

EL21/2004 Dundas - Literature Search Chronology of Prior Exploration.							Compiled by A M Rigg 24Sep08	
Company	Year	Location	Activity	Results	Conclusions	Comments	Report	
	1887-1913	Dundas	1887 galena discovered. Most mining activity ceased by 1913.	The Dundas Field, recorded total production of 25,050 tons of lead, 629.5 tons of zinc and 1.82 million ounces of silver				
	1888 - 1909	West Comet Mine (on SE border of licence)	Worked 1888 to 1909, with later minor activity.	Prod'n: 2700 tons Pb & 270000oz Ag from approx 60500 tons ore.		The ferromanganese gossan lodes containing crocoite and rich shoots of Ag, chlorite and galena occur in a puggy clay along the silicified contact of serpentinite intrusion into black Oonah Fm shales.		
	1890 - 1930	Adelaide Mine (incl Red Lead & Anderson's Reward)	Worked periodically from 1890 to 1930, and more recently for mineral specimens (crocoite).	Prod'n: 1860 tons Pb & 186000oz Ag from 8561 tons ore.		Three dipping lodes along a surface gossan developed on the serpentinised contact of an ultrabasic intruding Oonah Fm.		
	1909	Razorback Mine	Alluvial tin discoveries (after Commonwealth Hill 1893), traced to a fissure replacement type lode at Mt Razorback.	Prod'n: 46.5 tons metallic tin.		A fissure replacement type lode along the faulted junction of serpentinised ultrabasic pyroxenite with the shales, greywackes and conglomerates of the Middle Cambrian Dundas Group at Mt Razorback.		
TMD	1930's	West Comet mine workings	Mines Department drilled three diamond drill holes beneath the West Comet workings					
TMD	1931	Grand Prize	General report				UR1931-056-57	
TMD	1943	Razorback	General report				UR1943-169-174	

Various	1940's - early 1960's	Dundas district	A succession of companies and government authorities, including Australian Mining & Smelting, NBH Ltd, Rio Tinto, Department of Mines, and BMR completed early exploration. This work consisted of geological mapping, data compilation, airborne and ground geophysical surveys and diamond drilling.				
	1941-1959	Grand Prize mine	Tin mining	Grand Prize Mine produced 1548 tons of ore at an average grade of 0.8% Sn.			TR5-136-161
TMD	1951	Razorback	General geol rpt				UR1951-102-112
Rio Tinto	1956	North-western Tasmania	Aeromagnetic survey - 500m fls? Airborne EM survey (prob Hunting)	Geophysical anomalies defined.			
BMR/TMD	1958 - 59	Razorback Mine	Three drill holes: (RZB-1 - RZB3) DDH1 (83.82m, az 290, dip 30), DDH2 (72m, az 270, dip 43) DDH3 (61m, az 260, dip 45)	DDH1: Sn to 1.16%, Ni tr. Poor core recovery, altho core showed irregular fissure replacement min containing cassiterite with pyrrhotite, pyrite, arsenopy and chalco in qtz and manganiferous siderite. Intersected serpentinite, with pyroxenite, dissem chromite, osmiridium, magnetite. DDH2: Sn only to 3%. Intersected serp (weath) & dolomite (min), core loss. DDH3: Sn only to 0.46%. Low grade Ni & Cr min.			ER7914S, TR5-136-161, TR7-10-16
BMR/TMD	1961 - 62	Razorback - Intermediate grids area	Drill holes: (RAZ4 - RAZ7) DDH4 (103.02m, az 276.7, dip 45), DDH5 (126.49, az 226.7, dip 45), DDH6 (17.5'), DDH7 (52m, az 51.7, dip 55). Sn con test.	DDH4: Ni to 0.29% (5m), Cr to 0.08%. Serp at 338', no sulph min vis, calcite. DDH5: Turam tgt not explained, serp at 415', no sulph min vis, some magnetite. DDH6: 16' conglom, then serp, not assayed. DDH7: mag tgt, serp from 50', high mag cont, no sulph min vis.			TR7-10-16, TR14-193-195
BMR/TMD	1959 - 1960	Grand Prize, Intermediate, Razorback Grids	(Sn). Turam, SP, magnetics and geol mapping.	A linear 5000 gamma magnetic anomaly "associated in part with a distinct Turam indicator" extended south of the Grand Prize Mine and, at the western end of the Intermediate Grid, a Turam anomaly was indicated within Dundas Group sediments.	Inconclusive except over known mineralisation. Magnetite veins, but no min to explain anomaly.		TR7-10-16, 60-0303, 60-0326
CRA	1960	Grand Prize to Razorback Mines area	Geophysics (SP, Turam, mag), geol mapping				60-0303, 60-0326
BMR/TMD	1962	Grand Prize mine south	Drill holes: DGP1 - DGP3				65-0403,
BMR/TMD	1962	Grand Prize & Razorback Mines	General summary rpt			Rpt by Blissett	ER7914S

