb, 2 areas >100ppm, max 700ppm; Sn, 1 >500ppm; WO, 1 larger area >100ppm, max 300ppm; Zn, 4 areas >300ppm, max 5600ppm.		Geologist: C H Young	81-1521
Aberfoyle	1980	Big H skarn horizon	Soil geochem grid n/s 100m spacing. Sn, Wo3, As, Cu, Pb, Zn.	Big H: As, 1 area >100ppm, max 280ppm, Cu, 6 areas >300ppm, max 800ppm; Pb, 6 areas >100ppm, max 240ppm; Sn, 4 areas >500ppm; WO, 1 area >100ppm, max 140ppm; Zn, 2 areas >300ppm, max 500ppm.		Geologist: C H Young	81-1521

Aberfoyle	1980	Twelve Mile Ck Anomaly	Trenching to evaluate source. SIROTEM survey of three lines. Bedrock RC drilling geochem. Grnd mag survey.	Trenching did not find conductor. SIROTEM defined a steeply dipping (<50m) conductor of at least 100m length. Bedrock geochem: low Sn, trace sulphides, silicified black shales; Grnd mag defined a lenticular anom assoc with DIGHEM anom.			84-2087
Aberfoyle	1980	Area incl Central Anomaly, St Dizier, Big H, Twelve Mile Ck, Tasman River Zone.	Orientation DIGHEM survey (250m fls)				81-1597
Gold Fields Expln/Apollo Minerals	1980 - 1983	St Dizier mine	Drilling programme 1980-1983, holes H1 to SD22. Logs, assays, petrology, metallurgy. SD1 (49m or 66m), SD2 (38m or 45m), SD3 (17m), SD4 (29m), SD5 (32m), SD6 (206m), SD7 (125m), SD8 (97m).	Holes SD21 & 22 found that the skarn/carb min zone did not extend deeper or beyond central body, Sn, W <0.1%. Prev holes best assay info (most Zn <0.7%), H5: 5.8m @ 2.34% Zn; M9: 8.3m @ 1.92% Zn; SD15: 1m @ 0.28% Cu, 1.19% Zn; SD13: 2m @ 3.0% Zn; SD18A 5m @ 0.22% Cu, 4m @ 1.9% Zn.	St Dizier central orebody econ grade, west & east min is low grade. Resource: 0.8mT @ 0.7% Sn, 0.5% WO3, plus 100000t low grade ore. Project might suit 'shoe string' operation.	Geologist: P Roberts.	81-1602, 82-1835, 84-2154
MRT	1981	West Coast	Aeromag survey, e/w, 500m fls, 150m fh. Mag only.	Broad scale magnetics		Picture	
Aberfoyle	1981	Tasman River Zone	Grnd mag survey, geol mapping.	Grnd mag showed a broad mag anom open to the nth, noisy magnetic basalt masks response from underlying rocks. No outcrop of skarn or shale.			84-2087
Gold Fields Expln	1981 & 1982	Heemskirk granite from Granville Harbour south to Trial Harbour	Heemskirk granite mineralogy and rockchip assaying.	Nothing significant		Area south of St Dizier relinquished.	84-2146
CRAE	1982	West Coast	Computer analysis of regional stream sed data with Microgas.	Anomalous areas defined			82-1801
Aberfoyle	1982-83	Tasman River zone	Aberfoyle 1980-3. 150ppm Sn ssed anom at 344260mE, 5370100mN. Grnd mag survey, SIROTEM grnd EM (anom @ 346440mE, 5368810mN), geol mapping. Trench geochem & 7 auger holes to 50m. Assessment of aeromagnetic anomaly (500 gamma); 2002 WTRMP HEM.	Grnd mag showed a broad mag anom open to the nth, noisy magnetic basalt masks response from underlying rocks. No outcrop of skarn or shale. HEM (JS 8) is coincident with Aberfoyle 1980 SIROTEM anom. Auger holes penetrated shale & clay, base metal values low, one spot high in trench of Sn 260ppm, Cu 160ppm.	Not adequately tested in 1982. Dissem magnetite in basalt. Carbonaceous shale conductor? Anom on western edge of pos skarn. 600m strike.	150ppm Sn ssed anom.	80-1504, 81-1571, 84-2087
Aberfoyle	1982-83	St Dizier	Assessment of aeromagnetic anomaly (430 gamma)		Sn assoc with pyrr & magnetite in skarn.		84-2087
Aberfoyle	1982-83	Central	Assessment of aeromagnetic anomaly (500 gamma)		Magnetite & pyrr in skarn. Depth 70-100m.	DDH101: 4ft @4500ppm Sn.	84-2087
Aberfoyle	1982-83	Central, Second Skarn Horizon	Assessment of aeromagnetic anomaly (700 gamma)		No oxidised capping. Prob magnetite & pyrr in skarn. Depth 25m.		84-2087
Aberfoyle	1982-83	Big H	Assessment of aeromagnetic anomaly		Sn in magnetite oxidised capping. Shallow body.	360ppm Sn RAB drilling.	84-2087
Aberfoyle	1982-83	Twelve Mile Ck 220C	Assessment of aeromagnetic anomaly (4000 gamma)		Prob skarn, orig thought to be graphitic shale. Depth 25-30m. 600m strike.	260ppm Sn in trench.	84-2087

