

EL 25176 PREVIOUS TENURE

TENURE	REPORTS	COMMENTS
AP 1873	CR1969-0048	Completion report on AP1773 and AP1873 Daly River, Finnis River, Northern Territory. Examination of cuttings from water bores and a program of augering on the laterite and limestone outcrop failed to give encouraging results for bauxite or phosphate.
AP 1944	CR1969-0041	Exploration programme, Victoria River Area. Geophysics / Aerial radioactivity surveys /
EL 656	CR1972-0051	Progress report Victoria River Project. A report on the program undertaken but no results included. Recommendations for further methods discussed and target areas delineated. Only the Archaean and Early Proterozoic rocks contained on the block are prospective for major uranium deposits.
	CR1972-0090	Final report, Victoria River Project, N T. Uranium target areas were evaluated during 1972 with negative results.
	CR1984-0155	Assays of diamond core from NTGS Core Library samples from Emu Point or Emu 2 Uranium prospect (DH1 and DH2) sampled on 19-06-1984. Assay results of drill core sampling.
EL 677	CR1973-0239	Annual report on exploration, Daly River, N.T. Minor magnetic and geochemical anomalies did not warrant further work. (?U exploration??)
EL 1236	CR1977-0152	EL 1236 Daly River, NT Annual report for 17-09-1976 to 16-09-1977. Geophysical anomalies investigated but no follow up work justified. Presence of chert below Burrell Creek Formation gives encouragement for potential stratabound uranium concentrations.
	CR1978-0147	Annual report on 1977-1978 exploration, Daly River, NT. 116 RAB drill hole totalling 794m. Sandstone / Granitic rock / Migmatite / Dolerite / Schist / Uranium exploration / Unconformity / Field geology / RAB drilling / Bedrock / Scintillometers / Stream sediment maps / Stream sediment sampling / Reconnaissance. Berinka Volcanics were considered a target of base metal. Results indicate its potential is low.
	CR1978-0148	Lewis, RW. Placer Austex; Final report on exploration, Daly River, NT; 116 RAB drill holes for a total of 794m; Work done failed to identify any targets for uranium or base metal deposits. Only radioactivity located in Namoona Sandstone units of the Noltenius Formation.
EL 1405	CR1978-0033	Annual report for 1977, Hermit Hill. Based on data collected, an air photo interpretation of the geology is worthwhile.
	CR1978-0170	Report for 12 months to 5 September 1978, Hermit Hill. Airborne magnetic-radiometric survey should be carried out.
	CR1979-0192	Report for 12 months to 5 September 1979, Hermit Hill. Limited non-core stratigraphic drilling will be carried out in metasediments near Hermit Hill granite.
	CR1980-0228	Report for 12 months to 5-9-80, Hermit Hill. No base metals seen in drill hole cuttings and no significant radioactivity was detected. Further shallow drilling required with geological mapping.
	CR1981-0313	Annual Report Litchfield U J-Venture V1. AOG Minerals; AOG Minerals; Union Oil Development Corporation; Radioactivity surveys / Radioactivity survey methods / Geochemical sampling / Soil sampling / Rock chip sampling / RAB drilling / Down hole geophysics / Geological mapping / Uranium exploration / Uranium deposits / Traverses / Ground magnetic surveys / Scintillometers / Gridding / Petrology; Approx 501 RAB drill holes totalling 9,126m; Detailed ground and aerial magnetic surveys detected anomalous radioactivity. No significant radioactive source was located but some base metal anomalies were considered for further attention.
EL 1408	CR1978-0034	AOG Minerals; Union Oil Development Corporation; Annual report for 1977, Anson Bay. No obvious radiometric anomalies found, air photo interpretation and stratigraphic investigation of non out-cropping lithologies is considered worthwhile.
	CR1978-0171	Anson Bay, Report for 12 months to 15-9-78. No obvious radiometric anomalies were found.