Placer	1965	Grand Prize mine south	Drill holes: MD 1 (368450mE, 5364920mN AGD66, 100.74m, az 91.7, dip 50), MD 2 (368518mE, 5364940m AGD66, 61.26m, az 262.7, dip, 50), MD 3 (100.4m, az 92.7, dip 20).	MD1 and MD2 drilled on the magnetic anomaly & Turam, SP trends south of the Grand Prize Mine. MD1: 0-128' serp, 128-220' dolo (Sn: patchy zone 170-210' to 2.4%), 220-230' slate, 230-272' grit. Ni to 0.4% (5m). Fault at 26m, poor recovery, no sulph min. MD2: 0-145' serp, 145-220' dolomite. Sn nil, Ni to .3% (3m), serp more magnetic, no sulph min. MD3: 0-70' serp, 70-260' dolo (Sn 0.46% at 200'), Grand Prize Fault (84m) 2m gossan, Py below.			65-0403, 65-0404, 85-2449
Placer	1964 - 1966	Grand Prize fault structure	Craze's and No.4 adits extended.	An overall grade of 0.32% Sn was reported from bulk sampling of cross cuts in No.4 adit.		Contamination of the adit samples as well as the use of dubious analytical techniques at the Placer Laboratory in Zeehan is suspected.	66-0422
Placer	1964 - 1966	Grand Prize fault structure	Two drill holes G 1 and G 2.	Recoveries were only 10% and thus should be disregarded although traces of tin were recorded. No information is available on G2.		Recoveries were only 10% and thus should be disregarded although traces of tin were recorded.	65-0403, 67-0453
Placer	1964 - 1966	Grand Prize grid	Rock chip samples and soil samples.	Grand Prize Grid samples, south of the Grand Prize Mine gave assays of up to 1% Sn.		Contamination of these samples as well as the use of dubious analytical techniques at the Placer Laboratory in Zeehan is suspected.	

Placer	1964	Razorback Mine	(Sn). Drilling: Surface drill holes data available for 13 of 17 holes only. DH: R1, R2, R3, R4, R5, R9, R10, R11, R12, R13, R16.	DH R1, CRA relog/assay: 0-132' serp, 132-286' dolomite/sulphides (238' 2.1% Zn), 286-490' breccia/sulphides (293' 2800ppm Cu, 298' 1.7% Sn); R2, Placer plan, 0-117' serp, 117'-335' dolo (176-260' Sn min zone, ave 0.05%, with 5' @ 16%), 335'-355' shale (328-387' Sn min zone ave 0.3%, with 5' @ 1.5%), 355'-395' grit; R3, Placer plan: 0-144' serp (Sn one only assay of 0.26% @ 124'), 144-500' dolo, 500-518' shale, 518-548' grit; R4, Placer plan, 0->920' serp; R5, CRA relog/assay: 0-324' serp, 324-565' talc/carb (380' Ni max 1300ppm, 529' Cu max 760ppm), 565-607' grit/conglom (584' Zn max 1400ppm); R6, Placer plan, 0-500' serp, 500'-807' dolo, 807'-809' shale (Sn tr), 809'-833' grit; R9, CRA relog/assay: 0-262' serp, 262-352' talc/carb (Ni to 1300ppm, Zn to 1300ppm), 352-413' carb/chlorite (Zn to 1500ppm), 413-457' carb/talc/chlorite, 457-482' dolomite (Ni low), 482-670' lithic conglom (523.4' Sn 9100ppm, 592-603' Cu to 2580ppm)(330' to 603' broad Sn min zone ave 0.05%); R10, CRA relog/assay: 0-258' serp, 258-467' talc/carb, 467-529' serp (Ni to 2600ppm, Zn to 800ppm), 529-880' carb/talc, 880-1066' serp (Ni to 2000ppm); R11, Placer plan: 0-290' serp, 290-570' dolo, 570-582' shale, 582-600' grit (Sn one only assay of 0.89%);	R12, CRA relog/assay: 0-142' weath brn serp, 142-355' dolomite (All assays low, no Ni, no assays from 208'), 356-363' lode in dolomite, 363-369' dolomite, 369-374' lode in dolomite/grit (Sn 1m @ 0.22%), 374-382' dissemin Py in conglom; R13, CRA relog/assay: 0-316' serp (no assays), 316-474' dolomite (max Ni 1400ppm, 466' Zn 4600ppm, Ni 900ppm), 474-481' conglom, tr sulph, 481-489' conglom, tr Cu stain, 489-496' chert, grn grit/conglom, 496-501' conglom; R15, Placer plan: 0-216' serp, 216-236' strongly leached caving zone; 236-356' dolo, 356-366' shale, 366-378' grit (low Sn zone 356-378' with max of 0.33%); R16, CRA relog/assay: 0-235' serp (no assays), 235-384' talc/carb, 384-594' min talc/carb (Ni to 1900ppm, Zn to 4000ppm, Sn <1000ppm, Cu 1500ppm @ 472'), 594-605' transitional, 606-612' conglom.	No new orebodies found. Placer holes have no assay tables, but some intersections are shown on cross-sections in reports. CRA re-logged the core in 1980, where it was available.	65-0403, 65-0404, 66-0422, 67-0453, TR11-182-187
Placer	1964	Razorback Mine	(Sn). Drilling: underground (34 total) & test mining. Underground: UR1, UR2, UR3, UR3A, UR4, UR5, UR6, UR7, UR9, UR10, UR11, UR12, UR14, UR15; Mine & geol mapping - detailed.	Old workings were bulk sampled which returned up to 0.32% Sn, but assay techniques are considered suspect and results should be disregarded.		Placer holes have no assay tables, but some intersections shown on cross-sections in reports.	65-0403, 65-0404, 66-0422, 67-0453, TR11-182-187

