

REGENCY RESOURCES LTD

EL11/2005 Savage River North
Iron Project

Project Review and Recommendations

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Date: June 2007

ABSTRACT

This report outlines details of a project review of the Savage River tenement (EL11/2005) in northwest Tasmania undertaken during 2006/2007. It was found that although the area has not been comprehensively mapped the tenement lies within a geological region noted for its magnesite deposits. Recommendations are presented that include a more detailed exploratory programme that could also be extended to cover other base and precious metal mineralizations.

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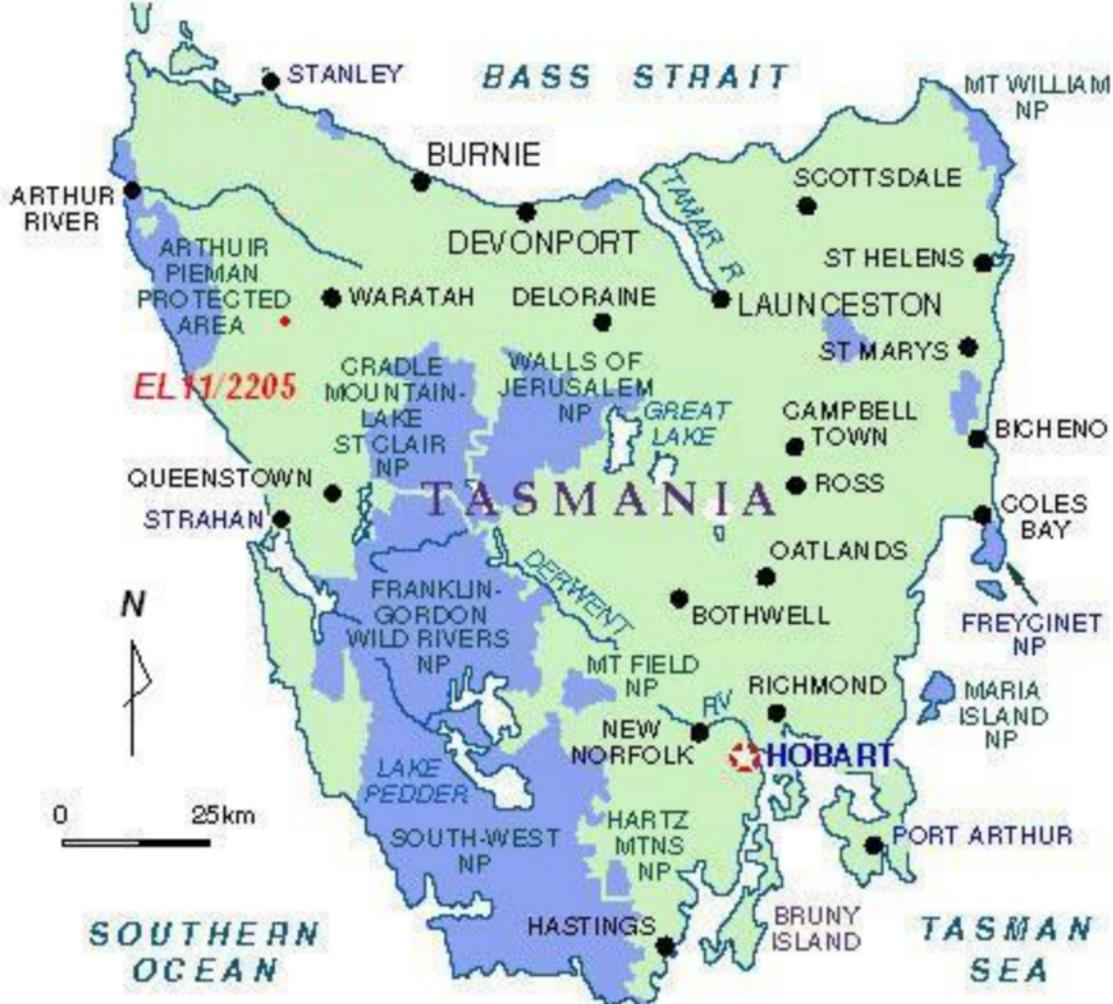
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1.0 INTRODUCTION

This report presents a project review with recommendations for follow up work on the Savage River tenement (EL11/2005) in northwest Tasmania. The work, commissioned for Regency Resources, focused on the economic potential of magnetite deposits within the area previously outlined during relevant geological and historical exploration work.

This region of northwest Tasmania is proven as an iron producer and exporter since 1965, with the Savage River Magnetite mine, owned by Stemcor Holdings Limited of London UK being located adjacent to the Savage River North tenement. The global pre-mining resource was 371 Mt at 31.9% Fe in magnetite. Global resources at June 2004 totaled 248.1 million tonnes with 49.6% recoverable magnetite. Some 100 million tones of this classified as reserves (Proven and Probable). The nearby location of this facility and the potential for fast-tracking synergies, allows for the targeting of areas that may not otherwise be justified as stand-alone exploration targets.

In a two week period, relevant geological and past exploration work was reviewed and reported. Important outcomes of that past work relevant to the exploration for iron in magnetite deposits is summarised and recommendations are made to target specific areas that have shown evidence for significant magnetite content. Reference is made to other commodities where they are relevant to current areas of interest. Recommendations are to initially target prospective iron-bearing areas that have the most comprehensive data. Activities and exploration budgets are also presented.

2.0 TENEMENT LOCATION and ACCESS

Redrock are exploring under the exploration license E11/2005 Savage River North, granted for five years from 12 May 2006. The license comprises 71km² in

area, and is located on the edges of remote forests some 60km southwest of Burnie township and port (Figure 1).

The areas are rugged, largely clad in native forest and subject to high seasonal rainfall. All land within Savage River North is State Forest, including a regional reserve in the southeast, and minor areas of informal reserves.

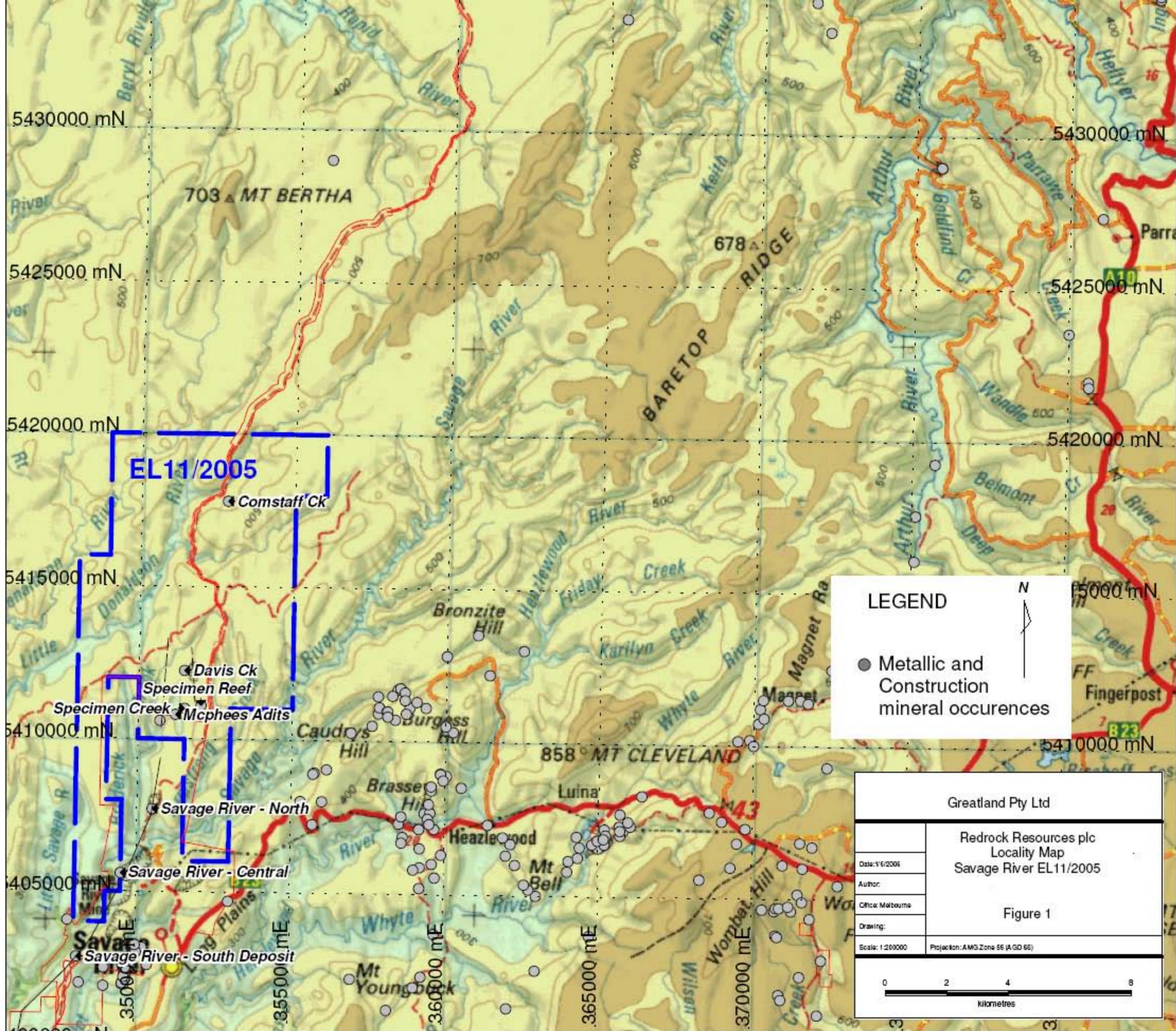
Vehicle access to the Savage River North tenement is limited to a single formed unsealed road (and branching exploration track) servicing the pipeline delivering iron-ore slurry to port facilities on the north coast. Permission to use this road from Australian Bulk Minerals (operator of the Savage River Mining Licence) is required. Slopes can be steep and vegetation very dense.

3.0 RELEVANT PUBLISHED DATA

Perhaps as a reflection on the rugged terrain and thick forest, the Savage River to Arthur River area is one of the few remaining highly prospective parts of Tasmania not yet completely covered by published 1:25,000 geological map sheets. For Savage River North the best available published geology is Turner et al. (1991) as the 1:50,000 Corinna Geological Sheet, located south of the tenement. No published 1:50,000 sheet exists to the north (Magnet), comprising most of the tenement area.

The entire area is covered by the 1:250,000 geological sheet of NW Tasmania (Calver et. al 1995). This incorporates a simplified final 1986 geological interpretation of IMIPL / Savage Resources Ltd (Savage Resources), so offers a good geological summary. No 1:25,000 scale geological sheet series have been produced. The tenement is located on Donaldson (3441) and Savage River (3440) 1:25,000 topographic sheets.

A number of brief summary reports focusing on the economic geology of the region have been published. These include Turner et. al (1992), and references therein, for a brief geological overview, and McClenaghan & Seymour (1996) for



Greatland Pty Ltd

Redrock Resources plc
 Locality Map
 Savage River EL11/2005

Figure 1

Date: 1/6/2005
 Author:
 Office: Melbourne
 Drawing:

Scale: 1:200000
 Projection: AMG Zone 56 (A/GD 66)

a presentation and interpretation of geophysical images. Early understanding of the Savage River iron deposits is detailed in Uraquhart (1966). More academic discussions on the Arthur Mobile Belt / lineament can be located from Holm et. al (2003).

There are also numerous unpublished but publicly available (open file) Company reports documenting exploration over the areas of interest. These are discussed in sections below. Throughout this report sources are referenced in two ways. Author, year (eg. Smith, 1999) citations are listed in the References section, and are mostly from published sources. References citing year_report no. (eg. 99_1000) are open file reports. Refer in these cases to tables in Appendix I for further information.

4.0 REGIONAL GEOLOGY AND MAJOR DEPOSITS

The Arthur Lineament is a broad 10 km wide, NE-SW trending zone of increased schistosity and metamorphism of Cambrian age that forms the eastern margin of the Mesoproterozoic and Neoproterozoic Rocky Cape Block. Rocks of the Arthur Lineament are termed the Arthur Metamorphic Complex. It comprises both the allochthonous Bowery Formation and Reece Amphibolite, and the autochthonous Ahrberg and Rocky Cape Groups (Holm et al, 2003). The zone hosts magnetite-rich iron ore (mined at Savage River), as well as silica flour, dolomite, magnesite, ochre, umber, gold and copper. A few alluvial diamonds have been recovered during gold and osmiridium prospecting.

