## EL28567 Running Creek – Background information

<table>
<thead>
<tr>
<th>TEN NUM</th>
<th>company</th>
<th>commodity</th>
<th>exploration_done</th>
<th>tenement overlap</th>
<th>relevance</th>
<th>comments</th>
<th>COMPANY_REPORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL7174</td>
<td>CRAE</td>
<td>Au</td>
<td>Percussion drilling/assaying, ground magnetics, rock chip assays, stream sediment sampling</td>
<td>10</td>
<td>L</td>
<td>significant coincident cobalt/copper intercepts at Stanton Prospect elevated Cu assay of 1.02% - rock chip sample Minor basemetal mineralisation</td>
<td>CR1992-0188, CR1993-0190</td>
</tr>
<tr>
<td>EL8413</td>
<td>CRAE report</td>
<td>Co-Ni-Cu</td>
<td>Diamond/percussion drilling, soil sampling, IP survey</td>
<td>50</td>
<td>1</td>
<td>0 0 Main focus on Stanton Prospect in mining leases, Co-Ni-Cu resource - 788000 tonnes @ 1762 ppm CoEqv</td>
<td>CR2002-0102 - contains spreadsheets of all drilling, collars, assays, surveys - no gamma logs in digital form.</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Target</td>
<td>Approach</td>
<td>Degree</td>
<td>Notes</td>
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<tr>
<td>EL22251</td>
<td>Legend Int. Holdings</td>
<td>Au, Cu, Pb, U, diamonds</td>
<td>lit rev. soil samp, geochem, drilling.</td>
<td>Adj</td>
<td>L</td>
<td>No field exploration. Targets identified from detailed literature studies. Encouraging high grade phosphate material within the basal sandstone unit of Karns Dolomite. Drilling program failed to confirm vertical or lateral extent of deposit.</td>
<td></td>
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<tr>
<td>EL5468</td>
<td>CRA Ex.</td>
<td>Au/Diam</td>
<td>geomap, phosphate, rock chip, geochem, mineralogy, stream sed, various drilling</td>
<td>100</td>
<td>L</td>
<td></td>
<td></td>
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<tr>
<td>EL4077</td>
<td>CRA Ex.</td>
<td>Diam</td>
<td>Air geophys, photogeo, soil samp, stream sed</td>
<td>95</td>
<td>L</td>
<td>Focus on search for Kimberlites and follow up of U &amp; K radiometric anomalies. Higher counts (660cps) observed associated with flaggy grey phosphatic siltstone/sandstone within the Masterton Sandstone.</td>
<td></td>
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<tr>
<td>AP444</td>
<td>MIM</td>
<td>U/Cu/Pb</td>
<td></td>
<td>10</td>
<td>M</td>
<td>MIM final report 1956 - Large area south of tenement explored by MIM.</td>
<td></td>
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<tr>
<td>EL1613</td>
<td>BrokenHill/Dampier Min.</td>
<td>Mn</td>
<td>various drill, fossils, base met, flucial sed</td>
<td>Adj</td>
<td>L</td>
<td>Dampier Mining Ltd now BHP Minerals 1977 - 1981 - Exploration for Groote Eylandt style Manganese Oxide deposits. No significant MnO or base metals found. A total of 508m was drilled in 28 holes.</td>
<td></td>
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<tr>
<td>AP3239</td>
<td>Euralba Min/CRA Ex.</td>
<td>breccia</td>
<td>photogeo, recon,</td>
<td>20</td>
<td>L</td>
<td>JV with Euralba to investigate photo-interpreted features. It was concluded that the features are the expression of natural variations in topography and vegetation, unconnected with mineralised breccias.</td>
<td></td>
</tr>
<tr>
<td>AP3230</td>
<td>Euralba Min/CRA Ex.</td>
<td></td>
<td>photogeo, recon</td>
<td>65</td>
<td>L</td>
<td>As above.</td>
<td></td>
</tr>
<tr>
<td>EL2564</td>
<td>ANZECO/Arnhem/AAR</td>
<td>U/Cu</td>
<td>various drill, regional geo, base met, photo, grav,</td>
<td>5</td>
<td>H</td>
<td>AAR Ltd - anomalous U in surficial phosphatic zones in Masterton Formation</td>
<td>CR1982-0041,CR1982-0371,CR1983-0171</td>
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<tr>
<td>EL 1875</td>
<td>CRA Ex.</td>
<td>U</td>
<td>Diam drill, air geophys and radioactivity, fluvial seds</td>
<td>10</td>
<td>H</td>
<td>45 uranium gamma-ray anomalies were investigated by a helicopter borne spectrometer system and by ground traversing. Two diamond drilled - NSI</td>
<td>CR1980-0032</td>
</tr>
<tr>
<td>AP2167</td>
<td>CundillMeiers&amp;Ass. US Steel Int Inc.</td>
<td>Mn</td>
<td>?</td>
<td>100%</td>
<td>L</td>
<td>Searching for Mn. U exploration was carried out concurrently with other phases of the exploration program. No above background readings encountered.</td>
<td>CR1970-0075</td>
</tr>
<tr>
<td>EL 23531</td>
<td>HydroMet Corp</td>
<td>Co</td>
<td>Base metal exploration</td>
<td>100</td>
<td>?</td>
<td>Both reports indicate that the relinquished portion did not relate to the company's objectives. No other related reports or activities found.</td>
<td>CR2005-0628,CR2006-0605</td>
</tr>
</tbody>
</table>
**EL 7174**