Geophoto	1968-1974	Dundas south & south-east. Prospect areas: West Comet - Hassett Gravel Pit, Razorback, West Comet, Platt and Bonanza Grids; Comet - Nth Comet & Comet-Kosminsky Grids; Kosminsky-Sth Comet: Comet-Kosminsky, East South Comet, Mariposa and Mt Dundas Grids; Kosminsky Hill West - part of Comet and Platt Grids; Kosminsky Hill East - Ainslie & part of Comet-Kosminsky Grids; Adelaide - Adelaide & Red Lead Grids; Carbine - Carbine East & Carbine West Grids. Silver Grid earlier.	(Pb, Zn, Ag). IP, Airborne EM, SP, Mag, Mapping, Geochem & 79 drill holes (drilling mainly along Kosminski's line to the SE of the Stellar licence).	Intensive drilling located Pb Zn Ag in several thin fissure veins separated by barren host rocks.	At Silver grid narrow discontinuous gossans were inferred to be an extension of the Red Lead grid area.	Didn't meet corporate objectives.	70-0704, 70-0692, 70-0682, 70-0680, 70-0662, 70-0645, 70-0618, 69-0583, 69-0548, 68-0506
Geophoto	1968-1974	West Comet Prospect. Partly within the SE of the licence.	Pb-Zn and Ni-Cr min within serpentinite. Gridding, geol mapping, soil & rchip. Hassett - Gravel Pit grid: 728 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr & 443 for Pt); Razorback grid: 309 soil and rchip (Cu, Pb, Zn, Ni, Ag); West Comet grid: 317 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr & some for Pt, Sn, As), 150 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr), 50 (BH line) soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr), 230 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr); Platt: 192 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr, Sn); Bonanza: 400 soil and rchip (Cu, Pb, Zn, Ni, Co, Ag, Cr). SP for most, Mag & VLF-EM for all. Drilling: West Comet 1969 DH WC1 - 7: WC1 142.34m, az 258, dip 65; WC1A 150.3m, az 220, dip 55; WC2 116.74m, az 263, dip 45; WC3 121m, az 0, dip 90; WC5 129m, az 90, dip 65; WC6 188m, az 90, dip 65. Platt P1 (outside EL).	Drilling results disappointing. WC1: Ni to 1700ppm, Pb to 6250ppm. WC1A: Ag gossan drilled, serp, weak sulph min at 200', gossan at 454' with Zn >1%, other best: Pb to 0.5%, Zn to 0.05%, Ag to 5 oz/t. WC2: to test gossan, SP, geochem anom, seds then gossan, hole abandoned, Ag to 5 oz/t, Pb to 0.5%, Zn to 0.34%. WC3: test SP anom, oxidised cap, gal & sph in carb rocks, Pb to 1.32%, Zn to 0.27%, Ag to 1.3 oz/t. WC4: to test gossan zones at 315-365', 502-522' & 445-502', 0-176' serp, dolo/tuff? & sltst to EOH, 613-621' 0.7% Zn. Poor recovery in gossans, no assays avail. WC5: test gossan, serp to 356', dolo to 424', hole abandoned, poor recovery, no signif min, no assays. WC6: serp to 478', talc/carb to 618', no signif min, no assays. Minor intersection of low grade min in one hole, led to a low priority target, not followed up. Platt-1: Sub-economic Pb, Zn, Ag in silic dolomite.		No further work was considered to be warranted.	69-0548, 72-0896
Geophoto	1968-1974	Comet Prospect. Outside to SE of licence.	Pb-Zn targets. Geol mapping, soil & rchip sampling, SP, mag, VLF-EM. 2 drill holes.			No further work was considered to be warranted.	70-0680

Geophoto	1968-1974	Kosminsky - South Comet Prospect. Outside to SE of licence.	Pb-Zn targets. Geol mapping, soil & rchip sampling (Pb, Z, Ag, Cd), SP, mag, VLF-EM. 20 drill holes at South Comet, 23 drillholes at Kosminsky Hill.	Drilling results were promising although reducing reserves to only 45800 short tons of 10% Zn or 13% combined Pb/Zn ore along the old known mineralised zone of the South Comet-Kosminsky mine.		Geophoto concluded that this prospect contained the only significant zone of mineralisation. The licence was allowed to expire.	74-0998, 70-0662, 70-0645, 70-0618, 69-0583
Geophoto	1968-1974	Kosminsky Hill West Prospect. Outside to SE of licence, 300m west of Kosminsky-South Comet line.	Pb-Zn targets. Geol mapping, soil & rchip sampling, SP, mag, VLF-EM. 8 drill holes.	Minor erratic lead/zinc gossans related to serpentinites.			70-0682
Geophoto	1968-1974	Kosminsky Hill East - Ainslie Prospect. Outside to SE of licence.	Pb-Zn targets. Geol mapping, soil & rchip sampling, SP, mag, VLF-EM. 7 drill holes.	Small tonnages of ore.		No further work was considered to be warranted.	70-0704
Geophoto	1968-1974	Adelaide Prospect. Within the SE of the licence.	Pb-Zn targets. Geol mapping, rchip sampling (126 for Cu, Pb, Zn, Ni, Co, Si), SP, mag, VLF-EM.	Results were discouraging.			71-0735, 72-0910
Geophoto	1968-1974	Carbine Prospect. Within the east of the licence.	Pb-Zn targets. Geol mapping, soil sampling 1 (48 for Cu, Pb, Zn, Ni, Co, Ag), soil sampling 2 (1816 for Cu, Pb, Zn, Ni, Co, Ag), rchip sampling (71 for Cu, Pb, Zn, Ni, Co, Ag), SP, mag, VLF-EM. Two drill holes, 1972, CW1 (157.43m, az 270, dip 55), CW2 (157.43m, az 270, dip 55). Tested geochem/VLF-EM anomalies.	Anomalous lead & zinc values were observed in the west of the grid. Drilling results were disappointing with no significant min intersected.			72-0896, 86-2584
Renison Ltd	1968-1987	Grand Prize (Fault), North Dundas Grid, Commonwealth Hill, Razorback Grid, Kapi, Carbine Hill, Serpentine Hill	(Sn, Cu, Asbestos, PGM). Gridding, mapping, Airborne EM, drilling. Soil/rock geochem (Sn, Cu, Pb, Ni, As), IP, Dighem, drilling.				