Sections of Savage River, are largely occupied by Basal Permian tillites and mudstones capped by Tertiary basalts. Thicker Tertiary basalts show on magnetic TMI images as intense lows, apparently remnantly magnetised. These rocks effectively bury the Precambrian rocks of the Arthur Lineament. The most prospective unit for magnetite is the Bowery Formation, comprising mafic schist, amphibolite, meta-gabbro, massive and laminated magnetite, and minor deformed granitoid.

4.1 Savage River Magnetite

The Savage River magnetite mine, within the Bowry Formation, consists of a series of banded magnetite (with lesser pyrite) lenses hosted by late Meso- to early Neoproterozoic quartz-mica schists and amphibolites with associated extensive magnesite lenses. The deposit has been mined in two open pits over a strike length of 3 km, with the main ore body up to 150 m thick. First stage production and reserves total 140Mt @ 46.5% Fe. The ore is crushed, magnetically separated, slurried, then piped to Port Latta on the north coast, west of Burnie. Here it is pelletised and prepared by furnace for export.

The ore minerals are magnetite with lesser pyrite, minor chalcopyrite and trace sphalerite, rutile and ilmenite. The gangue is tremolite, actinolite, dolomite, quartz and chlorite. There has been no definitive genetic study of the deposits and a range of suggestions for the mode of formation includes volcanic exhalative (Coleman, 1976), magmatic segregation (Matzat, 1984) and hydrothermal replacement (Bottrill *et al.*, 1998).

Magnetite deposits need to be of a considerable size to justify exploitation. The Long Plains Deposit, just south of the Savage River mine and held by Stemcor Holdings, is currently being assessed. However, it is speculated to have marginal economics as a satellite deposit for the Savage River plant.

5.0 PAST EXPLORATION

Thick vegetation and locally difficult and seasonal access has, in many cases, influenced the nature of exploration at Savage River. Detailed geological mapping is scant with much reliant on remote sensing interpretation, controlled by limited creek and road mapping. Water and stream sediment sampling has been the main geochemical exploration tool.

Approximately 60 Mineral Resources Tasmania (MRT) open file reports are identified and tabulated as being relevant to Savage River North E11/2005

(Appendix I). The most relevant/significant reports have been inspected to extract relevant pieces of information. A number of key reports are recommended below as best summarising past activities.

Apart from the Savage River magnetite mine there are few documented areas of past mining. On the eastern bank of Davis Creek old workings and dumps containing galena occur, but no production records are known. Specimen Reef is a gold prospect with alluvial (Specimen Creek) and small adit workings (Specimen Reef). Active mining ceased about 1900, by which time three adits had been constructed. The reef consisted of white quartz, siderite and pyrite with some visible gold and minor chalcopyrite. Shoots of high grade auriferous quartz from 48m to 3.6m long and 0.5 to 1m wide and 60m deep plunged SE at about 45°. The reef was at the contact of quartzite and slate. Nearby areas were the first in Australia mined for osmiridium, comprising rare earth elements (mainly iridium and osmium), extracted from alluvial deposits.

The most comprehensive exploration of the area has been by government agencies and Savage Resources, or predecessors, since the 1950's. Up until 1978 exploration by government and a Savage Resources predecessor, IMIPL, was solely for iron ore, details for much of this work are not readily available. The main Savage River magnetite deposits were defined before 1966 (Uraquhart, 1966).

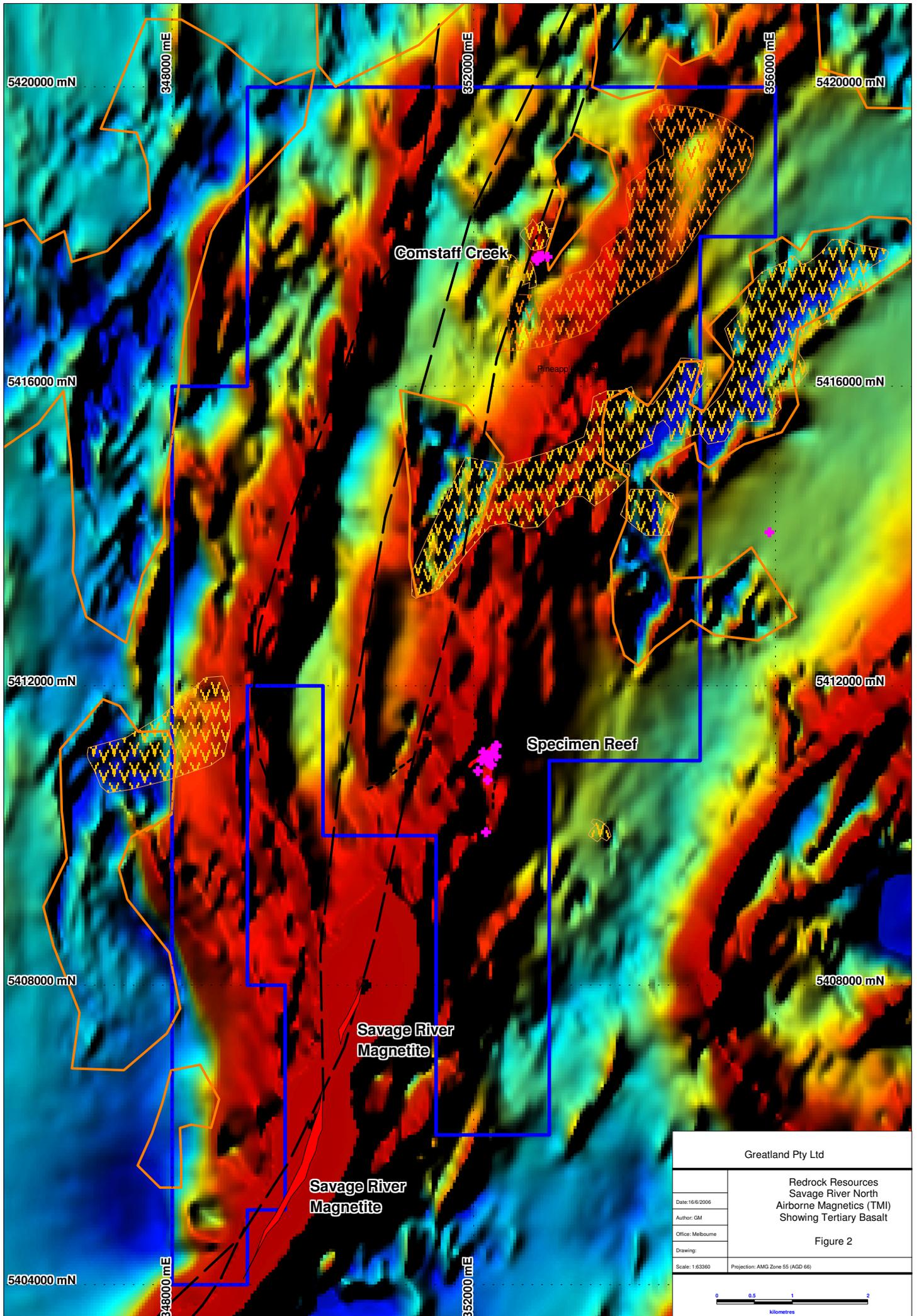
Savage Resources subsequently expanded the search to include base metals, gold, magnesite and diamonds. Most effort was expended on near mine magnesite and gold hosted within iron formation (eg. 1985-1988 around specimen and Davis Creeks). Base metals search initially used magnetics as a guide but was replaced by systematic stream sediment sampling. IMIPL completed extensive stream sediment sampling and selected soil sampling over the tenement in the 1980's, targeting magnetic highs, and geochemical anomalies, assaying for multi-commodities including Au, Ag, base metals, rare earths, Sn, and W.

IMIPL, during the 1980s, completed an extensive stream sediment sampling programme, collecting trap site stream pan concentrates and decanted slime samples from all localities. Pan concentrates were subjected to mineral separation (the results of which need to be located). Samples were analysed for Au, Ag, base metals, Ni, Cu, Bi, Mo, As, Te, Sb, Sn. Pan concentrate magnetite was noted in most creeks near Savage River. At this time the areas were geologically mapped in conjunction with wide spaced traverses and air photo interpretation. Anomalous areas were followed up with grid based soil sampling.

Stream sediment and rock chip sampling identified lead anomalies to 900ppm, and zinc anomalies to 345 ppm near to the old Davis Creek workings over a grid (Davis Creek Grid) north and west of Specimen Creek. IMIPL (82_1782) carried out inconclusive but generally negative geochemical soil sampling, geological mapping and ground magnetic surveys on this grid. Soil sampling identified spot base metal anomalies.

CRA Exploration Ltd (CRA) explored the northern section of the tenement in the mid 1980's looking for magnesite deposits. It identified one magnetic anomaly (SAVTREN-in extreme NW corner, with no follow-up work), and recognized no Input-EM anomalies. CRA identified the Comstaff Creek area as gold anomalous from stream sediment samples (Appendix II). Following this work, Geopeko Ltd (Geopeko) undertook a water sampling programme, limited rock chip sampling and mapping in the early 1990's. Little significant data was generated.

From 1996 to 1997, Goldstream Mining NL (Goldstream) / Titan Resources NL (Titan) completed heli-magnetics centred on the Specimen Creek area, drilling two holes. In 2001 MRT flew helicopter-borne geophysics at 75m height over this area as part of the WTRMP study (Figure 2).



Greatland Pty Ltd	
Date: 16/6/2006 Author: GM Office: Melbourne Drawing:	Redrock Resources Savage River North Airborne Magnetics (TMI) Showing Tertiary Basalt Figure 2
Scale: 1:83360	Projection: AMG Zone 55 (AGD 86)

5.1 Individual Prospect Summaries

Specimen Reef (and Specimen Creek)

Deposit Id	1341
Name	Specimen Reef
Operational Status	Abandoned
Prime Commodity	Gold
Description	gold bearing quartz veins, workings include at least 6 tunnels
Locality	Pipeline Road, Western Tas
Location	352 100mE 5 411 100mN
Deposit Size	Not determined
Host Rock Ages	Neoproterozoic
Form	Vein (single, sheet, saddle)
Commodities	Gold Gangue Pyrite, Quartz, Siderite
Exploration Drilling	Geochemical surveys, Geophysical surveys, Prospecting (Source: MRT Mine database)

The following summarises recent exploration on Specimen Reef.

- Late 1960's-1982 Savage Resources predecessor completed geological, geochemical and geophysical surveys Davis Creek to Specimen Creek
- In 1982 drilled 15 diamond holes over a 600m length at Specimen Reef
- Only significant result was DDH SPC 1, as a narrow but very high grade zone, 0.2m at 910g/t Au
- Savage attempted to deepen several holes in 1989 after discovering the reef dipped steeper than previously targeted, with limited success, so that ultimately only 3 holes intersected the reef.
- Savage concluded in 1988 (prior to deepening holes) that most gold occurrences were like Specimen Reef, as narrow, flat lying carbonate-magnetite-gold zones with very little quartz
- Concluded little scope for a bulk mineable target, existing as two narrow gold zones
- 1997 Goldstream Mining NL/ Titan Resources NL completed two diamond drill holes, intersecting 2m at 0.56g/t Au in one hole and only 0.05g/t Au from the reef position in the other hole.

- The aero-magnetic data interpretation, indicates that the Specimen Reef is within a northeast trending structure which may extend for 2km in either direction
- No potentially economic magnetite was intersected in any hole.

Principal Reports

- UR1993_31 Partial Inventory of Sites in Rainforest Used for Mining Or Exploration Purposes.
- 89_2913 Combined Annual and Relinquishment Report, Twelve Months to January 1989, Exploration Licence 35/87, Savage River, Tasmania
- 97_4075 Annual Report to 6/3/97 - E 26/95 - Specimen Creek
- 90_3127 Final Report. Exploration Licence 4/61. Savage River, Tasmania, Including the Period 28th February, 1989 to 22nd March 1990.

Specimen Creek; Area of alluvial workings downstream of Specimen Reef

- OS_053 Report on Mt Cleveland and Corinna Goldfields.
- 86_2614 Exploration Licence No. 22/85, Savage River. Report on Exploration Activity 20th November, 1985 to 20th November, 1986.
- 97_4075 including Newnham (1996) detailed review of Specimen Creek
- 99_4288 Turner (1999) summarising helimagnetics and drilling at Specimen Reef.