	CR1979-0193	AOG Minerals; Union Oil Development Corporation; Report for the 12 months to 5-9-79, Anson Bay. Ground follow up of airborne radiometric anomalies identified 6 areas for further work.
	CR1980-0227	Report for 12 months to 5-9-80, Anson Bay. Percussion drilling / Geophysics / Geochemistry / Soil sampling / Geological surveys / Geology / Uranium / Base metals / Proterozoic / Metamorphism / Petrology / Radioactivity logging; None of the radiometric anomalies tested gave positive results, further drilling recommended.
	CR1981-0292	Annual report on exploration to 5-9-81, Anson Bay. Revision of geological boundaries. No significant levels of radioactivity noted. Randomly scattered copper values less than 80ppm from six holes in area drilled.

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	CR1981-0313	Annual Report Litchfield U J-Venture V1. AOG Minerals; AOG Minerals; Union Oil Development Corporation; Radioactivity surveys / Radioactivity survey methods / Geochemical sampling / Soil sampling / Rock chip sampling / RAB drilling / Down hole geophysics / Geological mapping / Uranium exploration / Uranium deposits / Traverses / Ground magnetic surveys / Scintillometers / Gridding / Petrology; Approx 501 RAB drill holes totalling 9,126m; Detailed ground and aerial magnetic surveys detected anomalous radioactivity. No significant radioactive source was located but some base metal anomalies were considered for further attention.
	CR1983-0090	Diamond investigations. Results negative
EL 1599	CR1978-0149	Preliminary assessment of the prospective value for uranium. Some radiometric anomalies require further work. Magnetic anomalies exist.
	CR1979-0167	Elizabeth Downs, N.T. Report for year ending 7-8-79. Five anomalies examined but none showed sufficient potential to justify further work. A large part of the area is radiometrically opaque and ground magnetics programme is currently underway to delineate a contact zone beneath alluvium.
	CR1980-0217	Elizabeth Downs, Annual report for year ending 7-8-80. Percussion drilling / Radioactivity surveys / Geophysics / Aerial magnetic surveys / Geochemistry / Radiometric anomalies / Geochemical anomalies / Regional geology / Uranium / Archaean / Proterozoic / Radioactivity logging; No conclusions made
	CR1981-0247	EL 1599, Elizabeth Downs, Final report. EL relinquished due to discouraging results.
	CR1981-0275	Final report, EL 1599, Pine Creek. No evidence of kimberlite indicator minerals.
	CR1980-0249	A structural and metamorphic assessment of the Suttons, Welltree area, with preference to uranium mineralisation. The minerals identified, metamorphic grades and the presence of associated granites and migmatites suggest this belt of rocks represent low pressure type metamorphic terrane similar to the East Alligator region of the Northern Territory.
	CR1981-0309	A reassessment of structural and stratigraphic aspects of rocks in the Suttons, Welltree area, Northern Territory; This report describes results of a reassessment of the Sutton's-Well Tree area. High grade metamorphics in the Sutton's-Well Tree area probably represent a highly metamorphosed Early Proterozoic sequence similar to the Nimbawah Complex in the East Pine Creek area.
EL 1965	CR1980-0249	A structural and metamorphic assessment of the Suttons, Welltree area, with preference to uranium mineralisation. The minerals identified, metamorphic grades and the presence of associated granites and migmatites suggest this belt of rocks represent low pressure type metamorphic terrane similar to the East Alligator region of the Northern Territory.
	CR1981-0309	A reassessment of structural and stratigraphic aspects of rocks in the Suttons, Welltree area, Northern Territory; This report describes results of a reassessment of the Sutton's-Well Tree area. High grade metamorphics in the Sutton's-Well Tree area probably represent a highly metamorphosed Early Proterozoic sequence similar to the Nimbawah Complex in the East Pine Creek area.
	CR1980-0083	Report for year ending 3-1-80, Twin Peaks, Chilling Creek. No direct evidence of uranium. Several unexplained radiometric anomalies require follow up.