Renison Ltd	1968-69	Razorback grid (Razorback-Black Hill-Carbine Hill area)	Geol mapping/interp, soil sampling (Cu, Ni, Sn, Pb, As), Mag, SP, IP. 800' grid line spacing.	Broadly spaced lines disclosed geochem anomalism, esp along GP-RB trend on the west of the Dundas ultrmaffics. Geophysics: conductive zones defined, in the GP area in assoc with Ni geochem. Two areas of anomalous tin, one south of the Grand Prize Mine, the other immediately south of the Black Hill summit.	Razorback grid area has an electrical and magnetic structure similar to serpentine Hill. IP & mag signatures are predominant along the external edges of the serpentinite body. A series of magnetic anomalies along the serpentinite contacts were found to be due to a concentration of magnetite adjacent to the shears. Drilling into a series of coincident SP & IP anomalies assoc with high Cu & Ni values, showed that the cause was due to alteration of subhorizontal layers within the serpentinite bodies. Later soil sampling (1983-4) indicated that these soil anomalies may be spurious, due to suspected lab contamination, or alluvial tin.	70-0653, 70-0628: IP; 70-0608: grnd mag, geol, geochem; 83-2063: geochem contouring.	70-0608, 70-0628, 70-0653, 71-0784, 83-2063
Renison Ltd	1969	Razorback grid. Razorback-Black Hill-Carbine Hill area	IP survey to test Ni anomalies	Broadly spaced lines disclosed IP trends/anomalism over and adjacent to the Dundas ultrmaffics. In the GP area in assoc with Ni geochem.			70-0628, 70-0653, 71-0716
Renison Ltd	1969-70	Kapi fault, within & NE of licence	Kapi Fault grid cut. IP, SP and grnd mag surveys. Soil sampling				70-0653, 71-0716
MRT	1970	Arthur Mobile Belt	Report: Geology & prospectivity of the Arthur Mobile Belt, by Turner, Bottrill, Crawford & Villa.		Describes the setting of the AMB and outlines the styles of mineralisation (incl Alpine).		GSB70-4855
Gippsland Minerals	1970	Grand Prize workings	Geol mapping, rock chip sampling, two diamond holes GP 1 (56m, az 50, dip 74) and GP 2 were completed near the earlier MD 3 collar.	GP1 & 2 passed through GP fault (54m & 89m), into Dundas Gp seds. Low recoveries and assays were recorded. GP1: Sn: 6m at 0.07%, Cu: 0.5m @ 1%, Zn 1%, mass Py at 174-176'. GP2: Sn tr. The asbestos potential of the Razorback and Serpentine Hill ultramafic complexes was assessed.		Recoveries were only 10% and thus should be disregarded although traces of tin were recorded.	71-0761, 71-0763, 71-0764, 71-0809, 85-2449
Renison Ltd	1971	Razorback	Drilling: S277, S282 (1100'), S283, (S284 out of EL to nth)	S277: serp & seds, Ni to 0.23%; S282 to test broad IP, mag, geochem anom, intersected geophysical & geochem anom, but not contact. Remained in serpentinite. Ni at "normal levels" 0.1 to 0.2%, max 2990ppm; Sn to 250ppm; Cu to 100ppm in two small spikes; S283: serp & argillite.			71-0716, 71-0784

Renison Ltd	1971	Dundas ultramafics north central	Drilling: S286 (135m), S290 (153m). Rpt on asbestos.	S286 assayed: Cu to 100ppm (isolated highs), Ni to 1800ppm (spikey, not broad values), Sn to 350ppm (isolated highs). S290 not assayed. Chrysotile asbestos & magnetite present in serp. Initial study into asbestos potential showed that the serp contained strike-slip asbestos. Later detailed study showed that there was insufficient high quality chrysotile asbestos present.	High-quality asbestos content insufficient to be economic.	S286, S290 were asbestos holes. Core not at Mornington.	71-0784, 72-0883
Minops	1975	Razorback Mine	General progress rpt				75-1104
Renison Ltd	1976	Kapi fault, within & NE of licence	Kapi Fault grid, geol mapping, soil geochem (Sn, Cu, Pb, Zn, As, Ni), grnd geophysics - EIP, MIP, mag surveys	Two geochem anomalies defined, coincident with IP & mag. Kapi Grid resampled, to check 1976 results - anom Sn confirmed. Main anomalism is north of Stellar licence. Within licence, soil: Sn to 45ppm, Zn to 100ppm, Pb to 110ppm, Cu to 85ppm, Ni to 100ppm.	Drilling recommended.		77-1234, 79-1369
CSR	1976-1987	North Dundas - Razorback to Carbine Hill	(Sn Cu Pb Zn Au). VLF-EM, mag, IP, Dighem, Input, mapping, stream geochem, soil geochem & two drill holes re-logged.	Several geochem anomalies identified and followed up but more were drilled. Airborne geophysical anomalies were followed up by 7 unsuccessful holes.		Relinquished in August 1987.	87-2679, 87-2678, 86-2584
CSR	1976-78	Regional Dundas/Dundas North west adj to Grand Prize-Razorback trend (Area 2), south of Carbine Hill (Area 3)	Drainage (pan con, sshed) & rchip sampling. Total 104 rchip, 152 pancon, 368 sshed for program, for Sn, W, Sb, Cu, Zn, Pb, Bi, Ag, Ni, Co, Cr, Ba, F, plus selective analyses for Mn, Mo, W, As, Fe. Geological mapping. Follow-up work done on Razorback Grid, with the rest being outside of licence.	Seven main anomalous areas outlined. Of interest: Area 2: extn of GP/RB fault system anomalous for Sn, rchip to 300ppm Sn; Area 3: Dundas Gp carb sed's anomalous for Pb, Zn. Drainage Pb to 1800ppm, Zn to 450ppm.	Prospective for: Ag/Pb/Zn in 1/ upper sections of Oonah qtzite, 2/ adj to serpentinites (eg Adelaide Mine), 3/ Dundas Gp acid volcs; for tin: 1/ Renison Bell type, 2/ fault systems adj to serp; for Cu/Ni: mass sulph assoc with serpentinite.	Problems for drainage sampling include contamination from the numerous small mines and prospects, and from the presence of remnant Quaternary moraine containing minerals from untraceable sources.	79-1335, 84-2175, 86-2678
Renison Ltd	1977	Kapi fault, within & NE of licence	Diamond drilling (S 453, 486m) 600m nth of licence, line 1900N.	Dundas Gp sed's 70m, serp mafic & ultramafics 296m, lavas & spillites 120m. No anomalous values intersected, Sn max 0.1%.			78-1295
Renison Ltd	1978	Kapi fault, within & NE of licence	Diamond drilling (S 554: 401m) 700m nth of licence, line 2300N.	Calc/talc/chlorite/serp rock for most of length. Weak mag feature intersected. No anomalous values intersected.	Area potential down graded following drilling.		79-1369