Davis Creek

Deposit Id	1337
Name	Davis Creek
Prime Commodity	Copper
Description	gold in rock and stream sediment samples, workings include 2 adits
Locality	Davis Creek
Location	351 410mE 5 411 930mN
Deposit Size	Not determined
Host Rock	Ages Cenozoic, Precambrian
Form	Placer, Vein (single, sheet, saddle)
Commodities	Gold
Exploration	Geochemical surveys, Geological mapping, Geophysical surveys, Prospecting

(Source: MRT Mine database)

Principal Reports

- 86_2591 Report on Investigations Within Exploration Licence 4/61 West Coast, Tasmania
- 87_2683 Annual Report on Investigations Within Exploration Licence 4/61, West Coast, Tasmania (September 1986 - June 1987)

Comstaff Creek

Deposit Id	410
Name	Comstaff Creek
Prime Commodity	Gold
Description	anomalous gold in stream sediment sampling
Locality	Comstaff Creek
Location	352 800mE 5 417 800mN
Deposit Size	Not determined
Host Rock Ages	Cenozoic
Form	Placer Rock Type
Commodities	Gold
Exploration	Geochemical surveys, Prospecting

(Source: MRT Mine database)

The following are extracts detailing CRA exploration at Comstaff Creek (85_2341):

“Permian shales and mudstones with glacial debris occur at the junction of the main creek and the Pipeline Road and persist upstream for some 300 metres. The boundary between the Permian and the Precambrian is not seen but is probably faulted. All the Precambrian metamorphics dip to the east and are also believed to young in that direction. Schistosity is parallel to compositional layering reflecting primary lithology.

East of the postulated fault, the lowermost exposed Precambrian consists of a suite of amphibolites (both massive and foliated), chloritic quartz-mica schists , phyllites, minor ironstones and carbonate. The overall impression is of a fine-medium grained clastic sedimentary pile with basic volcanics (both lavas and intrusives) and basic volcanoclastics . The ironstones include massive magnetite or magnetite- pyrite, a magnetite- plagioclase hornfels and thin beds or lenses of massive pyrite. Carbonate has also been found with the ironstones completing a fairly typical iron-formation assemblage. The occurrence of contact metamorphic

facies, hornfels and a marble within this volcano-sedimentary suite indicates proximity to an intrusive. However, unless the massive amphibolites represent offshoots from a larger concealed basic body, no evidence for the causative intrusive has been observed. Further east, progressing "up" the Precambrian succession, the volcanic component diminishes leaving an extensive suite of interlayered phyllite and quartz-mica schist. These represent a monotonous pile of shales and siltstones with minor quartzites. The stratigraphy revealed in these creek sections is grossly similar to that of the Keith Beds about the Lyons and Arthur Rivers magnesite occurrences; this observation is also supported (tenuously) by the fact that the magnesite "corridor" is traversed by these creeks."

"INPUT-EM anomaly 3379/10840 is located close to the junction of the Pipeline Road and the Main Creek. It is regarded as reflecting either the Pipeline, carbonaceous facies in the Permian shales, or nearby Tertiary basalt. An intense "thumb-print" aeromagnetic anomaly located within the central part of the catchment may reflect nearby Tertiary basalt (or a basalt plug) but it appears to have a deeper source. It may indicate a concealed basic igneous body, possibly that which is responsible for marble and hornfels that lie on the periphery of the anomaly."

Duplicate sampling in Comstaff Creek could not reproduce the zinc anomaly but; "The other creeks were sampled at 200-400 metre intervals. No elevated base metal values were obtained whilst two sites contained anomalous gold. The first (2700ppt, CN leach: 210 ppb in -80 mesh) is in the zinc anomaly tributary. Sampling upstream of the initial site found only background gold levels. The anomaly is believed to be caused by detrital gold shed out of Tertiary gravels known to occur with the Tertiary basalt pile. Alternatively, the Permian shales may be responsible; exploration elsewhere in Tasmania has shown that gold is sporadically (and uneconomically) associated with similar Permian glacial mudstones.

The second gold anomaly (3650 ppt, CN leach) is in the south of the catchment within the quartz-mica schists and phyllites. A sample taken 250 metres downstream showed only background values indicating either rapid dispersion of

fine gold, that the anomalous leach sample was incorrectly collected, or that coarse, sporadic, detrital gold was present. Further check and follow-up sampling is required. Other than high iron values in the various ironstones, no anomalous rock geochemistry was recorded.”

Principal Reports

- 85_2341: Rapid River E1/79 North West Tasmania, Progress Report on Exploration, February 1984-February 1985. CRA. Zn stream anomalism (230ppm) located in Comstaff Creek but attributed to Tertiary basalts. Good outcrop mapped in nearby creeks. Sampling/petrography located ironstone and hornfels.
- 86_2533 Rapid River E1/79 North West Tasmania, Progress Report on Exploration, February 1985-February 1986. CRA. CRA in 1984 identified anomalous gold in drainage of the Comstaff Creek during magnesite exploration. No further work had been undertaken to 1986.
- 92_3365 Gardner and Matheson (1992) reported stream sediment sampling for Geopeko around the Comstaff Creek Prospect. Weak geochemistry suggested a possible deep source but no further work was completed. Water geochemistry generated no anomalies. From ten rock chip samples across the tenement, sample 22216 returned 37% Fe from a manganese bearing “gossan”.

Pineapple Creek Anomaly

Pineapple Creek is parallel and south of Comstock Creek. IMIPL (85_2332) reported an anomaly east of the pipeline service road, in the drainage basin of Pineapple Creek, a magnetic anomaly was soil sampled on two cut lines, labelled 16.7 and 16.4. Tertiary basalt was the dominant lithology along both cut lines. However, on the eastern fringe of the anomaly Precambrian greenschist re-emerged, and this area was sampled. In the vast majority of cases it was not possible to achieve a satisfactory sample due to the presence of Tertiary quartz gravels which blanketed the underlying greenschist. All soil values were low except one isolated high Zn value of 215ppm. Pan concentrates were collected up stream and downstream of the basalt capping to the prospect. Samples near the pipeline road “appear to contain significant haematite (and magnetite?)”.

The CRA program of exploration between Savage River and Arthur River included BCL stream sediment sampling. They reported a BCL gold value of 3650ppt from 353 000mE 5 416 600mN in the Pineapple Creek drainage system, about 5km north of Specimen Reef. Earlier work had identified a zinc anomaly in this area.

5.2 Key Reports

A key report is defined as a report that concisely or best summarises and references preceding work or covers significant new work relevant to the current tenement. Of the approximately 60 open file MRT reports selected for this review the following provide the best starting point for a reader. The reference is to the MRT Report No. (year_report, see Appendix I).

85_2332	Industrial Mining Investigations Pty Ltd / Savage Resources, containing the bulk of relevant stream sediment data.
88_2779	Savage Resources, relinquishment report, including exploration philosophies and main areas of work and district interpretive geology map. Comprehensive referencing to past reports.
85_2341	CRA explored the northern sections for magnesite deposits, identifying Comstaff Creek area as anomalous. Zn stream anomalism (230ppm) was located in Comstaff Creek but attributed to Tertiary basalts. Good outcrop mapped in nearby creeks. Sampling / petrography located ironstone and hornfels.
90_3127	Savage Resources, relinquishment report, detailing deepening of Specimen Creek drill holes
92_3365	Geopeko, relinquishment report, includes summary of the limited past activities, and new results (Comstaff Creek).
1996_16	MRT Geological Record showing combined interpretation of new aerial-geophysical data sets for northwest Tasmania
96_3676	Allstate Exploration. Outlines the limited work completed, including aeromagnetic interpretation.
97_4075	Goldstream Mining, Titan Resources last report including Newnham (1996) detailed review of Specimen Creek

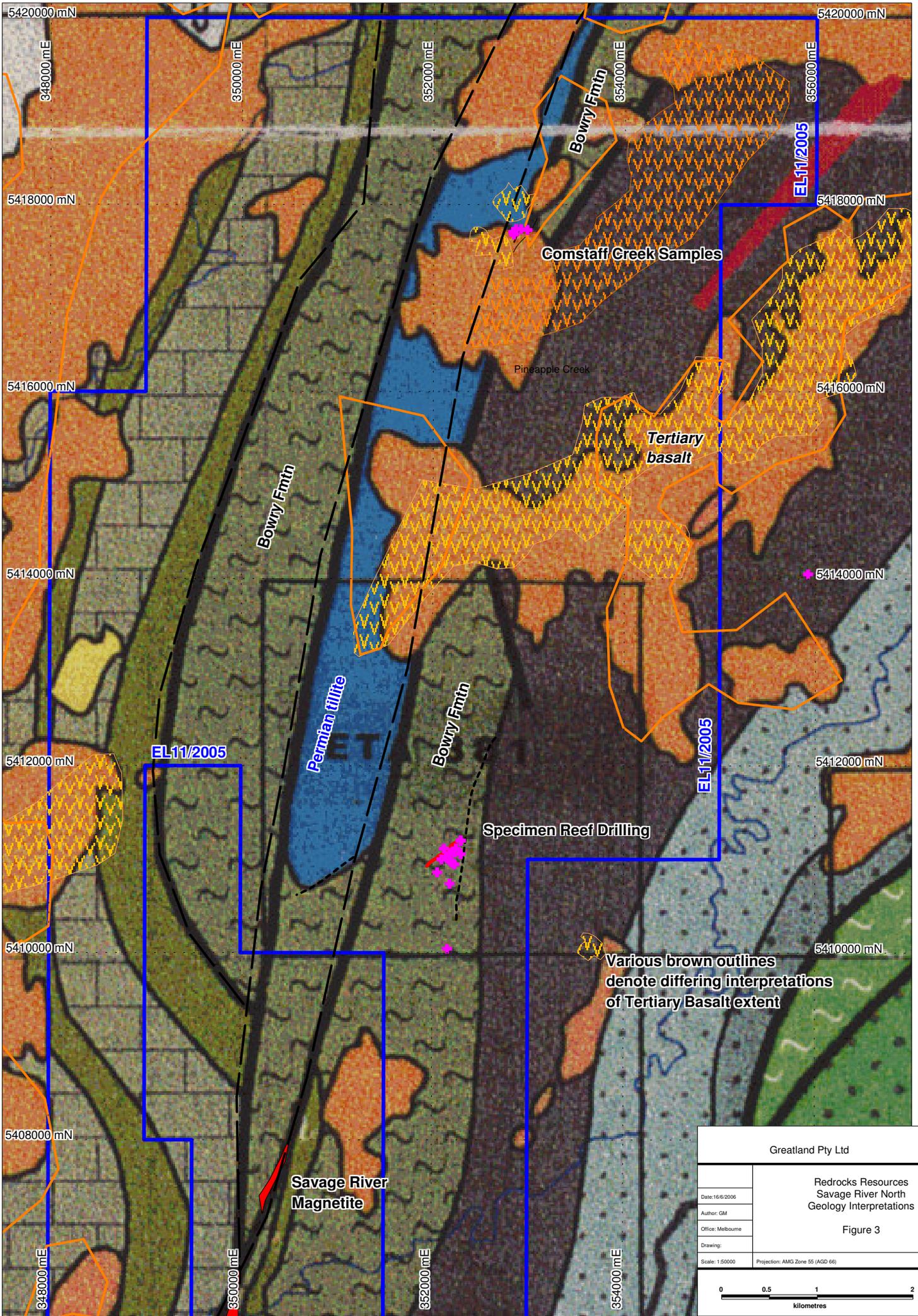
99_4288 Goldstream Mining, Titan Resources last report, including Specimen Creek drilling and aero-magnetic interpretation.

6.0 DISCUSSION

Access to many areas is difficult in winter, while steep slopes and thick vegetation make field work slow. Vehicle access along the pipeline road is good, but limited, and requires permission with mine induction from Australian Bulk Minerals.

Savage River area has a weathering profile greater than 30m. Oxidised magnetite-pyrite is enriched in iron. The depth of weathering (except in most deeply excised creeks) and variable regolith types may make accurate surface sampling and geochemical interpretation difficult. There could be difficulty in steep, high rainfall, heavily vegetated areas to correctly identify regolith type eg. in situ, debris flow, alluvium.