	CR1981-0073	Annual report, Twin Peaks, year ending 03-01-1981; Buffalo Fly Prospect / Chilling Creek; No uranium or other mineralisation has been found, however, several geochemically anomalous areas have been delineated
	CR1981-0276	Exploration Licence 1965 Annual Report; Anomalous concentrations of the rare earth elements La, Nb, Sr detected. Presence of high tin and W values indicate the presence of pegmatite.
	CR1982-0145	Mobil-Suttons J-V EL 1965 Twin Peaks Annual Report to NT Department of Mines & Energy for year ending 03-01-1982. 102 RAB drill holes for a total of 1,279m; Geophysical anomalies due to graphitic schist. Geochemical anomalies insignificant
	CR1983-0066	Exploration licence 1965, Twin Peaks annual report to the Northern Territory. 153 RAB drill hole for a total of 2,787m. Generally uranium results were disappointingly low. Further work planned on Cu-nickel anomaly
	CR1983-0200	Final Report on Exploration for Platinum Group Metals and Chromite. Complex downgraded due to lack of resemblance to areas where concentrations of Platinum and chromium exist.
EL 3188	CR1983-0071	Final report, 26-11-81 to 19-8-82. Ashton Mining No anomalies of merit were delineated.
EL 4070	CR1984-0085	BHP Minerals; Final report April 1984, Exploration Licence 4070, Fish Billabong, Northern Territory. No kimberlitic indicator minerals were found, no further work is warranted. EL relinquished.

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EL 4650	CR1986-0120	First annual report on Chilling Creek, November 1985. 18 RC drill hole, totaling 1,573m 2.5 km of costean; EL 4650 Chilling Creek contains gold mineralisation at Terry's prospect. Work there has included soil and rock chip geochemical sampling, ground magnetics, geological mapping, 18 RC holes and 3.25 km of costeans. A regional stream sediment survey was also conducted over the whole EL. Although some ore-grade drill intersections and surface geochemistry were obtained, nothing economic has been located.
	CR1986-0276	Second Annual report on Chilling Creek NT year ending 21-8-86. Terrys Prospect / Bubbles Prospect / Specky Creek
	CR1987-0182	Annual report, third year on Chilling Creek, NT, year ending 20-08-1987. Chilling Creek / Terrys Prospect; IP survey revealed two strongly anomalous zones, which should be tested by percussion drilling. The bulk cyanide leach gold anomaly requires ground investigation.
	CR1988-0361	Fourth Annual Report Chilling Creek year ending 20-8-88 VOLUME 1. Various cuttings stored at company from holes TRP19-TRP36
	CR1989-0069	Relinquishment report EL 4650, Chilling Creek years 3, 4 and 5; None of the assay results gave much encouragement and so these areas were chosen for relinquishment.
	CR1989-0603	EL 4650 Chilling Creek 5th annual report year ending 20 August 1989; The geochemical survey in the western block did not outline any new anomalous zones. A cluster of anomalies was outlined at the southern boundary of the eastern block which requires further examination.
	CR1989-0604	Chilling Creek report on area relinquished end 5th year; Bubbles Prospect / Fletchers Gully Mine / Terrys Prospect; Several low order gold anomalies occur in the northern part of the relinquished area. At the Bubbles Prospect gold occurs as a long intermittent quartz-sulphide vein, hosted in the Chilling Sandstone. The width discontinuity and access difficulties make it uneconomic.
	CR1991-0024	Final report Chilling Creek; During the sixth year of the licence the work concentrated near Specky Creek. Costeans located a small high grade quartz vein 10cm wide over a strike of 25m with insitu assays to 30g-t Au and elluvials to 119g-t Au. The area is now under MCN's 3994 and 3995. A stream sediment survey was undertaken in the eastern block of EL4650 resulting in a cluster of anomalies. Follow up found the likely source to be a long quartz reef with occasional limonite staining. In summary during the six years of the licence a number of gold occurrences were highlighted but none were of a sufficient size or tenor to be economic.