Minops	1978	Razorback Mine	Seven drill holes: RZS1 (128.4m, az 279.5, dip 70), RZS2 (128.4m, az 279.5, dip 70), RZS3 (120.1m, az 262.5, dip 50), RZS4 (116m, az 272.5, dip 60), RZS5 (155.4m, az 262.5, dip 62), RZS6 (287m, az 283.8, dip 68), RZS7 (128.4m, az 279.5, dip 70)	RZS holes: no Ni assays. RZS1: 0-54 serp, 54-70 alt ultrabasic (Zn to 1900ppm), 70-92 talc carb conglom alt tuff (Zn to 1100ppm, Cu to 1300ppm) conglom blk Py shale. RZS2: 0-90 serp (Zn to 2200ppm), 90-106 'chert' & Py (Zn to 1600ppm, Cu 1300ppm), 106-121 blk shale to EOH (No Ni assays). RZS3: 0-62 serp, 62-72 talc/carb (Zn to 1800ppm), 72-92 'chert' qtzite (Zn to 2600ppm, Cu to 830ppm), 92-120 blk shale (incl 2.5m Zn 1300ppm). RZS4: 0-54 serp (Zn to 500ppm), 54-70 qtz/carb (low Zn etc), 70-82 talc carb (at 71m 1.66% Sn, Zn to 6400ppm, Cu to 950ppm), 82-97 conglom, 97-116 blk shale. RZS5: 0-88 serp, 88-123 talc carb, 123-136 'chert', 136-155 blk shale, (all assays low). RZS6: 0-113 serp, 113-173 talc carb (Zn low), 173-177 mass Pyrr (Sn to 5200ppm, Zn to 1.3%, Cu to 5800ppm), 184-207 transitional zone, 207-287 (Zn low). RZS7: 0-121 serp, 121-169 talc/carb (Zn 320ppm, Cu 1800ppm @ 169m), 169-182 conglom, 182-203 blk shale.		Minops RZS holes have some assays available, but not all. Core was re-logged by CRA in 1980.	81-1561, 89-2973
CRA	1978	Razorback Mine	Detailed report on prior exploration.			By J.G.Purvis	89-2937
CSR	1978	North & north west part of licence included.	Petrology				78-1303
CSR	1979	Razorback grid, west of Mt Razorback	Soil sampling, drainage sampling (Sn, Cu, Zn, Pb, Bi, Ag, Au, Ni, Co, Cr, Mo, W, Fe).	Anom Sn, Zn & Au assoc with high chromite contents, occur in two creeks draining the southern part of the grid. Pan con 1: 1000ppm Sn, 1200ppm Zn, 2ppm Au, 30.5% Cr, near faulted section of Brewery Junction Fm & Razorback conglom. Pan con 2: 10700ppm Sn, 1200ppm Zn, 220ppm W. Pan con 3: 2000ppm Pb.	Some mineralisation may occur on the western side of Mt Razorback.	Problems for drainage sampling include contamination from the numerous small mines and prospects, and from the presence of remnant Quaternary moraine containing minerals from untraceable sources.	80-1417, 80-1494, 84-2157

Renison Ltd	1979-80	Grand Prize fault structure	Two diamond drill holes in EL (S677, S652), two dh just west of EL (S653, S658)	S652 intersected Grand Reward fault, four alteration/vein min zones: 4.6m @ 0.01% Cu; 3.2m @ 0.04% Cu; 3.1m @ 0.07% Cu, 0.09% Sn; 14.5m @ 0.16% Cu. S653: Dundas gp silt sst grit conglom. Intersected GP at 214m & Grand Reward faults. Three min zones: 5.1m @ 0.08% Sn, 0.29% Cu; 39.3m @ 0.08% Sn, 0.32% Cu; 3.3m @ 0.04% Sn, 0.09% Cu. At 183m .8m 1.38% Cu, at 232m 2m 0.57% Zn, at 244m 2.7m 1.3% Cu. S658: Dundas Gp. Intersected Grand Lottery fault at 231-240m, one min zone: 6.6m @ 0.24% Sn, 0.16% Cu. S677 intersected GP & Grand Reward faults, two min zones: 0.9m @ 0.1% Sn, 0.35% Cu; 1.1m @ 0.04% Cu, 1.67% Zn.			80-1491, 83-2063, 85-2449
CRA	1980	Razorback Mine	Detailed report on prior exploration.	Incl: ore estimates.		By J.G.Purvis	81-1561
CRA	1980	Razorback Mine, and south of mine	Grid lines, IP, soil sampling sth of mine, three drill holes (DD81RC1-5). DD81RC1 (367.5m, az 270, dip 65); DD81RC2 (197m, az 262.5, dip 45); DD81RC3 (298m, az 262.5, dip 48). Compilation of CRA, Placer (R1.., U1..), Minops (RZS1-7) dh data. Orebody area & reserve estimates.	DH DD81RC1: 0-206m serp (Ni 1100ppm), 206-320 talc/carb (320-324m Ni 1800ppm, Zn 4100ppm, Cu 1.66ppm, incl 1.2m @ 0.83% Sn, 1.6% Cu, 75g/t Ag), then conglom basic volcs to EOH (324-345m sulphides unassayed); DD81RC2: test IP anom. 0-125m serp (no assays, not logged), 125-177 talc/carb (two narrow min zones, at 157m Sn 640ppm, Cu 2500ppm, Ni 830ppm; at 172.4m Sn 310ppm, Pb 830ppm, Zn 1.4%, Ni 1600ppm), 177-197 conglom, more geophysics req. DD81RC3: test talc/carb at depth. 0-227m serp, 227-267 talc/carb (at 264m, 1m to 5800ppm Zn, 8800ppm Cu), 267-282 variable talc/carb, 282-298m conglom. Anomalous soil geochem sth of RB mine, with one high geochem (Pb: 6950ppm, 1.45%, Zn: 1650, 1550ppm) anomaly occurring in assoc with a significant geophysical response, west of the old mill site on the Dundas Rivulet.	Drilling below Razorback not encouraging. No further drilling warranted. Most anomalous soil geochem is due to contamination, with one 'real' high geochem (?, Pb, Zn) anomaly.	CRA RC1-5 all assays; Minops RZS some assays, but not all; Placer R & U holes no assay tables, but some intersections shown on cross-sections in reports.	81-1561, 82-1724