Within E11/2005, magnetite having the resource potential as defined at Savage River is unlikely. The identified magnetite-only targets do not suggest a high probability for development to sustain a stand-alone operation, but smaller lenses may occur. South of 5 417 000mN, the geology is fairly well known, and extensively explored. North of this line there remains 2-3km length of Bowery / Timbs Formation in the Comstaff / Pineapple Creek area which is identified as a priority target, having a prominent magnetic signature (capped by Tertiary basalts, Figure 3), being anomalous in gold, and close to magnesite occurrences. Significant magnetite(?) was noted in pan concentrate samples from Pineapple Creek, and narrow outcrop noted in Comstaff Creek. The area is underlain by prospective, but yet poorly tested Timbs or Bowery Formation lithologies. Ground based exploration to date has been limited to stream sediment and stream based rock chip sampling.



Greatland Pty Ltd	
Date: 16/8/2006	Redrocks Resources Savage River North Geology Interpretations Figure 3
Author: GM	
Office: Melbourne	
Drawing:	
Scale: 1:50000	Projection: AMG Zone 55 (AGD 86)

6.1 Recommendations

It is suggested exploration targets multiple commodities. Although iron ore is the stated objective, also seek gold, copper, lead and zinc within these areas to maximize exploration opportunities. Focus initial exploration efforts on the Comstaff – Pineapple Creek catchments, where access is fairly good.

Obtain the best open file gravity data and, if adequate, then image and model to the known geology in areas of interest. Reprocess aeromagnetic data over the tenement and the Savage River deposits, including magnetic inversion modeling. Then 2D-3D model the potential magnetic targets along with overlying basalts. Also, obtain Goldstream heli-magnetic data and re-process to locate possible shallow narrow or discontinuous magnetite lenses near Specimen Creek.

Where justified by magnetic modeling, locate evidence for and sample these targets on the ground with assistance of magnetometer traverses. Followed by first pass drilling of worthy targets. A budget is presented in Table 1.

Table 1 – Savage River North Exploration Budget

Phase	Activity	Duration	Cost
Target Generation	Acquire and model magnetic and gravity data.	Two Weeks	\$15,000
Ground Follow-up	Mapping, drainage sampling, rockchip sampling, soil sampling and ground magnetometer surveys.	Four Weeks	\$45,000
First Pass Drilling	Drill test select targets	Four Weeks	\$60,000
		Total	\$120,000

7.0 CONCLUSION

Regency are exploring for economic iron deposits in northwest Tasmania within the E11/2005 Savage River North tenement. This area contains some of the least detailed published geological mapping in Tasmania. The Tenement is located within the Arthur Metamorphic Complex, as a 10 km wide, NE-SW trending zone defined by a Cambrian schistosity and metamorphism of Proterozoic age rocks. This belt hosts significant magnetite magnesite deposits and is covered by 200m spaced, low level airborne magnetics, with some smaller areas at closer spacing.

The area is rugged, with land designated dominantly as State Forest. There has been sustained exploration since the 1960's for a variety of commodities, but at lesser detail than similar, more accessible, areas elsewhere.

At Savage River North it is unlikely that magnetite exists at depths, widths and grades similar to that currently mined at Savage River. The identified magnetite-only targets do not suggest a high probability for development to sustain a stand-alone operation, but smaller lenses may occur. South of 5 417 000mN the geology is fairly well known and extensively explored. North of this line there remains a 2-3km stretch in the Comstaff / Pineapple Creek area that has a prominent (but not intense) magnetic signature (influenced by capping Tertiary basalts), being anomalous in gold, and close to magnesite occurrences.

It is recommended that geologically controlled airborne magnetic and gravity modeling of the identified prospective areas be undertaken. This will establish whether economic widths and grades of magnetite can be hosted by the chosen areas. Once established, mapping, geochemical sampling and detailed heli-magnetics should be completed. Although iron ore is the stated objective exploration should also target gold, copper, lead and zinc within these areas to maximize exploration opportunities. Select targets should be drill tested. Exploration budgets of \$120,000 for Savage River North have been presented.

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Appendix I

Summary Tables of Previous Exploration Reports

**Savage River Past Exploration
1960-1979**

Report_no	Title	Tenements	Companies	Authors	Reportdate	Nfvms	Structure	Ggrphcic	Map_name	Deposits	Minerals	Types	Keywords	Xplrmthds	Annotation
67_0457	Northwest Tasmania, Proposed Program of Exploration (in Detail)	EL12/1965	Pickands Mather and Company International	Anon	01/08/1965	1	18PP, 3 APPX, 3 FIG.				Base Metals, Gold, Iron, Nickel, Osmiridium, Platinoids, Silver, Tin, Tungsten		Exploration Potential	Induced Polarisation/SP; Ground Magnetics; Ground EM; Drilling;	A proposed program of exploration.
70_0709	Review of 1969-1970 Summer Exploration Programme Exploration Licence 1/68, Tasmania.	EL1/1968, EL5/1963	Creasy M G	Anon	01/01/1970	1	28PP, 19 PLANS.	Mt Stewart, Webbs Creek	Cleveland, Huskisson	Mt Stewart	Base Metals, Cobalt, Gold, Nickel, Osmiridium, Platinoids, Tin	Auger/Test pits, Drilling, Geochemistry, Geology, Rock-chip, Stream sediment, Surface mapping	Cainozoic Sediments, Huskisson River Ultramafic Complex(S), Magmatic Mineralisation, Meredith Granite(S), Mt Stewart Ultramafic Complex(S), Placer	Geological Mapping; Stream Sediment Geochemistry; Rock Geochemistry; Drilling;	A summary of on-going investigations into mineral potential of ultramafics and associated alluvials.
71_0759	Savage River Northern Area	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D., Ridgway, J.E.	01/04/1971	1	6PP, 18 FIG, 1 PLAN.	Broderick Creek, Fulfords Creek, Savage River			Iron, Magnetite	Analysis, Diamond, Drilling, Geophysics, Gnd magnetic, Metallic minerals, Misc and Fuels, Ore	Arthur Lineament	Ground Magnetics; Drilling;	A set of sections and calculations showing reserves of the northern area, Savage River, shown to river level.
71_0803	Mt Stewart Drilling, Exploration Licence 1/68.	EL1/1968	Creasy M G	Everett, M.P.	01/09/1971	1	5PP, 5 PLANS.	Castray River, Mt Stewart	Huskisson		Base Metals, Chromite, Chromium, Cobalt, Iron, Magnetite, Nickel, Silver, Zinc	Diamond, Drilling, EIP/MIP, Geochemistry, Geology, Geophysics, Gnd magnetic, Resistivity, Soil (A,B,C horiz), Stream sediment, Surface mapping	Mt Stewart Ultramafic Complex(S)	Induced Polarisation/SP; Ground Magnetics; Soil geochemistry; Geological Mapping; Stream Sediment Geochemistry; Drilling;	Diamond drilling to test an IP anomaly failed to intersect economic mineralisation.

**Savage River Past Exploration
1980-1984**

Report_no	Title	Tenements	Companies	Authors	Reportdate	Nf/vms	Structure	Ggrph/c	Map_name	Deposits	Minerals	Types	Keywords	Xpirmthds	Annotation
80_1442	Report on Field Investigations of the Halls Creek, Specimen Creek Area.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D.	01/06/1980	1	5PP, 2 APPX, 8 PLANS,	Halls Creek, McPhee Creek, Savage River, Specimen Creek	Horton	Specimen Reef	Base Metals, Gold, Iron, Lead, Magnetite, Pyrite, Silver	Geochemistry, Stream sediment	Amphibolite, Arthur Lineament, Rocky Cape Region(S)	Stream Sediment Geochemistry;	Three anomalous lead-zinc samples and one anomalous gold sample were identified. Follow-up ground geological, geochemical and geophysical investigations are recommended.
81_1517	Exploration Licence 26/78 (Tasmania), Pieman, Precious Stones, Relinquishment Report.	EL26/1978	Mt Lyell Mining and Railway Company Limited	Hutton, M.J.	01/11/1980	1	9PP, 3 APPX, 4 TABLES, 5 FIG,	Corinna, Donaldson River, Mt Bertha, Pieman Head, Pieman River, Savage River, Toner River, Whyte River	Cleveland, Corinna, Horton, Huskisson, Interview		Chromite, Chromium, Diamond, Garnet, Gems, Topaz	Geochemistry, Geology, Misc and Fuels, Petrology, Stream sediment, Surface mapping	Arthur Lineament, Exploration Potential, Heazlewood River Ultramafic Complex(S), Kimberlite, Mineral Sands	Geological Mapping; Stream Sediment Geochemistry;	Bulk samples of stream sediments, Tertiary gravels and beach sands were subject to microscopic examination. Most samples contained chromite which may be kimberlitic. No other kimberlite indicators were found.
81_1552	Six Monthly Progress Report on Field Investigations Within EL 4/61 for Period Ending 24th February 1981. Part 1.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D.	01/02/1981	1	16PP, 2 APPX, 11 FIG, 11 PLANS,	Hall Creek, Savage River, Specimen Creek	Cleveland, Horton	Specimen Reef	Arsenic, Base Metals, Gold	EIP/MIP, Geophysics, Gnd magnetic, SP/AP/EP	Arthur Lineament, Rocky Cape Region(S)	Induced Polarisation/SP; Ground Magnetics; Soil geochemistry; Stream Sediment Geochemistry;	Geochemical and geophysical surveys of the old Specimen Reef gold-mining area have outlined several areas that warrant further investigation. Drilling is planned.
81_1552B	Comments on Gradient Reconnaissance and Dipole-Dipole Electrical Induced Polarization Surveys, Specimen Reef Area, EL 4/61, near Savage River, Tasmania	EL4/1961	Industrial and Mining Investigations Proprietary Limited, Scintrex Proprietary Limited	Howland-Rose, A.W.	01/02/1981	1	8PP, 1 APPX, 3 PLANS, DATA PROFILES, (APPENDIX B OF TCR 81-1552)	Savage River, Specimen Creek	Horton	Specimen Hill	Base Metals, Gold	EIP/MIP, Geophysics, Resistivity	Arthur Lineament	Induced Polarisation/SP;	The survey delineated a series of moderate but insignificant IP responses, typical of disseminated or electrically discontinuous sulphide (or graphite). The strike length of each source is less than the interline spacing (100m), while depths to source v
81_1600	Six-Monthly Report on Field Investigations Within EL 4/61 - West Coast, Tasmania. Period Ended 24 August 1981.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D.	01/08/1981	1	9PP, 4 APPX, 11 PLANS,	Broderick Creek, Brown Plains, Hall Creek, Little Donaldson River, McAuliffe Creek, McPhee Creek, Specimen Creek	Corinna, Horton	Long Plains, Specimen Reef	Base Metals, Gold, Iron, Magnetite, Silver, Tin	Geochemistry, Mineral/Gossan, Rock-chip, Stream sediment	Arthur Lineament, Gossan	Environment; Track / Roads; Stream Sediment Geochemistry; Rock Geochemistry;	A gossan sampling and stream sediment survey in the Davis Creek area, where base metal mineralisation is suggested, produced discouraging results.
82_1756	A Brief Report of Field Progress, E.L. 4/61, for the Period 24 November 1981- 5 March 1982.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D.	01/03/1982	1	2PP, 2 FIG, 4 PLANS,	Little Savage River, Main Rivulet, Savage River, Specimen Creek	Corinna	Savage R, Specimen Reef	Base Metals, Gold, Iron, Magnesite, Magnetite	Diamond, Drilling, Geochemistry, Stream sediment	Arthur Lineament, Dolomite, Metasomatism, Ultramafics	Stream Sediment Geochemistry; Drilling;	A brief progress report on exploration and drilling near Savage River for magnesite and gold.
82_1781	Report on Field Investigations Within E.L. 4/61: Summer Field Season 1981-82. Part 1: Geochemical Programme Northern E.L. 4/61.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Shannon, C.H.C.	01/06/1982	2	16PP, 1 APPX, 19 PLANS,	Broderick Creek, Donaldson River, Little Donaldson River, McAuliffe Creek, Savage River	Horton		Base Metals, Dolomite, Gold, Iron, Magnesite, Magnetite	Geochemistry, Geology, Rock-chip, Soil (A,B,C horiz), Stream sediment, Surface mapping	Arthur Lineament, Dolomite	Soil geochemistry; Geological Mapping; Stream Sediment Geochemistry; Rock Geochemistry;	An area prospective for copper mineralisation has been established within the McAuliffe Ck-Little Donaldson River area, northern E.L. 4/61. Further, more detailed investigations are proposed to delineate drill targets.
82_1782	Report on Field Investigations Within E.L. 4/61 - West Coast, Tasmania - Summer Field Season 1981-82 Part 2: Davis Creek-Specimen Creek Geochemical Surveys	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D.	01/05/1982	1	7PP, 3 APPX, 11 PLANS,	McPhee Creek, Savage River, Specimen Creek	Horton	Savage R, Specimen Reef	Base Metals, Gold, Iron, Magnetite	Geochemistry, Soil (A,B,C horiz), Stream sediment	Arthur Lineament, Vein Mineralisation	Soil geochemistry; Stream Sediment Geochemistry;	A detailed geochemical survey of the Davis Creek-Specimen Creek area did not produce sufficient incentive to warrant further investigations.
82_1783	Report on Investigations Within E.L. 4/61, West Coast, Tasmania, Summer Field Season 1981-82 Part 3. Drilling Programs of Specimen Reef and Main Creek.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Edyvean, M.D., Shannon, C.H.C., Woodman, J.	01/05/1982	1	20PP, 3 APPX, 10 PLANS,	Bowry Creek, Hall Creek, Main Rivulet, McPhee Creek, Savage River, Specimen Creek	Corinna, Horton	Savage R, Specimen Reef	Base Metals, Chalcopyrite, Copper, Gold, Hematite, Iron, Magnesite, Pyrite	Analysis, Diamond, Drilling, Geology, Logs, Metallic minerals, Percussion	Arthur Lineament, Dolomite, Metasomatism, Ultramafics, Vein Mineralisation	Drilling;	Carbonate-hematite veins within Precambrian green schist at Specimen Reef contain sporadic gold mineralisation but the prospect is considered to have little potential. Magnesite occurrences near Main Rivulet probably extend over a greater area than firs
83_2027	Report on Field Investigations Within E.L. 4/61, West Coast Tasmania Summer Field Season 1982-83.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Shannon, C.H.C., Vanzino, L.	01/08/1983	1	19PP, 2 APPX, 2 TABLES, 21 PLANS	Bowry Creek, Little Donaldson River, Main Rivulet, McAuliffe Creek, Pineapple Creek, Savage River	Corinna, Horton	Main Ck, Savage R	Base Metals, Iron, Magnesite, Magnetite, Pyrite	Analysis, Diamond, Drilling, Geochemistry, Geology, Logs, Metallic minerals, Mineral Process., Misc and Fuels, Percussion, Rock-chip, Soil (A,B,C horiz), Stream sediment, Surface mapping, Whole-rock:Major	Arthur Lineament, Dolomite, Metasomatism, Oonah Formation(S)	Soil geochemistry; Geological Mapping; Stream Sediment Geochemistry; Rock Geochemistry; Drilling;	Areas north and south along strike from the proven magnesite area of Main Ck were examined. Percussion drilling was unsuccessful in penetrating overburden. Exploration for Cu, Pb and Zn mineralisation in other areas of the E.L. continued.