Aberfoyle	1982-83	Southern Skarn at granite contact	Assessment of aeromagnetic anomaly (300 to 350 gamma)		No oxidised capping. Prob magnetite & pyrr in skarn. Depth shallow. 400m strike?.	Low magnetite content.	84-2087
Aberfoyle	1982-83	228C & 229A, east of Central anomaly	Assessment of aeromagnetic anomaly (100 gamma)		Pos skarn, not outcropping. Depth 50-70m. At least 200m strike.		84-2087
Aberfoyle	1982-83	Big H region	Geol mapping, recon and on mag grid lines	Map	Big H lithologies sim to Donnelly's		84-2087
Aberfoyle	1983	St Dizier	Dighem anom/min interp		Patchy py nodules in shale give rise to Sn and assoc Cu, Zn values. Sphal most abundant econ min, chalco is minor constituent.		83-1942
Aberfoyle	1983	Central	Dighem anom interp		Depth to top interp as 130m.		83-1942
Aberfoyle	1983	Big H	Dighem anom interp		Mag suggests shallow body (outcropping skarn), indicates a very limited depth (see PMI holes H101 - H104 cross-sections. Rpt: 81-1504)		83-1942
Aberfoyle	1983	DIGHEM 228C, 229A. 1 km ne of Big H	Dighem anom interp		Pos contin of Big H skarn horizon.		83-1942
Aberfoyle	1983	Tasman River	Dighem anom interp		Originally attributed to tertiary basalt, but after Donnelly's discovery was reconsidered.		83-1942
Aberfoyle	1983	Central	Aeromag anomaly: geological mapping & limited geochem follow-up.	Three parallel skarn horizons			84-2087
Aberfoyle	1983	Donnelly's	Aeromag anomaly: geological mapping & limited geochem follow-up.		Depth of anomalies 10-100m.		84-2087
Aberfoyle	1983	Twelve Mile Ck	Aeromag anomaly: geological mapping & limited geochem follow-up.	Trace mica & sulphides (Cu to 160ppm, other low)	Probable skarn		84-2087
Aberfoyle	1983	Tasman River	Aeromag anomaly: geological mapping & limited geochem follow-up.	Noisy magnetics over basalt, skarn horizon occurs on western margin of basalt.	Difficult to define sub-basalt.	Results not encouraging	84-2087
Aberfoyle	1983	Silver Stream	Aeromag anomaly: grnd mag, geological mapping & limited geochem follow-up.	Small area of gossan over skarn of >400m strike length. Cu to 410ppm, Sn to 390ppm, Pb to 90ppm, Zn to 270ppm. Granite 2km to west. Prospectors holes.	Grnd mag suggests width of <20m, and a weakly disseminated source at 25-75m depth. Tourmalinisation suggests a shallow granite basement.	On a low/mod mag feature, 840m Nth of and parallel to Tenth Legion mag trend, on grav trend. Gravity high anom at geochem anom. No further work warranted	84-2087
Aberfoyle	1983	DIGHEM 228C, 229A. 1 km ne of Big H	Aeromag anomaly: geological mapping & limited geochem follow-up.	No anomalous assay values	Depth to top, 50-70m, 300m strike length. Lacks outcrop & anomalous geochem. Pos local skarn dev at base of ridge.	No further work warranted	84-2087
Aberfoyle	1983	Junction	Aeromag anomaly: grnd mag, geological mapping & limited geochem follow-up.	Very little outcrop, no magnetite/pyrr. Low Sn assay only 7 & 8ppm.	Depth of anomaly 125-150m. Pos mag dolerite or deep skarn.	On Queen Hill/Severn mag lineament.	84-2087
Aberfoyle	1983	North-West	Aeromag anomaly: grnd mag, geological mapping & limited geochem follow-up.	Magnetically noisy granite. Low Sn assay only max 35ppm.	No highly altered granite or qtz/tourm/Sn veining	Grid not completed, impenetrable bush. No further work warranted	84-2087

Aberfoyle	1983	Granite1 & 2	Aeromag anomaly: grnd mag, geological mapping & limited geochem follow-up.	Magnetically noisy granite. Low Sn assay only, 6, 10 & 15ppm.	No highly altered granite or qtz/tourm/Sn veining	No further work warranted	84-2087
Aberfoyle	1983	Central Anomaly nw to Tasman River Zone	Zone of low resistivity recognised from the 1980 DIGHEM.	Attrib to a shale unit. DIGHEM might indicate presence of skarn within or marginal to the shale.			84-2087
Aberfoyle	1983	Central Anomaly	Grid re-established and extended nth & sth, to cover DIGHEM anom's 220C, 221C, 222A, B & E, 223B, 224B. Geol mapping.	Incl isolated gossans over skarn.			84-2087
Aberfoyle	1983	Central Anomaly	Grnd mag survey over DIGHEM anom's 220C, 221C, 222A, B & E, 223B, 224B.	Skarn horizons interpreted, some coincident EM/mag anom's. See pages 10-12 of rpt for summary.			84-2087