Renison Ltd	1980-81	Grand Prize fault structure	Drill holes: S764; S862 (472m, az 95, dip 61)	S764: 0-640m silt, sst, conglom. Intersected Grand Lottery, GP & Grand Reward faults, four alteration/vein min zones: at 331m 14.1m @ 0.14% Cu; 10m @ 0.21% Sn; 0.23% Cu; at 441m 5.2m @ 0.05% Sn, 0.88% Cu; from 461m 179.0m @ 0.10% Sn, 0.06% Cu, incl 5m @ 0.45% Sn, 0.18% Cu. S862: 0-472 silt sst grit conglom, intersected GP fault at 185-217m (8.2m with no min) & Grand Reward fault at 335m (0.58% Cu, 0.05% Zn)			81-1609, 83-2063, 85-2449
Renison Ltd	1980-81	Black Hill	Geol mapping	Detailed mapping conducted, showing some more complex structures. Hornfelsing near the summit of Black Hill			81-1609, 81-1656, 82-1755, 82-1814
Renison Ltd	1981-82	Grand Prize area.	Drill holes S 947 (1982, 391m, az 118, dip 77), S 947A (650m, az 118, dip 77); S 969 (502m, az 96, dip 53); detailed geol	S947 391m. S947A was wedged off S 947 at 334m and intersected the Grand Prize Fault Zone with significant pyrrhotite mineralisation accompanied by arsenopyrite, chalcopyrite and pyrite. A second zone of pyritic, carbonate +/- sphalerite and galena was intersected. Base metal carbonate veins were recorded throughout the hole. An unusual tourmaline alteration zone was noted at 534.8m. Of six min zones the best assays (on the GP fault) were 0.82% Sn, 0.80% Cu, 3.8% As, 0.7% Pb, 0.4% Zn and 26 g/t Ag. S 947A @ 534.8m tourmaline alteration zone. S 969: 406.8-409.8 - 3m @ 5.21% Sn, 0.23% Cu, 13 g/t Ag 408.4-409.8 1.4m @ 10.93% Sn. Sn anomaly adjacent to the Razorback mine, from review of Placer's prior expln.	In drill hole S 969 which was drilled to test the Grand Prize Fault/Red Lead Conglomerate contact north-west of the Grand Prize Mine, five min zones were intersected. The best two: GP fault, 3m, 266.9-269.9m, assayed 0.96% Sn, 0.33% Cu, 0.38% Pb, 0.23% Zn; and Grand Reward fault, 3m, 406.8-409.8m assayed 5.21% Sn, 0.23% Cu and 13 g/t Ag in the Red Lead Conglomerate - carbonate beds. Petrology reports likens the mineralisation to the Renison Bell sill lodes. No gold or nickel assays were reported or believed to be assayed for. S969: 0-94 siltst, 94-447 silt siltst conglom carb, GP fault, (118-138 sulph min Cu to 0.35%, 263-293 patchy min incl 4m @ 0.53% Sn, 0.24% Cu, 0.10% Zn; 406-409m low min incl 3m @ 5% Sn, 0.24% Cu, 0.10 Zn) , 447-502 spillite (458m Cu 0.57%).		82-1814, 85-2449
MRT	1981	West Tas	Gravity survey				
CRA	1981	Razorback Mine	Geophysics EM report & gen geol. Dighem survey flown, Feb 1981.	EM anomalies defined. Interp from mag: mag high zones, geol boundaries, structures; from Dighem: resistivity trends.			82-1700