**Savage River Past Exploration
1980-1984**

Report_no	Title	Tenements	Companies	Authors	Reportdate	Nf/vms	Structure	Ggrph/c	Map_name	Deposits	Minerals	Types	Keywords	Xpirmthds	Annotation
83_2037	Exploration Licence 4/61 West Coast Tasmania. Quarterly Resume 25.5.83 to 22.8.83.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Anon	01/08/1983		1 2PP, 3 APPX, (APPENDIX 3 = 83-2027)	Main Rivulet, Savage River	Corinna	Main Ck, Savage R	Magnetite, Pyrite	Diamond, Drilling, Logs, Metallic minerals, Mineral Process., Misc and Fuels	Arthur Lineament	Drilling;	Drill logs to accompany 83-2027 plus duplicate of 83-2027A.
84_2082	Exploration Licence E.L. 4/61 West Coast Tasmania. Quarterly Resume 23.8.83 to 22.11.83.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Anon	01/11/1983		1 3PP, 3 APPX,	Donaldson River, Main Rivulet, Mt Meredith, Savage River, Whyte River	Cleveland, Corinna, Horton	Main Ck	Magnesite, Platinoids, Tin	Geochemistry, Mineral Process., Misc and Fuels, Soil (A,B,C horiz), Stream sediment, Whole-rock, Major	Arthur Lineament, Cainozoic Sediments, Heazlewood River Ultramafic Complex(S), Metasomatism, Placer Deposits, Rocky Cape Region(S)	Soil geochemistry; Stream Sediment Geochemistry;	A heavy mineral sampling programme and follow up of magnetic anomalies has commenced. A statistical study of geochemical sampling in the area (see 84-2082A and a metallurgical report (see 84-2082B) are appended.
84_2082A	Statistical Study of Geochemical Sampling in I.M.I.'s EL 4/61 Tasmania.	EL4/1961	Geoplan Resource Planning, Industrial and Mining Investigations Proprietary Limited	Hawley, D.L.	01/10/1983		1 6PP, 5 TABLES, (APPENDIX 1 OF 84-2082)	Broderick Creek, Donaldson River, Little Donaldson River, McAuliffe Creek, Pineapple Creek, Savage River, Specimen Creek	Cleveland, Horton		Base Metals	Geochemistry, Soil (A,B,C horiz), Stream sediment	Soil geochemistry; Stream Sediment Geochemistry;	Samples were subdivided into 12 field identified rock type subdivisions and subjected to classical statistical analysis. Anomalous values were determined using a Lepellier cumulative frequency graph (applied inversely) to determine population threshold/	
84_2108	Exploration Licence 4/61 West Coast Tasmania. Quarterly Resume 23.11.83 to 22.2.84	EL4/1961, RL2/1988	Industrial and Mining Investigations Proprietary Limited	Anon	01/02/1984		1 6PP, 3 APPX, 2 TABLES, 1 PLAN, 2 SHEETS	Badger Plains, Brown Plains, Donaldson River, Little Savage River, Main Rivulet, McAuliffe Creek, Pineapple Creek, Rocky River, Savage River, Timbs Creek, Whyte River	Corinna, Horton	Main Ck	Base Metals, Chromite, Chromium, Dolomite, Gems, Gold, Iron, Magnetite, Pyrite, Silver, Tin, Tungsten	Geochemistry, Mineral Process., Mineral/Gossan, Misc and Fuels, Stream sediment	Arthur Lineament, Cainozoic Sediments, Deep Leads, Meredith Granite(S), Onah Formation(S), Placer Deposits	Stream Sediment Geochemistry;	A report on progress of a regional stream sediment survey over the central and southern portions of the licence area. Reports from CSIRO on processing the Main Creek magnetite are appended.
84_2108A	Stream Sediment Sampling Programme Progress Report to December 22nd, 1983.	EL4/1961, RL2/1988	Industrial and Mining Investigations Proprietary Limited	Penny, B.G.	01/12/1983		1 16PP, 4 FIG, (APPENDIX 1 OF 84-2108)	Armstrong Creek, Bowry Creek, Brown Plains, Nine Mile Creek, Pineapple Creek, Rocky River, Savage River, Timbs Creek	Corinna, Horton		Base Metals, Gold, Iron, Magnetite, Pyrite, Tin	Geochemistry, Stream sediment	Arthur Lineament, Cainozoic Sediments, Deep Leads, Placer Deposits	Stream Sediment Geochemistry;	Panned concentrates and sludge samples were sampled. Armstrong and Nine Mile Creeks are prospective for gold. Base metal anomalies in Timbs Ck are coincident with magnetic anomalies. Follow-up work in these areas is recommended for "hard rock deposits" 3019,42557,84_2108B"
84_2262	Report on Field Investigations Within Exploration Licence 4/61, West Coast, Tasmania; Summer Field Season 1983-1984	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Penny, B.G., Shannon, C.H.C., Vanzino, L.	01/08/1984		2 56PP, 13 APPX, 33 PLANS,	Armstrong Creek, Big Duffer Creek, Brown Plains, Little Savage River, Nine Mile Creek, Rocky River, Savage River, Specimen Creek, Timbs Creek, Whyte River	Corinna, Horton		Base Metals, Diamond, Gems, Gold, Heavy Minerals, Tin	Geochemistry, Geology, Misc and Fuels, Petrology, Rock-chip, Soil (A,B,C horiz), Stream sediment	Arthur Lineament, Kimberlite, Replacement Mineralisation, Vein Mineralisation	Soil geochemistry; Stream Sediment Geochemistry; Rock Geochemistry;	Arsenic and/or gold anomalies in the Rocky River, Nine Mile Ck, Armstrong Ck and Golden Ridge areas may occur on the same stratigraphic horizon. Regional stream sediment sampling with follow-up soil sampling outlined several zones with anomalous base me
85_2332	Relinquishment Report on Areas Released from Exploration Licence 4/61, West Coast, Tasmania.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Shannon, C.H.C.	01/01/1985		2 52PP, 5 APPX, 25 PLANS	Armstrong Creek, Badger Plains, Broderick Creek, Donaldson River, Little Donaldson River, Lucy Creek	Corinna, Horton		Base Metals, Clay, Diamond, Gems, Gold, Kaolinite	Air magnetic, Geochemistry, Geology, Geophysics, Misc and Fuels, Petrology, Soil (A,B,C horiz), Stream sediment, Surface mapping	Arthur Lineament, Rocky Cape Region(S), Vein Mineralisation	Aeromagnetics; Soil geochemistry; Geological Mapping; Stream Sediment Geochemistry;	Exploration on relinquished areas between 1980 and 1985 is summarised. Regional stream sampling and grid based soil sampling failed to delineate potential areas of economic mineralisation.
85_2343	Additional Report on the Soil Geochemistry of the Northern Area of Exploration Licence 4/61, West Coast, Tasmania, Summer Field Season, 1984-85.	EL4/1961	Industrial and Mining Investigations Proprietary Limited	Vanzino, L.	01/11/1984		1 12PP, 4 APPX, 16 PLANS,	Broderick Creek, Little Donaldson River, Pineapple Creek, Specimen Creek	Horton		Base Metals, Gold, Pyrite, Silver	Geochemistry, Soil (A,B,C horiz)	Arthur Lineament	Soil geochemistry;	Sample re-assays were successful in defining three major arsenic anomalies. Further soil sampling is recommended to ascertain if arsenic has a sympathetic relationship with gold.