Exploration activities were directed at locating "Redbank-style" cupferrous breccia bodies and stratabound basemetal deposits within the Proterozoic Tawallah Group.

Stratigraphic drilling undertaken within EL7174 confirmed the presence of economically prohibitive cover sequences across the license areas.

**EL 7226**

Work involved reprocessing and reinterpretation of open file airborne geophysical data, thematic mapper data acquisition and interpretation, geochemical assaying of trapsite Wilfley Concentrate stream sediment samples, rock sample collection and assaying. The review indicated a lack of untested discrete targets and the presence of prohibitive cover sequences (Masterton Sandstone) across the license areas.

**EL 8115**

Ashton - multiple stream sediment samples - negative result.
Ashton/BHP JV
Diamond - 27 gravel and three loam samples were collected - two samples reported positive results.
Base metal exploration, Redbank and Little Redbank airborne TEM surveys to detect stratiform sediment-hosted Cu-Co mineralisation and large Redbank-style Cu pipes. Nothing anomalous was detected.
Single microdiamond in RBR00501.

**EL 8084**

Ashton Mining - 33 recce stream sed samples - no indicators or microdiamonds
Ashton Mining - 36 stream sed samples
Ashton/BHP JV
Ashton recommended this tenement for surrender in 1997

**EL 8413**

**CR2002-0102** CRAE(1990-96) - JV with Joe Fisher. 1995 onwards all reporting under EL8413. CRAE drilled 21,468m in 257 holes. All drillholes in MapInfo.
Yr 1(1994) - ME geochem, 717 Grid lag samples, 27 percussion holes, 625 assays, Accurate collars, 108 line km ground mag, Yr 2(1995) - Check assays(211), 21 rock chips, 16 soils, 13 stream sed, DEM created, 37 samples(petrography- Pontifex), 3986 high iron lag samples submitted for ME analysis, 760 line-km

CR1995-0281 -Final report for 1994 CRAE.
Approx LAG sample extents cover Mineral Claims - Appendix 2 - these samples occur mainly in the mineral claims area. - Approx Min 792990mE, 8147960mE; Approx Max 795600mE, 8149000mE;

CR1994-0159 - Final report for 1993 CRAE

EL 9205

BHP 1996 - Redbank airborne TEM survey over EL9205 - no anomalies detected. Stream sed sampling defined a NE trending corridor of anomalous Ag-Au-Cu-Cd-Ni-Pd stream geochem. Occurs in NW corner of EL9205.

EL 22251

Selby, NT. - targets - diamondiferous kimberlitic pipes, phosphate prospects within the basal sandstone unit of Karns Dolomite and breccia pipe hosted base metal mineralisation similar to the Redbank deposit. Tenement work completed during the report period included detailed appraisal of the geology of the area and previous exploration results, which led to recognition of a significant untested target areas, rock and loam sampling, stream sediment sampling for heavy mineral analysis (HMA), airborne EM and ground gravity geophysical surveys, reverse circulation and diamond drilling and assaying.

EL 5468

Contains MCN2688, 2689, 2690, 2691 - CR19930776.
CR19930688 - CRA final report - exploration program directed at assessing the area's prospectivity for "Redbank-style" cupriferous breccia deposits, gold mineralisation, and diamondiferous kimberlitic breccias. Stratigraphic drillhole DD91RC18 - 328.53m. Highest gamma count downhole was around 250cps. Dolomite zones from 200 - 250m.

1988 Patterson Geol Services(WJ Fisher) Diamonds and Cu in Trachyte breccia pipes. 21 pipes mapped with diameters ranging from 40 - 120m.
Anomalous Gold in area?
Prospects - Running Ck 1 & 2, Felix 3, Salt Lick 4. Trachyte
1989 - As above - increasing number of breccia pipes discovered. Bulk samples for diamond exploration.
1989 - relinquishment of eastern half of EL5468 after investigation of radiometric and magnetic anomalies for diamond bearing or uraniferous copper bearing pipes failed to produce any
encouraging results. 1990 - further work looking for Redbank style Cu. Scope for gold exploration as "samples taken from rhyolite outcrops on MCN2689 have been anomalous in gold with the highest at 0.15ppm Au."