Renison Ltd	1982	Grand Prize Fault	Drill holes: GP3 (45m, az 46.5, dip 48); GP 3A (624.3m, az46.5, dip 52) on the Grand Prize Fault. DH GP 4 and GP 5 on the Grand Reward Fault structures, just nw of EL.	GP3: test Red Lead conglomerate contact with GP Fault, hole abandoned as incorrectly collared. GP3A: 0-259 Brewery Junction Fm (97.4m Zn 2560ppm), 259-449 RB conglomerate (417-421m Zn to 11200ppm, 449-484m Zn to 6350ppm), 460-482 GP Fault, 482-531 slate (506-511m Zn to 5550ppm then v low to EOH), 531-578 RL conglomerate, 578-624 Pyro, spillite, carb, serp, ultrabasic. Three min zones, GP fault - v minor; 507m fault, 3m @ 0.94% Sn, 0.82% Cu; 571m RL Conglomerate, 3.3m @ 0.33% Sn. GP4: test Red Lead conglomerate at GP fault. 0-213m slt (190-196m to 6300ppm Zn), 213-309m conglomerate (232-265m to 5100ppm Zn, at 290m 1940ppm Zn), 309-320m spillite. Two min zones with minor assays, the better 91.5m in RL Conglomerate @ 0.04% Cu. GP5: Test Red Lead conglomerate at GP fault. 0-183 fault & slt (at 156m .7m 4080ppm Zn), 183-197m conglomerate (183-188m to 4140ppm Zn), 197-220m spillite (at 212m .3m 5800ppm Zn). One very minor min zone on RL Conglomerate.		GP3A was drilled from GP3 which was terminated at 45m.	82-1814, 83-2063, 85-2449
Renison Ltd/EZ	1982	Carbine Hill area	Dighem survey was completed over Carbine Hill area.	One significant anomaly located on Carbine Hill.			
Renison Ltd	1982-83	Black Hill & Carbine Hill	Black Hill and Carbine Hill grids completed over virtually the entire outcrop area of Dundas Group sediments within EL 42/71. Minor geol mapping and stream sediment sampling. 1983-4: Reconnaissance surveys comprising geological mapping, soil geochemistry, ground magnetics, and V.L.F.-E.M. carried out.	Geochem anom n/nw of Grand Prize mine, assoc with aeromag anomaly and low order VLF-EM.			84-2183

Renison Ltd	1982-83	Grand Prize Fault structure	Drill holes GP 6 (505.7m az 58, dip 84), GP 7-8 (just nw of EL). Ground exploration on expanded grids.	GP6: 0-450m sed's, 450-456m carb/serp (GP fault: 2.8m in a 4.8m zone of 0.87% Sn, 0.78% Cu), 456-507m serp; GP7: Dundas Gp, 238-259m limestone, 259-370m conglom, 370-390m min fault breccia, 390-409m breccia & basic igneous. Intersected a 3.2m zone (fault) of 0.49% Sn, 0.35% Cu, 0.82% Pb, 0.62% Zn; GP8: 0-491 conglom/sltst, 491-504 carb/qtz vein, 504-556 alt microgabbro & serp. Encountered two min zones: GP fault, 1.2m @ 0.47% Sn, 0.21% Cu, 0.46% Zn; in the Red Lead conglomerate, with no recognisable fault structure, 2m @ 0.73% Sn, 0.07% Cu, and 2m @ 0.47% Sn, 0.22% Cu.	A continuous, narrow (ave 2m) linear zone of near-ore-grade Sn exists at 200 - 350m below the plain. Unlikely to be economic to mine.		84-2183, 85-2449
CSR	1984	Regional Dundas/Dundas North	Relinquishment rpt for area south-east of Dundas licence (Ewart Ck licence area). Dighem survey: line 15E just to west of licence near Mt Razorback.				84-2175
Renison Ltd	1984-85	Grand Prize Fault structure	Drill holes GP 9 (491.5m, az 43, dip 65), GP 10 & GP11.	GP 9: test poss carb's adjacent to GP fault & Dundas Gp sed's. 0-351m conglom, slate, conglom (Crazes fault at 170.9m, 9.4m Zn 0.07%), 351-491 serp (GP fault at 411m- no signif sulphides - 1-2% dissemin) intersected two very weak min zones on faults. GP 10: test mag body 150m below surface adj to GP fault. 0-322 basalt (282-323m Ni 0.1%, max 0.19%), gabbro, 225m carb, 322-343m serp. Intersected one very weak min zone (220m), and the GP fault (322m) assayed nil.			85-2449, 86-2563
Renison Ltd	1984-85	Black Hill & Carbine Hill	A number of grid lines on the Black Hill (1984) and Carbine Hill Grids (1985) were extended and several infill lines were also established. Geological mapping, rock chip, bedrock sampling (Sn, As, Cu, Pb, Zn) and ground magnetics survey. EM37 survey over Black Hill grid & sections of the Carbine Hill Grid.	Anomalous geochem contoured. N/nw extentions from GP mine area, & spotty highs on Black Hill.			83-2063, 85-2449, 85-2486

Renison Ltd	1985-86	Grand Prize Fault structure	Drill hole GP11A - redrill of GP11 (not assayed).	GP11: Carbine Hill greywackes; GP 11A experienced sever flattening and thus missed the target zone. 0-81.5m CH greywackes, 81.5 - 86.3 qtz/siderite vein filled area, 86.3m - 223.7 slt, sndst, conglom, 223.7 - 230.7m qtz/feldspar brecciated zone, 230.7 - 370.7m CH greywackes. Geochem poor: at 230m 1.2m with ZN 3490ppm; at 311.5m .5m @ Sn 49ppm, As 4912ppm, Cu 930ppm, Pb 8800ppm.	Subsequent downhole EM showed the body was probably an ultramafic rather than a high pyrrhotite lode. Concluded that the Grand Prize Mine was a narrow hydrothermal uneconomic tin mineralised zone. Sub-economic tonnage potential of 0.9m tonnes, ave grade 0.8% Sn, 0.7% Cu, in several min structures (Komyshan 1985). Width average 2.5m)		86-2563
CSR	1986	South of Carbine Hill (& west and nw of licence)	Two Geophoto holes, sth of Carbine Hill, re-logged (CW1, CW2); five holes drilled to the w/nw of licence (CG3 - CG7), nearest is CG6, 700m west of licence boundary.	Geophoto 1972 holes tested an area of geophysical (VLF-EM) and geochemical interest to CSR, core was located and re-logged. CW1: Shl/sst 0 to 51m, meta-dol 51-56m, graphitic shl 56-61m, sst/shl (graphitic jointing) 61-81m, meta-dol 81-96m, shl (graphitic jointing) 96-146m; graphitic shl's very conductive, and from 65-70m anom Pb/Zn (450ppm Pb, 2350ppm Zn). CW2: shl/sltst 0-93m, meta-dol 93-113m, shl 113-119m, meta-dol 119-127m, anom Pb/Zn (990ppm Pb, 3950ppm Zn). Holes explained the conductivity and the surface geochem for Pb/Zn, but not the Sn/Au as disclosed by the 1983 drainage sampling.			72-0896, 86-2584
Renison Ltd	1991-1992	Whole of EL101/87, incl Stellar licence area.	Gravity interp by Leaman.		Evidence against a blind Sn deposit in the Carbine Hill area.	Relinquishment rpt. Granite depth, gravity, geol maps incl.	91-3285, 92-3358
Pasminco	1996-1997	Dundas EL	Pb-Zn Reconnaissance work and mapping				
Pasminco	1997	Dundas EL	Literature search and geochem data analysis				97-4086