**Savage River Past Exploration
1986 - 1989**

Report no	Title	Tenements	Companies	Authors	Reportdate	Nr/vms	Structure	Gprphic	Map name	Deposits	Minerals	Types	Keywords	Xplrmtths	Annotation
86_2614	Exploration Licence No. 22/85, Savage River. Report on Exploration Activity 20th November, 1985 to 20th November, 1986.	EL22/1985	Electrolytic Zinc Company of Australasia Limited	Mathison, I.J.	01/11/1986	1	8 PP, 1 FIG, 2 PLANS	Lucy Creek, Savage River	Corinna	Lucy Spur, Nancy Spur, Rocky R	Gold	Geology, Surface mapping	Arthur Lineament, Battys Bend Formation(S), Bowry Member(S), Cainozoic Sediments, Onah Formation(S), Placer Deposits	Geological Mapping;	Gridding and geological mapping of Lucy Creek block is in progress. A compilation of geology and mineralisation from literature is presented.
87_2683	Annual Report on Investigations Within Exploration Licence 4/61, West Coast, Tasmania (September 1986 - June 1987)	EL4/1961	Savage Resources Limited	Annett, R.W., Shannon, C.H.C.	01/06/1987	2	40PP, 9 APPX, 19 PLANS,	Bowry Creek, Brown Plains, Main Rivulet, Rocky River, Savage River, Specimen Creek	Corinna, Horton	Main Ck, Rocky R, Specimen Reef	Clay, Gold, Graphite, Magnesite, Ochre, Silica, Talc	Bed-rock, Geochemistry, Geology, Geophysics, Gnd magnetic, Indust. Minerals, Mineral/Gossan, Misc and Fuels, Rock-chip, Soil (A,B,C horiz), Stream sediment	Arthur Lineament, Cainozoic Sediments	Environment, Cut Grid Lines;Ground Magnetics; soil geochemistry, geology	A summary of on-going exploration for gold and industrial minerals. The gold projects are concentrated in areas peripheral to magnetite deposits particularly where a carbonate facies association is also present.
88_2771	Annual Report on Investigations Within Exploration Licence 4/61, West Coast, Tasmania (June 1987 - December 1987)	EL4/1961	Savage Resources Limited	Annett, R.W., Shannon, C.H.C.	01/01/1988	1	11PP, 3 APPX, 2 PLANS,	Rocky River, Savage River, Specimen Creek	Corinna, Horton	Golden Ridge, Rocky R, Specimen Reef	Clay, Gold, Kaolinite, Talc	Analysis, Drilling, Geochemistry, Geology, Logs, Metallic minerals, Misc and Fuels, Percussion, Rock-chip, Soil (A,B,C horiz)	Arthur Lineament, Cainozoic Sediments, Secondary Enrichment	Drilling;	A summary and review of gold exploration and mineralisation in areas to be relinquished.
88_2775	Continuing Tenure Application Area, Exploration Licence 4/61, Savage River, Tasmania. Status of the Magnesite Project: Main Creek and Bowry Creek Deposits	EL4/1961, RL2/1988	Savage Resources Limited	Shannon, C.H.C.	01/02/1988	2	28PP, 2 APPX, 12 PLANS,	Bowry Creek, Main Rivulet, Savage River	Corinna	Bowry Ck, Main Ck	Magnesite, Talc	Analysis, Diamond, Drilling, Feasibility Study, Geochemistry, Geology, Indust. Minerals, Logs, Mine/Deposit, Mineral Process., Mining, Misc and Fuels, Non-metallics, Ore Reserves, Whole	Arthur Lineament	Geological Mapping;	A summary of the geology of the deposit. Mineral processing and mineral economic factors effecting the viability of the resource are discussed. A major drilling program is planned.
88_2779	Relinquishment Report on Exploration Licence 4/61 Savage River, Tasmania	EL4/1961	Industrial and Mining Investigations Proprietary Limited, Savage Resources Limited	Shannon, C.H.C.	01/02/1988	2	21PP, 2 APPX, 5 PLANS,	Battys Bend, Brown Plains, Little Donaldson River, Main Rivulet, Rocky River, Savage River, Specimen Creek, Whyte River	Corinna, Horton	Golden Ridge, Main Ck, Rocky R, Specimen Reef	Base Metals, Clay, Diamond, Gems, Gold, Heavy Minerals, Magnesite, Tin	Auger/Test pits, Drilling, Geochemistry, Geology, Geophysics, Indust. Minerals, Misc and Fuels, Rock-chip, Soil (A,B,C horiz), Surface mapping, Whole-rock, Major, Whole-rock, Trace	Arthur Lineament, Cainozoic Sediments, Placer Deposits, Replacement, Mineralisation, Rocky Cape Region(S), Secondary Enrichment, Vein Mineralisation	Geological Mapping;	A historical overview and commentary on exploration in the licence. Some new data is presented. Volume 2 contains miscellaneous reports listed in the bibliography on the EL, which were not previously submitted to the department.
88_2854	Exploration Licence 24/87 - Rapid River, Annual Report : Year 1 (September 1987 - September 1988)	EL24/1987	Betoota Proprietary Limited, Echelon Proprietary Limited, Pasadena Projects Proprietary Limited, Petrecon Australia Proprietary Limited	Cromer, W.C., Davidson, J.K., Hofto, V.	01/08/1988	1	13PP, 4 APPX (APPX 1 and 2 = 2 PLANS), 1 FIG, 2 PLATES,	Donaldson River, Rapid River	Arthur River		Base Metals, Diamond, Gems, Gold, Heavy Minerals, Iron, Magnesite, Magnetite, Osmiridium, Platinoids	Geochemistry, Geology, Rock-chip, Stream sediment, Surface mapping	Arthur Lineament, Bernafai Volcanics(S), Bowry Formation(S), Cainozoic Sediments, Deep Leads, Exploration Potential, Placer Deposits, Stratigraphy, Structural Geology, Ultramafics, Vein Mineralisation	Rock Geochemistry;	Previous mining and exploration is summarised. A geological compilation of the area is presented. The EL is considered to be prospective for: (a) stratiform base metals and gold in amphibolites beneath shallow basaltic cover, and (b) alluvial gold, PGE
89_2959	E.L. 37/82 Longback, Annual Report on Exploration Activity, April 1988 - April 1989.	EL37/1982	Electrolytic Zinc Company of Australasia Limited, Nolan H D, Norgold Limited	Mathison, I.J., Virgoe, K.J.	01/05/1989	1	11PP, 5 APPX, 5 FIG, 6 PLANS,	Savage River, The Longback, Timbs Creek	Corinna		Gold	Air magnetic, Geochemistry, Geology, Geophysics, Gravity, Misc and Fuels, Petrology, Rock-chip, Soil (A,B,C horiz), Stream sediment	Arthur Lineament, Cainozoic Sediments	Aeromagnetics;	Grid based mapping and geochemical sampling of the Eastside grid along the dolomite/phyllite contact produced no anomalous gold values within the EL. Some alluvial gold with a possible bedrock source is delineated west of the Savage River.

Savage River Past Exploration
1990-1994

Report_no	Title	Tenements	Companies	Authors	Reportdate	Nfvms	Structure	Ggrphcic	Map_name	Deposits	Minerals	Types	Keywords	Xpirmthds	Annotation
90_3108	Exploration Licence 35/85, Corinna, West Tasmania. Report on Exploration to 20th April, 1990.	EL35/1985	Aberfoyle Resources Limited, Nolan H D	Henham, R.J.	01/03/1990	1	10PP, 3APPX, 5 PLANS,	Corinna, Elizabeth Ridge, Fogarty's Creek, Middleton Creek, Sailor Jack Creek, White Creek, Womble Creek	Corinna	Brookside, Middleton Ck	Gold	Geochemistry, Geology, Misc and Fuels, Petrology, Rock-chip, Stream sediment, Surface mapping	Bernafai Volcanics(S), Corinna Dolomite(S)	Rock Geochemistry;	Summarizes previous exploration and regional geology. Describes local geology, alteration in Corinna Dolomite, mineralisation, rock chip geochem. and stream seds. Results disappointing.
90_3127	Final Report. Exploration Licence 4/61, Savage River, Tasmania, Including the Period 28th February, 1989 to 22nd March 1990.	EL4/1961	Savage Resources Limited	Shannon, C.H.C.	01/04/1990	1	23PP, 3 PLATES,	Savage River, Specimen Creek	Horton	Specimen Reef	Gold	Analysis, Diamond, Drilling, Geology, Logs, Metallic minerals, Mine/Deposit	Arthur Metamorphic Complex(S), Vein Mineralisation	Drilling;	Two DDHs extended and one new hole drilled. Intercepts with Specimen Reef are thought to have been achieved but poor Au results. Intercepts comprise thin veins of dolomite and siderite with quartz and magnetite. No further work recommended though some u
90_3137	Exploration Licence 40/88 Savage River Tasmania. Final Report on Exploration to 15th May 1990.	EL40/1988	Aberfoyle Resources Limited	Henham, R.J.	01/05/1990	1	8PP, 2 APPX, 5 PLATES,	Bowry Creek, Savage River	Corinna, Horton	Pistol Range	Gold	Geochemistry, Misc and Fuels, Petrology, Stream sediment	Vein Mineralisation	Stream Sediment Geochemistry;	Details follow-up stream sediment sampling of an Au anomaly generated during the previous seasons base metal exploration. Petrological examination of Au grains suggests proximal quartz vein derivation. This style of mineralisation is not considered an a
90_3162	E.L. 28/89 Little Donaldson River Annual Report	EL28/1989	Mineral Holdings Australia Proprietary Limited, Nargun Proprietary Limited	Threader, V.M.	01/08/1990	1	2PP, 2 FIG, 1 APPX,	Little Donaldson River	Cleveland		Magnesite	Geochemistry, Geophysics, Rock-chip, Whole-rock:Major	Arthur Metamorphic Complex(S)	Rock Geochemistry;	Two magnesite samples (one of float) analysed for MgO/CaO. Crushing, grinding and calcining tests said to have been done but no results given.
90_3191	Final Report of Exploration on Surrender of EL 57/83 Mt Donaldson and EL 22/88 Newdegate Creek and Partial Relinquishment of EL 35/85 Corinna	EL22/1988, EL35/1985, EL57/1983	Aberfoyle Resources Limited, Cominex, Nolan H D	Elson, R.J.	01/10/1990	1	10PP, 1 PLAN, 3 APPX,	Corinna, Mt Donaldson, Newdegate Creek	Corinna	Brookside	Base Metals, Gold, Silica	Geochemistry, Rock-chip	Bernafai Volcanics(S), Corinna Dolomite(S)	Rock Geochemistry;	Exploration work in each EL briefly outlined and references given. Work in each included exploration for silica flour, gold and base metals using mapping, rock chips and stream sediments. Of particular interest was a model of carbonate hosted gold - thi
91_3212	E.L. 41/89 Mt Bertha. Report on Exploration Activity January 1990 to November 1990.	EL41/1989	Geopeko Limited, Peko Exploration Limited	Mathison, I.J., Virgoe, K.J.	01/12/1990	2	7PP, 5 FIG, 2 TABLES, 3 APPX, 3 PLATES,	Mt Bertha	Cleveland, Horton		Base Metals, Gold	Air magnetic, Geochemistry, Geology, Geophysics, Gravity, Surface mapping, Water	Arthur Metamorphic Complex(S), Rocky Cape Group(S), Smithton Trough(S)	Aeromagnetics;	Reviews of regional geology and geophysics (aeromagnetics/gravity interpretation) are provided. Five water samples were collected from a few creeks in the eastern part of the E.L. No anomalous results. Review of exploration in earlier licences (EL 12/65
91_3218	EL 45/89 Savage River. Report on Exploration Activity January 1990 to November 1990.	EL45/1989	Geopeko Limited, Peko Exploration Limited	Mathison, I.J., Virgoe, K.J.	01/12/1990	1	5PP, 3 APPX, 5 FIG, 2 TABLES,	Savage River	Cleveland, Horton		Copper, Gold, Lead, Silver, Zinc	Air magnetic, Geochemistry, Geophysics, Gravity, Stream sediment	Arthur Lineament, Burnie Formation(S), Precambrian Sediments, Rocky Cape Group(S)	Aeromagnetics;	Review of data suggests area is worthy of exploration.
92_3334	Annual Report Exploration Licence 27/90 Corinna, Tasmania for the Period 22nd March, 1991 to 22nd March, 1992.	EL27/1990	Corinna Clays Partnership, Shannon C H C, South Raeburn Proprietary Limited	Shannon, C.H.C.	01/02/1992	1	8PP, 4 APPX, 2 PLATES,	Corinna	Corinna	Browns Plains Clay	Clay	Auger/Test pits, Drilling, Environment, Geochemistry, Geology, Indust. Minerals, Mine/Deposit, Mineral Process., Misc and Fuels, Ore Reserves, Whole-rock:Major	Cainozoic Sediments	Drilling;	Samples previously collected by Savage Resources have been destroyed by dumping or neglect. Savage Resources auger logs reported here for the first time Resource estimate now 383000 - 536000 tonnes clay. Fe and Ti better than in other Tasmanian ball c
92_3334	Annual Report Exploration Licence 27/90 Corinna, Tasmania for the Period 22nd March, 1991 to 22nd March, 1992.	EL27/1990	Corinna Clays Partnership, Shannon C H C, South Raeburn Proprietary Limited	Shannon, C.H.C.	01/02/1992	1	8PP, 4 APPX, 2 PLATES,	Corinna	Corinna	Browns Plains Clay	Clay	Auger/Test pits, Drilling, Environment, Geochemistry, Geology, Indust. Minerals, Mine/Deposit, Mineral Process., Misc and Fuels, Ore Reserves, Whole-rock:Major	Cainozoic Sediments	Environment; Rehabilitation Site;	Samples previously collected by Savage Resources have been destroyed by dumping or neglect. Savage Resources auger logs reported here for the first time Resource estimate now 383000 - 536000 tonnes clay. Fe and Ti better than in other Tasmanian ball c
92_3363	EL 12/90 and EL 15/90 Waratah Area Annual Report for the Period July 1991 to June 1992.	EL12/1990, EL15/1990	RGC Exploration Proprietary Limited, Renison Limited	Halley, S.W.	01/06/1992	1	17 PP, 2 APPX, 7 PLANS,	Deep Gully Creek, Waratah, Whyte River, Wombat Flat	Cleveland, Huskisson, Tullah, War		Tin	Geochemistry, Geology, Geophysics, Gnd magnetic, Rock-chip, Stream sediment, Surface mapping	Crimson Creek Formation(S), Gordon Limestone(S), Mt Bischoff Porphyry(S), Oonah Formation(S), Skarn	Geological Mapping;	Significant stream sediment tin anomaly occurs at Deep Gully Ck also blocks of mineralised porphyry. Hematite-magnetite skarn was located at the Whyte River prospect with maximums of 1000 ppm Sn, 630 ppm W. Wombat Flat area has tin in Tertiary sediment