Gippsland Oil & Minerals	1986	Tasman River, Twelve Mile Ck, Silver Stream, St Dizier, Dighem 228C & 229A	Assessment of Aberfoyle DIGHEM anomalies		St Dizier, NW & Granite anom's, host rocks not suitable for medium/large deposits; Tasman River, anom pos spurious; Twelve Mile Ck, Silver Stream, mineralised zones too thin for a viable body.	GOM relinquished EL	86-2616
New Holland Mining	1988	Heemskirk granite area	Geophysical/structural interp of MRT 1981 magnetics (& MRT gravity) by Leaman		Northern part of Heemskirk granite more conducive to skarn type min, esp around Gourlay's Ck.		88-2878
New Holland Mining	1989	Northern Heemskirk granite area	Infill gravity survey, Scintrex, 133 stns. Combined with MRT gravity data. Interp by Leaman.	Two n/s marginal granite spines and a broad shelf south of Duck Creek (ie Gourlay's/Granville East area).			90-3085
New Holland Mining	1990	Northern Heemskirk granite area	Relinquishment of main body of Heemskirk granite south of Granville Harbour		Northern part of Heemskirk granite more conducive to skarn type min, esp around Gourlay's Ck. Southern part considered unlikely to host significant min.	Relinquished remainder of EL in July 1990 due to "tenement access/exploration restrictions". Considered the area still prospective.	90-3085
Laffer, Roy	1990	Tasman River area nth of Heemskirk Rd	Excavator pit (57) sampling	Sn grades unreliable		Poor sampling control	97-4042
Laffer family	1995	Tasman River area nth of Heemskirk Rd	G33 cable drilling, 3 holes to test for alluvials beneath tertiary basalt cap.	Poor Sn grades. Basalt mean thickness 10m			97-4042
Renison Ltd, (& Laffer interest)	1997	Tasman River area nth of Heemskirk Rd	Resampling of Laffer (1990) pits.	Poor Sn grades, lwr than Laffer (1990) grades, eg Laffer 2kg/m3, Renison 0.17kg/m3.	Insufficient reserves or grade.	Laffer's poor sampling control caused unreliable results.	97-4042
Renison Ltd, (& Laffer interest)	1997	Tasman River area nth of Heemskirk Rd	RC drilling (16 holes), drill, rock & soil sampling, geol mapping.	Poor Sn grades, grades. Basalt mean thickness 10m. No further feeder leads found except for at the Tasman mine.	Insufficient reserves or grade, too much basalt, economics not right.		97-4042
MRT	2001	West Coast regional	WTRMP Area C aeromag, rad, dtm survey, Heli, e/w, 200m fls, 76m fh.				
MRT	2002	West Coast regional	WTRMP EM, 2002 Mt Read Volcanics, EM, aeromag, dtm survey, Heli, e/w, 200m fls, 79m fh.				

Stellar Resources	from 2005	Whole of licence.	Acquisition and review of previous exploration reports and data, data capture & mapping. Incl rpts from CRAE, Aberfoyle, Cominco, Placer, Minops, Pickands Mather, ACI, "Consolidated Syndicate", ANZECO, Geophoto Resources, Goldfields/RGC, Geopeko, New Holland Mining, Outokumpu, Goldstream Mining and Titan Resources, & MRT.	Database established, mapping and reports. Targets defined/established.			
Stellar	2005	St Dizier and south	Interp and target definition of WTRMP EM, 2002 Mt Read Volcanics EM, mag by J Silic.	Targets selected			Interpretation of Mt Read 2001/2002, Tasmanian Geological Survey, Helicopter EM data, EL 46/2003, Feb 2005.
Stellar Resources	Feb/Mch 2007	North Heemskirk; western Bowry Fm and south to cover Gourlay's Ck, Granville East and St Dizier areas.	Aeromag survey: 50m fls e/w.	Aeromagnetism features definition improved over prior surveys.			AR2007
Stellar Resources	Mar/Apr 2007	St Dizier tin deposit	Diamond Drilling: ST01: (GDA94) 345146mE, 5367808mN, depth 109.2m, Az 190, Dec 70; ST02: 345192mE, 5367784mN, depth 95.1m, Az 190, Dec 60.0; ST03: 345104mE, 5367824mN, depth 111.2m, Az 190, Dec 60.0.	Best results: ST01: the main tin mineralised interval included 57m @ 0.60% Sn from a depth of 44m using a 0.2% Sn cut off; ST02: 22m @ 1.12% Sn from 13m; ST03: 4.5m @ 3.82% Sn from 39.2m (but core recovery over this interval was poor, 40%).	Geology and mineralisation reflected the results of previous explorers.	Geo: Gus Bravo	AR2007