Pasminco	1999	Dundas EL	Helicopter electromagnetic (HEM) survey. April 1999.	A total of 14 HEM anomalies located by this survey were interpreted to warrant further investigation (McNeill and Simpson, 2000).	Not all the 1999 airborne-EM anomalies were followed-up in detail. Several considered to be due to shallow glacial cover. It is considered that the Dundas mineral field does not have the potential to host a Pasminco sized (>10 mt @ 20% Pb+Zn) ore deposit. No further work is therefore warranted at this stage.	No Pasminco HEM anomalies occur within the Stellar licence area. One HEM anomaly lies on the eastern side of Carbine Hill, 200m to the east of the licence. This anomaly was also detected by Stellar's 2008 VTEM survey over the Dundas licence. Another anomaly not detected by Pasminco was on the Kapi fault, 125m north of the Stellar licence boundary.	00-4413, 01-4607
Discovery Nickel	2004-2006	Dundas EL21/2004	Literature and data review; limited GIS capture & rock chip sampling.	Area considered as having nickel prospectivity.		Licence sold to Stellar Resources in 2006	
Stellar Resources	2006-2008	Dundas EL21/2004	Thorough literature search/review, data review, GIS data capture and map production.	Geophysical/geochem targets defined.		Licence purchased by Stellar 2006	AR2007
Stellar Resources	2007	Grand Prize - Razorback Tk south of Grand Prize Mine.	Rock chip sampling for Ni, Zn, over geophysical/geochem anomaly area.	Background levels of Ni (0.2-0.3%), Zn assays ave 70ppm, max spike 450ppm.	Sampling did not disclose any data useful for dh siting.		AR2007

Stellar Resources	2007	Carbine Tk in SE of licence on south-eastern side of Dundas ultramafic body.	Drilling: BHD1 (16May07, 277.7m, az 360, dip 55), BHD2 (23Jul07, 502m, az 360, dip 50). Both to test geophysical/geochem targets on south-eastern side of Dundas ultramafic body for Ni mineralisation.	BHD1: The hole drilled 277.7m of serpentinite including an altered zone from 12.9-69.3m, correlating with the Mirloch site. The alteration comprised cherty and jaspoidal silica grading down hole to a black softer earthy lithology. The alteration zone was totally demagnetised, contained traces of visible sulphide and returned anomalous zinc and lead assays, up to 1472 and 654ppm. Fresh sheared serpentinite from 69.3 to EOH showed no alteration and no increase down hole in nickel content or magnetic susceptibility. Nickel concentration down the entire hole, including the alteration, ranged from 0.1-0.2%. BHD2: The hole drilled 502 metres of uniform serpentinised dunite with prominent foliation and frequent small shears enriched in magnetite, asbestos, non calcareous carbonate and white talcose and fibrous serpentine minerals. No signs of alteration were recognised and no contacts were intersected. Background nickel values of 0.1-0.2% and consistent but spiky high magnetic susceptibility are constant to EOH.			AR2008
Stellar Resources	2008	West of and further north along Grand Prize-Razorback Tk south of Grand Prize Mine; a northerly line from area of DH S286, S290; a northerly line from Stellar DH BHD2.	Soil & rock chip sampling for Ni, Zn, over geophysical/geochem anomaly areas.	Rock chip sampling across the serpentinite Dundas Group sedimentary rock contact clearly show that the background nickel content of the serpentinites averages about 0.2%, in contrast to the Dundas Group wackes and shales which carry about 100 ppm nickel. As with the drilling results, there is no evidence in the rock chips of nickel enrichment over the magnetic anomalies along the edge of the serpentinite body. Nickel content in the surficial ironstones ranges from 306 to 3748 ppm but overall provides no support for nickel laterite prospectivity in that area.	Nickel content in the surficial ironstones ranges from 306 to 3748 ppm but overall provides no support for nickel laterite prospectivity in that area.		AR2008

Stellar Resources	2008	Dundas EL21/2004	VTEM survey flown 12-19 april 2008.	Two only VTEM anomalies within the licence, with two previously known anomalies just outside the licence. Within licence: 1/ near Dundas town site - considered spurious/cultural; 2/ right over the underground workings of the Razorback mine, with no extensions or others nearby. Outside licence: 1/ on Kapi fault 125m north of licence boundary; 2/ on eastern side of Carbine Hill, 200m east of licence boundary, as prev located by Pasmaenco.	Disappointing result, reducing the prospectivity of the licence.		A373 Report
Stellar Resources	2008	Razorback Mine & Grand Prize Mine	Capture, correction, compilation & 3D modelling of orebody data.	3D model produced and orebody extents, tonnage and grades estimated.	Estimates and conclusions derived by CRA in 1980 were agreed with - that a large enough resource to suit modern mining was unlikely to be present.		Dundas Razorback Grand Prize Project 3D Review Thorp 2008
Stellar Resources	8/04/2009	Dundas EL21/2004	Ahern's prospect area; rock chip sampling x 5 to check Geophoto (1970) assays showing Pt. Co-ord centre: 369885mE, 5362440mN (GDA94).	Pending		Sampled by RH & AMR	