EL 4746	CR1986-0217	First annual report Twin Peaks; Future work will focus on investigating the area containing the stream sediment rare earth anomalies.
	CR1987-0161	Second annual report Twin Peaks year ending 1 July 1987; Analysis of heavy mineral concentrates from streams draining restricted areas of basic and ultrabasic rocks did not show any PGM anomalies. Further ground investigation is needed.
	CR1988-0389	Third annual report on EL 4746 Twin Peaks year ending 01-07-1988; Exploration for gold unsuccessful but widespread rare earth, titanium and other element anomalies detected.
	CR1989-0353	Final report January 1989; Stream sediment sampling was unsuccessful in locating any gold occurrences or platinoids. Rare earth anomalies were attributed to the concentration of monazite from country disseminations in finer fractions and a similar concentration process is believed responsible for high titanium concentration.
EL 5295	CR1988-0412	Annual report on EL 5295 (Litchfield) for year ending 30-09-88. Geochemistry / Fluvial sediments / Gold / Base metals / Tin / Tantalum / Platinum / Granite / Metamorphism / Proterozoic; Except for some weak anomalism results negative.
	CR1989-0826	Annual and Final Report of Exploration Activity on EL 5295 Litchfield, for period ending 5 September 1989. 9 areas were highlighted after the statistical analyses of results from year one exploration. Follow up during the second year of exploration did not enhance these anomalies. The potential of the area has been downgraded. The area subsequently being relinquished.
EL 5336	CR1990-0507	Meade, RA. Geopeko; Suttons Motors; First annual report EL 5336; Ten percent of the EL was covered in a low level magnetic-radiometric survey. 3 magnetic anomalies DR402, DR405, and DR410 and a radiometric anomaly DR404 were outlined. It is believed that the magnetic anomalies are attributable to subsurface mineralised bodies similar to known occurrences north of the Daly River Copper Mine The radiometric anomaly is related to the Litchfield Complex.

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	CR1991-0363	Second annual report; 4 percussion-diamond holes totalling 797m (AADH1-4); 460 line kilometres of airborne electromagnetic survey (GEOTEM) were undertaken. 6 anomalies (DR411 to 16) worthy of follow up were outlined as were several others of lower priority. 12.5km of SIROTEM was undertaken over Anomaly A, Knowles Farm, DR411 and DR412. Several conductive bodies appear to exist at Anomaly A. These bodies dip steeply to the west or near vertical with the dip decreasing to the south. DR411 (687790mE, 8487480mN) has a very good near surface conductor, which dips steeply with an overall strike length of 300m. Anomaly 411 is near a significant site. The work over SR412 (682630mE, 8497400mN) returned confusing results. 120 rock chip samples were collected. Anomalous values were obtained from Kiwi Hill (1.15ppm Au and 15.3% As). This was supported by the result from auger soil sampling, Empire Mine (Au 1.08ppm, 8.8% Cu and 0.12% Zn), Hill 4-Wallaby Mine (0.41ppm Au, 3.78% Cu, 5.3% Pb, 1.02% Zn and 6.2% As). All are located on the margins of Warr's Volcanics and the contact of the volcanics with the Burrell Creek Formation.
	CR1992-0331	Third annual report; 4 percussion-diamond drill holes 7500m vacuum drilling AADH5 AADH6 and KFDH12; The work undertaken at Anomaly A has downgraded the size of the resource. Drilling has shown the mineralisation to be associated with pyrrhotite pyrite and sphalerite contained in a west facing andesitic flow. NW of Anomaly A there is the possibility of a magnetic body. Drilling at Knowles Farm indicates that the anomaly is due to fine-grained magnetite in rhyolite, while the EM conductors believed to be surficial material. The aircore-vacuum drill programme at Wallaby Hill has defined a zone of zinc anomalism (1.33% Zn, 5200ppm Pb and 38ppb Au Max)
	CR1993-0483	Fourth Annual Report 1993, Exploration Licences 5333 - 40 inclusive, Daly River NT; Work completed consisted of a comprehensive literature review and reconnaissance rock chip sampling (some 107 samples) returning maximum assays of 1.93%Cu, 1.89%Pb and 5800ppm Zn. Anomalous gold values were also obtained maximum 0.33ppm. These anomalous values are associated with known anomalies.