Savage River Past Exploration
1990-1994

Report_no	Title	Tenements	Companies	Authors	Reportdate	Nfvms	Structure	Ggrphclic	Map_name	Deposits	Minerals	Types	Keywords	Xpirmthds	Annotation
92_3365	Partial Relinquishment Report Including Report on Exploration Activity December 1991 to June 1992.	EL45/1989	Geopeko Limited	Gardner, D., Mathison, I.J.	01/07/1992	1	8 PP, 2 FIG, 2 APPX, 5 PLATES	Donaldson River, Savage River	Waratah	Specimen Reef	Copper, Gold	Bed-rock, Geochemistry, Geology, Stream sediment, Surface mapping, Water	Amphibolite, Arthur Metamorphic Complex(S), Bowry Formation(S), Huminex	Geological Mapping;	An area of 120 skm was relinquished after a regional water sampling program. Widespread low level anomalous results suggest a possible source of mineralization at depth. Budget restrictions resulted in this area being relinquished.
92_3368	Relinquishment Report Including Report on Exploration Activity December 1991 to June 1992.	EL41/1989	Geopeko Limited	Mathison, I.J.	01/06/1992	1	7 PP, 1 FIG, 2 APPX, 5 PLATES	Mt Bertha	Cleveland		Gold	Geochemistry, Geology, Rock-chip, Stream sediment, Surface mapping, Water	Arthur Metamorphic Complex(S)	Rock Geochemistry;	Limited funds resulted in an incomplete exploration program and early relinquishment.
92_3368	Relinquishment Report Including Report on Exploration Activity December 1991 to June 1992.	EL41/1989	Geopeko Limited	Mathison, I.J.	01/06/1992	1	7 PP, 1 FIG, 2 APPX, 5 PLATES	Mt Bertha	Cleveland		Gold	Geochemistry, Geology, Rock-chip, Stream sediment, Surface mapping, Water	Arthur Metamorphic Complex(S)	Stream Sediment Geochemistry;	Limited funds resulted in an incomplete exploration program and early relinquishment.
93_3415	Annual Report 1993	EL27/1990	Corinna Clays Partnership, Shannon C H C, South Raeburn Proprietary Limited	Shannon, C.H.C.	01/02/1993	1	10PP, 2 APPX	Brown Plains	Corinna		Clay	Analysis, Auger/Test pits, Drilling, Geology	Cainozoic Sediments	Drilling;	Discussion of analytical results obtained in the previous year. Six blended samples prepared for ceramic tests next year
93_3516A	An Archaeological Survey of Proposed Pigment Extraction Areas, Savage River, North Western Tasmania	RL2/1988	Du Cros and Associates, Savage Resources Limited	Du Cros, H.	01/01/1993	1	18PP, 3 APPX, 4 FIGS, (APPX 4 OF TCR 93-3516)	Savage River, Timbs Creek	Corinna	Bowry Ck, Main Ck	Iron, Magnesite, Ochre, Umber	Environment, Misc and Fuels	Archaeology	Environment; Rehabilitation Site;	No aboriginal or european archaeological sites were located during the survey. It was concluded that there were no archaeological grounds for preventing the development.
94_3536	EL 36/92 Heazlewood, Tasmania - Annual Report for the Period Ending 5 March 1994	EL36/1992	CRA Exploration Proprietary Limited	Maheer, S.	01/01/1994	1	13PP, 1FIG, 3PLANS, 2APPX,	Bronzite Hill, Caudry's Hill, Heazlewood River, Mt Cleveland, Savage River, Whyte River	Huskisson	Brassey, Duffs Hill, Fentons, Jasper	Copper, Gold, Lead, Nickel, Platinoids, Silver, Zinc	Geochemistry, Mineral/Gossan, Misc and Fuels, Petrology, Rock-chip	Basalt, Heazlewood River Ultramafic Complex(S)	Rock Geochemistry;	Exploration for nickel mineralisation and hydrothermal copper-gold mineralisation in Cambrian mafic-ultramafic complexes at Heazlewood River and Mt Stewart. Work carried out includes geochemical and petrological rock chip sampling, prospect examination.
94_3541	Final Report EL 27/90 Corinna, Tasmania Including Results for Period 22 March 1993 to 22 March 1994.	EL27/1990	Corinna Clays Partnership, South Raeburn Proprietary Limited	Shannon, C.H.C.	01/02/1994	1	9PP, 2APPX	Brown Plains, Corinna	Corinna	Browns Plains Clay	Clay, Kaolinite	Geochemistry, Indust. Minerals, Mineral Process, Misc and Fuels, Soil (A,B,C horiz)	Sizing Analysis	Soil geochemistry;	After the removal of a coarse fraction, the grain size of the clays is typical of ball clays or sedimentary clays. The mineralogical content is too far removed from classical clay. Al ₂ O ₃ is too low; feldspar, silica, titanium and iron are too high. The b
94_3580	Rehabilitation Surveys Heazlewood (EL 21/85)	EL21/1985	Metals Exploration Limited, Phil Jones and Associates Proprietary Limited	Jones, P.A.	01/06/1994	1	7PP, 3FIG	Heazlewood River	Cleveland					Environment; Rehabilitation Site;	Reseeding and fertiliser application of selected sites disturbed by Metals Exploration Ltds activities during tenure of EL 21/85. Brief account of rehabilitation work accomplished by author.
94_3605	A List of Transparencies of Plans from Portions of EL 4/61 in the Savage River Area.	EL4/1961	Mineral Resources Tasmania, Savage Resources Limited, Solo Geophysics	Anon	01/08/1994	1	1PP	Bowry Creek, Main Creek, Savage River	Horton	Specimen Reef	Magnesite	Geochemistry, Geology, Geophysics, Gnd magnetic, Rock-chip, Soil (A,B,C horiz), Surface mapping		Geological Mapping;	A list of transparencies of plans from the Savage River area.
94_3617	A List of Transparencies of Plans from the Longback, EL 37/82	EL37/1982	Cominex, Electrolytic Zinc Company of Australasia Limited, Geopeko Limited, Mineral Resources Tasmania	Anon	01/08/1994	1	1PP	The Longback, Timbs Creek	Corinna			Geochemistry, Geology, Rock-chip, Soil (A,B,C horiz), Surface mapping		Rock Geochemistry;	A list of transparencies covering joint venture work in the Longback.
94_3619	List of Transparencies from Portions of EL 4/61 and EL 22/85.	EL4/1961	Electrolytic Zinc Company of Australasia Limited, Geopeko Limited, Mineral Resources Tasmania, Savage Resources Limited	Anon	01/08/1994	1	2PP	Savage River		Frenchmans, Lucy Ck		Air magnetic, Bed-rock, Environment, Geochemistry, Geology, Geophysics, Misc and Fuels, Rock-chip, Soil (A,B,C horiz), Stream sediment, Surface	Arthur Lineament	Soil geochemistry; Rock Geochemistry; Geological Mapping;	A list of transparencies of plans from portions of ELs 4/61 and 22/85 near Savage River.