EL 4077

CR1986-0031 CRAE 1982 - 1985- Reconnaissance density drainage gravel sampling for detection of kimberlitic indicator minerals. (one diamond and 3 microdiamonds in vicinity of Running Creek yard) Follow up intensive exploration involved ground mag surveys, and bedrock auger drilling. Single microdiamonds were reported in bottom hole auger cuttings samples but there was no indication of kimberlitic or lamproitic lithologies. -low level high sensitivity airborne magnetic and radiometric survey (nine magnetic responses selected for follow-up as possible Kimberlite diatremes) - in the second and third years of tenure follow up of anomalous U and K channel radiometric responses - K-channel radiometric anomalies along the courses of Running, Hobblechain and Mountain Creeks correlated with clay-rich alluvial terraces on the flood plains of the creeks. Other K channel anomalies correlate with outcrops of purple micaceous siltstone and shale of the Pungaline Member, and of Potassic volcanic rocks of the Gold Ck Volcanics. A cluster of U-channel anomalies in the SW corner of the EL areas was found to correlate with outcrop of flaggy grey phosphatic siltstone/sandstone within the Masterton Formation.

AP 444

MIM Final Report 1956 - Exploration with reference to Westmoreland conglomerate Uranium. Summary indicated that MIM recognised that the mineralisation was confined to certain formations: 
Cu - Cliffrdale Volcanics, Peters Creek and Golden Ck Volcanics
U - Westmoreland Conglomerate and faults in the Cliffrdale Volcanics and Peters Ck Volcanics near their contact with the Westmoreland Conglomerate. Pb - Wollagorang Formation Wolfram - Nicholson Granite. Detailed prospecting led to the discovery of - Cu in the Peter's Ck Volcanics and U in the Westmoreland Conglomerate in QLD.

EL 1613

Dampier Mining Ltd now BHP Minerals 1977 - 1981 - Exploration for Groote Eylandt style Manganese Oxide deposits. No significant MnO or base metals found. A total of 508m was drilled in 28 holes.
CCR1973-0027
**Final Rpt 1972 CRAE - JV with Euralba to investigate photo-interpreted features (negative topographic expression, soil colour anomaly and vegetation anomaly).** It was concluded that the features are the expression of natural variations in topography and vegetation, unconnected with mineralised breccias.

CCR1973-0027
**Final Rpt 1972 CRAE - JV with Euralba to investigate photo-interpreted features (negative topographic expression, soil colour anomaly and vegetation anomaly).** It was concluded that the features are the expression of natural variations in topography and vegetation, unconnected with mineralised breccias.

Western and Camp Anomaly Summary - surface spectrometer assays of a uraniferous phosphatic flaggy sandstone - average 250pppm and up to 500ppm.
Nov 1981 - 12 RC drillholes (15 - 54m) showed U mineralisation to be a surficial feature coinciding with the phosphatic horizons within the Masterton Formation. Highest chip sample assays - 0-4m (82ppm U, 720ppm Cu, 6.05% P₂O₅).

CR1980-0032 - CRAE 1979 Objective was to investigate the possibilities for U and Cu bearing breccia pipes in the Masterton and Wollogorang Formations. 45 uranium gamma-ray anomalies were investigated by a helicopter borne spectrometer system and by ground traversing. Two diamond drilled - NSI - drilling encountered 50m of siltstones. Zones of intense magnetic disturbance at the Packsaddle Microgranite were investigated - no anomalous base metal values.
CR1982-0295 Final Rpt. Euralba Mining Ltd - working the area since 1969. - exploration for copper bearing breccia pipes within the Gold Ck formation. No work completed due to mechanical breakdowns.

CR1970-0075 US Steel Int Inc 1968 - Recce survey recommendations: driling in areas where manganiferous laterites were found exposed n creek beds and helicopter recce of the Birrindudu area to locate manganese deposits, detailed follow up work of prospective areas and heli recce of area surrounding the mcArthur River mineral fields looking for possible Pb, Zn, Ag and U. Exploration for uranium was carried out concurrently with other phases of the field program. No above background U readings were encountered in the areas examined.

CR2005-0628 An in house study determined that the relinquished part of the exploration licence does not fit into the scope of company’s program.

CR2006-0605 Hydromet - 2006 Relinquishment report - no work.