	CR1994-0573	Fifth annual report 1994 ELs 5336-40, 7308, 7390, Daly River, NT 12-05-1993 to 11-05-1994; During the anniversary period work completed consisted of a review and implementation of previous explorers work plus field checks, reinterpretation of 1989 airborne magnetics, geological mapping and rock chip samples. Rock chip sampling in the vicinity of known prospects. Some elevated values obtained but not regarded as significant.
	CR1995-0210	Daly River, NT, EL 5336, relinquishment report 1995; Analysis of airborne magnetics-radiometrics located 3 magnetic and 1 radiometric anomaly. The radiometric anomaly was followed up by a scintilla- meter survey and 2 rock chip samples. The magnetic anomalies were variably followed up by ground magnetics and shallow aircore drilling. Anomalous gold values were obtained from DR42.
	CR1999-0344	Summary surrender report exploration licences 5336. For the period 12 May 1989 - 11 May 1999; The tenement was covered in the first year with an aeromagnetic and radiometric survey and highlighted three magnetic anomalies ie DR402, 404 and 410. A ground Scintillometer survey was completed in year two. In year three a ground magnetic survey was completed over DR402 and part of the licence covered by Troy Resources only desktop studies have been completed as access to the ground was restricted. 6/8/99
EL 6338	CR1990-0090	EL 6338 Daly River first annual report on exploration; It is postulated that the Mulluk Mulluk volcanics represent a felsic submarine volcanic pile which may be conducive to the formation of gold-base metal mineralisation. Copper and nickel results from the two grids appear low and were disregarded. Emphasis will be placed on the gold-barium results. In Soil Grid #2 there was a gold-barium anomaly to the east of the rock contact of the northern most grid line this area is worthy of follow up.
	CR1991-0267	Final report on exploration Daly River; The report summarises the work undertaken during the life of the tenement. No work was undertaken during the second field season. During the first year soil geochemistry was undertaken in two grids. Several low order gold-base metal anomalies were outlined.
EL 6538	CR1991-0113	Annual report Chilling Creek 31 January 1990 to 30 January 1991; Base metals / Gold / Stream sediment samplingStream sediment sampling produced a series of anomalies in the northeast of the EL which require follow up.
	CR1992-0584	Annual report EL 6538 Chilling Creek; Work during the first year of tenure highlighted a series of anomalies in the NE of the licence. The anomalous zones were traversed and rock chip sampled. This work suggests that the anomalies are associated with quartz veining within or near the Giants Reef Fault Zone. The veins are generally hosted by Burrell Creek Formation. They form a discontinuous zone up to 4km in length, however, individual pods are too small patchy and low grade to warrant follow up.

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EL 6648/ 6651 / 6652	CR1991-0438	ELs 6647 to 6652 (Tipperary), annual report, for the period ending 21-06-1991. Cr2O3 - Chromite, Indicator minerals, Micro diamonds; programme of stream sediment and soil sampling of the licences had began during the reporting period. A total of 478 samp
	CR1992-0539	Partial relinquishment report for ELs 6647 to 6650, 6652, 7380 to 7382 and final report for EL 6651, for the period ending 21-06-1992. A programme of stream sediment and soil sampling of the licences was conducted. A total of 741 heavy mineral samples hav
	CR1993-0498	Tipperary area, ELs 6647-6650, 6652, 7380-7382, annual report for the period ending 21-06-1993. 4 RAB drill holes totalling 134m; During the reporting period 3 anomalous chromites were followed up with close interval heavy mineral sampling. Follow up of t
	CR1993-0550	Tipperary area, partial relinquishment report for ELs 6649, 6650, 7380, 7381, 7382 and final report for ELs 6647, 6648, 6652, for the period ending 21-06-93; 2 RAB holes for 70m; The first phase of exploration on the relinquished areas essentially involve
EL 7086	CR1992-0558	Final Report EL 7086. Results of loam and gravel sampling were negative for diamonds and kimberlitic indicator minerals.
EL 8211	CR1994-0835	Annual report on EL 8211, Pine Creek, NT covering the period 26-10-1993 to 25-10-1994; Geochemical sampling was undertaken in two areas-Chilling Creek Ridge and over Twin Peaks Hills. Numerous anomalous gold values were obtained with a maximum value of 150ppb Au being obtained from soils, and 498ppb Au from rock chip sampling. Sampling undertaken included 46 rock chip, 454 soil and 23 stream sediment samples.
	CR1995-0816	Annual report on EL 8211 Pine Creek NT covering the period 26-10-1994 to 25-10-1995; 7 stream sediment, 248 soil and 52 rock chip samples were collected. A ground magnetic survey and 1:5000 geological mapping was also completed. A zone of anomalous gold in soil was outlined.
	CR1996-0863	Annual report on EL 8211 Pine Creek NT; 122 rock chip samples taken. 11 samples assayed greater than 1ppm (1.16 to 14.7 ppm Au), 37 samples assayed between 0.1 to 1ppm Au. Follow-up sampling at the southern end recorded low gold values in the range of 0.05 to 0.27ppm.
	CR1998-0037	Annual report on exploration licence 8211 Pine Creek, Northern Territory, covering the period 26 October 1996 to 25 October 1997; 5 RC holes; Exploration work carried out during the fourth year of tenure included 245 rock chip composite channel samples, 19 composite rock chip trench samples and the drilling of 5 RC holes totalling 470m with 155 composite drill samples. Surface sampling revealed encouraging values, which could not be repeated in the RC drilling. Low level Au mineralisation was restricted to narrow greywacke beds of 2-6m. The drilling returned 0.61g/t Au over 3m from CCRCO2 and 0.37 g/t Au over 6m from CCRCO3. Exploration was targeted mainly for gold.
EL 9556	CR1997-0771	Omotosh, S. Aztec Mining Company; 57 stream sediment samples and 2 duplicates were collected from EL8606 with a further 48 samples and 2 duplicates in EL9556. Au, Ag and Cu values are not regarded as anomalous.
	CR1999-0175	Final report for exploration licence 9556 Daly River project Northern Territory 01-10-96 to 30-09-98; 48 stream sediment samples were collected in year 1 and assayed for Au, Ag and Cu; during year 2 the same samples were assayed for their base metal content. No base metal anomalism was obtained. For location of samples refer CK 97/771. Minor gold anomalism was obtained in two areas.
EL 23106	CR2004-0298	Annual/Final Report Exploration Licence 23106 13th February 2003 to 30th January 2004 Hermit Hill Project; Hermit Hill is located 150km south-southwest of Darwin in the Daly River area of the Northern Territory. The project area is underlain by the relatively under-explored rocks of the Litchfield Complex that has been correlated with portions of the Halls Creek Mobile Zone to the southwest in Western Australia. Several studies have proposed that the igneous and metamorphic rocks in the two areas are linked via large lateral displacements along the Halls Creek and Giant's Reef Fault Zones and it is upon this correlation that the conceptual Hermit Hill Project is based. Mafic and ultramafic rocks at Hermit Hill are interpreted to be equivalent to the recrystallised gabbros, norites and pyroxenites at Bow River and Corkwood and hence are regarded as having significant potential for massive sulphide Ni-Cu-Co- PGM deposits. The probable correlation between the Daly River area of the Northern Territory and the Halls Creek-Kununurra region of WA also suggests there is potential at Hermit Hill for rare earth element and possibly niobium-tantalum deposits associat
EL 23728	CR2004-0328	EL 23728 in the Pine Creek Orogen was held by Southdale Holdings. No work whatsoever was undertaken and the tenement surrendered in year 1.