Savage River Past Exploration
1995-1999

Report no	Title	Tenements	Companies	Authors	Reportdate	NrVims	Structure	Gprphc	Map_name	Deposits	Minerals	Types	Keywords	Xplrthds	Annotation
95_3705	EL 36/92 Heazlewood, Tasmania. Annual Report for Period Ending 5 March 1995.	EL36/1992	CRA Exploration Proprietary Limited	Maheer, S.	01/02/1995	1	14PP, 1FIG, 9PLANS, 4 APPX	Brassey Hill, Burgess Hill, Heazlewood River, Jasper Hill, Mt Stewart	Cleveland	Brassey, Duffs Hill, Fentons, New Jasper, Old Jasper	Base Metals, Chalcopyrite, Osmiridium, Platinoids	Geochemistry, Misc and Fuels, Petrology, Rock-chip, Soil (A,B,C horiz), Stream sediment	Alteration, Dunite, Fault Mineralisation, Heazlewood River Ultramafic Complex(S), Laterite, Magmatic Mineralisation, Mt Stewart Ultramafic Complex(S), Pyroxenite, Sampling Methods, Serpentine	Soil geochemistry;	CRAE are exploring for a bulk low-grade Ni deposit. 132 drainage samples were collected and analysed. Two adjacent catchments at Fentons Knob had anomalous Ni (greater than 3000ppm). Further work is planned here. Channel sampling over the Duffs Hill mine
95_3777	Final and Third Annual Report for the Period Ending 5 March 1996 EL 36/92 Heazlewood.	EL36/1992	CRA Exploration Proprietary Limited	Maheer, S.	01/09/1995	1	5PP, 3 MAPS	Basalt Hill, Brassey Hill, Bronzite Hill, Burgess Hill, Caudrys Hill, Duffs Hill, Gabbro Hill, Heazlewood River, Jasper Hill, Nineteen Mile Creek	Cleveland	Duffs Hill, Fentons, Jasper	Copper, Gold, Iridium, Nickel, Osmiridium, Platinoids	Geochemistry, Rock-chip, Soil (A,B,C horiz), Stream sediment	Basalt, Fault Mineralisation, Gabbro, Heazlewood River Ultramafic Complex(S), Magmatic Mineralisation, Mt Stewart Ultramafic Complex(S), Serpentine, Ultramafics, Volcanic Hosted Mineralisation	Soil geochemistry;	Summary of three years work in the Heazlewood River and Mt Stewart Ultramafic Complexes. Exploration was for low total sulphide nickel mineralisation and Cu-Au mineralisation hosted by Cambrian tholeiitic basalts. Drainage sampling gave anomalous nickel
96_3822	Summary Report on Activities in 1993 on EL 35/94 Savage River and EL 36/94 Mt Bertha.	EL35/1994, EL36/1994	Allstate Explorations NL	Ridge, K.J.	01/01/1996	1	8PP, 2 PLATES	Arthur River, Keith River, Mt Bertha, Savage River	Meunna	Keith R, Savage R, Victory	Copper, Gold, Iron, Magnesite	Air magnetic, Geophysics	Amphibolite, Arthur Metamorphic Complex(S), Gossan, Magnetic Intensity Map	Aeromagnetics;	Very brief summary of initial literature survey and planned work. John Bishop gives a brief review of previous geophysical work. Presents an ERMapper image with a lineament study overlaid. A detailed report is promised for February 1996.
96_3838	Annual Report EL 35/94, EL 36/94 Savage River and Mt Bertha	EL35/1994	Allstate Explorations NL	Ridge, K.J.	01/03/1996	1	16PP, 1 APPX	Mt Bertha, Rapid River, Savage River	Cleveland, Meunna	Arthur R, Golden Ridge, Keith R, Lyons R, Main Ck, Savage R, Specimen Reef, Victory	Base Metals, Gold	Air magnetic, Geophysics	Amphibolite, Arthur Lineament, Arthur Metamorphic Complex(S), Basalt, Bowry Member(S), Carbonate Hosted Mineralisation, Exploration Potential, Fault Mineralisation	Aeromagnetics;	Review of previous work. Preliminary aeromagnetic interpretation by John Bishop. This identified a number of targets where cross cutting lineaments intersected magnetic lithologies. Further interpretation is recommended followed by on-ground investigation
96_3876	Annual Report EL 35/94 Savage River and 36/94 Mt Bertha	EL35/1994, EL36/1994	Allstate Explorations NL	Ridge, K.J.	01/12/1995	1	9PP, 2 APPX, 2 FIGS	Donaldson River, Keith River, Lyons River, Mt Bertha, Rapid River, Savage River	Meunna	Alpine, Arthur R, Golden Ridge, Lyons R, Main Ck, Rocky R, Savage R, Specimen Ck, Specimen Reef, Victory	Chalcopyrite, Copper, Gold, Lead, Magnesite, Magnetite, Platinoids, Pyrite, Zinc	Air magnetic, Geology, Geophysics, Mine/Deposit	Amphibolite, Arthur Lineament, Arthur Metamorphic Complex(S), Carbonate Hosted Mineralisation, Ironstone, Mafic Volcanics, Oonah Formation(S), Placer Deposits, Precambrian Sediments, Sediment Hosted Mineralisation, Vein Mineralisation	Aeromagnetics;	The bulk of this report comprises an interpretation of the 1993 aeromagnetic survey by Geo Instruments. This first pass interpretation emphasised shear zones, intersecting linears and individual magnetic anomalies. The report also includes a brief summa
97_4074A	Microscopic Examination of Gold Particles in Panned Concentrate Samples - EL 43/94, Corinna	EL43/1994	Goldstream Mining NL, Titan Resources NL, Turner Geological Services	Nolan, H.D.	01/05/1996	1	34PP, (APPX 3 OF 97-4074A)	Corinna, Corinna Road, Paradise River, Pieman River, Rooks River, Savage River, Whyte River	Corinna		Gold	Geochemistry, Stream sediment	Arthur Metamorphic Complex(S), Placer Deposits, Tertiary(S)	Stream Sediment Geochemistry;	This report is an appendix to the Annual Report for EL 43/94 Corinna. It details physical properties of alluvial gold particles in panned concentrate field samples taken from Tertiary gravels which cover a significant part of the tenement. As well as go
97_4074B	A Petrographic and Geochemical Investigation of Gold: Arthur Belt, Western Tasmania, EL 43/94, Corinna	EL43/1994	Goldstream Mining NL, Titan Resources NL	Kitto, P.A.	01/09/1996	1	17PP, 11 PLATES, 1 APPX	Corinna, Pieman River, Whyte River	Corinna		Gold, Silver	Geochemistry, Mineral analysis, Stream sediment	Arthur Metamorphic Complex(S), Placer Deposits, Tertiary(S)	Stream Sediment Geochemistry;	This report is as appendix to the Annual Report for EL 43/94 Corinna. It details petrographic and geochemical investigations of alluvial gold particles in panned concentrate field samples from Tertiary gravels. The gold is interpreted as proximal (1-2km
97_4075	Annual Report to 6/3/97 - EL 26/95 - Specimen Creek	EL26/1995	Goldstream Mining NL, Titan Resources NL	Turner, N.J.	01/10/1997	2	3PP, 2 FIG, 1APPX, 2 PLANS	Armstrong Creek, Broderick Creek, Donaldson River, Hall Creek, Kaysers Creek, McPhee Creek, Pipeline Road, Specimen Creek	Cleveland, Horton	Specimen Reef	Gold	Air magnetic, Geology, Geophysics	Arthur Lineament, Arthur Metamorphic Complex(S), Magnetic Intensity Map, Vein Mineralisation	Aeromagnetics;Drilling;	Proterozoic iron-formation hosted lode gold mineralisation is targeted. Detailed helimag (50m line spacing, 40m clearance) was flown over the area(12 skm). A review of previous work at Specimen Reef is pessimistic but it is concluded that earlier drill
97_4107	Annual Report - EL 26/95, Specimen Creek	EL26/1995	Goldstream Mining NL, Titan Resources NL, Turner Geological Services	Turner, N.J.	01/12/1997	1	4PP, 2 FIG, 1 APPX, 1 PLAN	Broderick Creek, Kaysers Creek, Pipeline Road, Specimen Creek	Horton	Specimen Reef	Copper, Gold, Lead, Zinc	Analysis, Diamond, Drilling, Geochemistry, Metallic minerals, Surface mapping	Arthur Metamorphic Complex(S), Vein Mineralisation	Drilling;	Two diamond drill holes totalling 405m confirmed a previous interpretation of Specimen Reef. The best intersection was 2m at 0.56g/t Au. The mineralisation appears to be associated with sheeted quartz-pyrite-siderite veinlets in silicified, possibly maf
99_4288	Annual Report to 6/3/99 - EL 26/95, Specimen Creek, Western Tasmania	EL26/1995	Goldstream Mining NL, Titan Resources NL	Turner, N.J.	01/07/1998	2	6PP, 3FIG, 6APPX, 1 PLAN	Armstrong Creek, Broderick Creek, Kaysers Creek, Pipeline Road, Savage River, Specimen Creek	Cleveland, Horton	Specimen Reef	Brannerite, Gold, Uranium	Air magnetic, Air radiometric, Diamond, Drilling, Geochemistry, Geology, Geophysics, Logs, Mine/Deposit, Misc and Fuels, Ore Genesis, Rock-chip, Stream sediment	Alteration, Arthur Lineament, Arthur Metamorphic Complex(S), Bowry Formation(S), Fault Mineralisation, Vein Mineralisation	Drilling;Rock Geochemistry;Stream Sediment Geochemistry;	Detailed petrography (see TCR99-4288B) shows that alteration and gold mineralisation in Specimen Reef SCDDH1 is similar to Archean/Proterozoic quartz carbonate shear hosted deposits. Geophysical interpretation (TCR 99-4288A) suggests NW/SE extensions of

Savage River Past Exploration
1995-1999

Report_no	Title	Tenements	Companies	Authors	Reportdate	NrVims	Structure	Ggrphcic	Map_name	Deposits	Minerals	Types	Keywords	Xplrmtths	Annotation
99_4288A	Comments on Airborne Geophysical Data, EL 26/95, Specimen Creek, Western Tasmania	EL26/1995	Goldstream Mining NL, Titan Resources NL	Leaman, D.E.	01/05/1998	1	4PP, 11FIG (APPX 5 OF TCR 99-4288)	Armstrong Creek, Broderick Creek, Kaysers Creek, Pipeline Road, Savage River, Specimen Creek	Cleveland, Horton	Specimen Reef	Gold	Air magnetic, Air radiometric, Geophysics	Arthur Lineament, Arthur Metamorphic Complex(S), Bowry Formation(S), Fault Mineralisation, Vein Mineralisation	Aeromagnetics;	There are suggestions from previous aeromagnetic surveys that Specimen Reef may extend for up to 2km both to the SW and NE and is possibly controlled by relatively recent sinistral shears. It is uncertain whether gold-brannerite in veins produces a clear
99_4288B	Petrographic Investigation of the Alteration and Vein Assemblages at Specimen Creek Prospect, Arthur Mobile Belt, Western Tas.	EL26/1995	Goldstream Mining NL, Titan Resources NL	Sharpe, R.	01/04/1998	1	27PP, 1 TABLE, 6PLATES, 1 APPX (APPX 6 OF TCR 99-4288)	Armstrong Creek, Broderick Creek, Kaysers Creek, Pipeline Road, Savage River, Specimen Creek	Cleveland, Horton	Specimen Reef	Brannerite, Gold, Uranium	Diamond, Drilling, Geochemistry, Geology, Logs, Mine/Deposit, Mineral analysis	Alteration, Arthur Lineament, Arthur Metamorphic Complex(S), Bowry Formation(S), Fault Mineralisation, Microprobe Analysis, Vein Mineralisation	Drilling;	Hole SCDDH1 was logged and detailed petrography undertaken on 18 samples. The wallrock is a massive metasediment affected by greenschist metamorphism, penetrative and crenulation cleavages and quartz-feldspar alteration. Later carbonate veining hosts hi
99_4356	Final Report - EL 44/96 - Corinna	EL44/1996	Holland R J + H O	Holland, RJ and HO	30/07/1999	1	2pp, 1 table, 1 map	Corinna, Middleton Creek	Corinna		Gold	Geochemistry		Soil geochemistry;	Samples of unconsolidated sediments taken from 6 test pits analysed between 0 and 0.8 g/t Au. As it was thought that further work could damage mining heritage values, the tenement was relinquished.

Appendix II

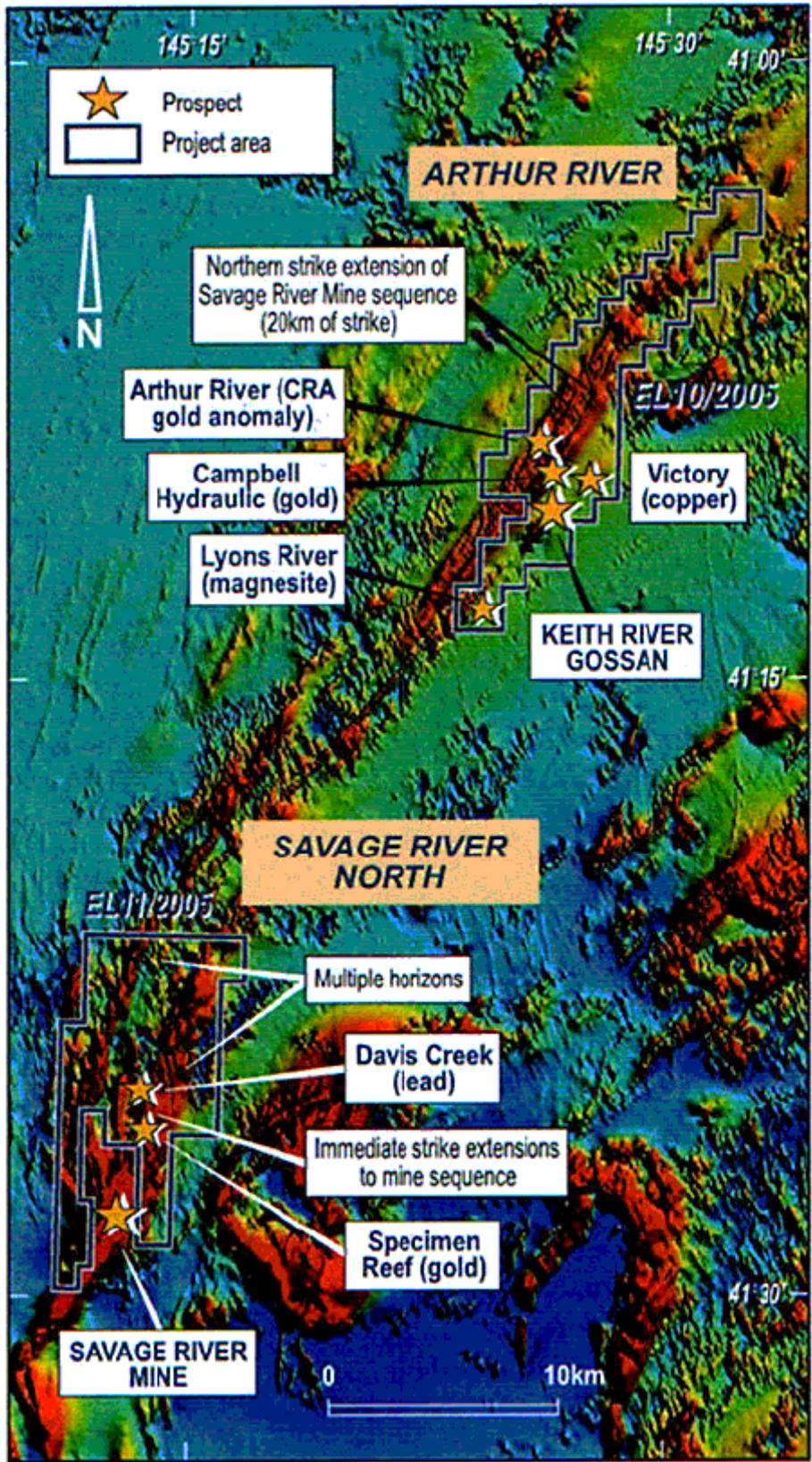
Selected Open File Maps and Data
Relevant to Savage River North

Savage River North Drill Hole Collars and Key Localities

Obs Type	RockType	Description	Source	Total depth	Date	AMGE	AMGN
hole	DDH	SC DDH2	99_4288		1999	352184	5410987
hole	DDH	SC DDH1	99_4288		1999	352237	5410945
rkchip	Pet Sample 988669	Magnetite-plag hornfels	85_2341		1985	352910	5417740
rkchip	massive pyrite	24.7% Fe	85_2341		1985	352860	5417740
rkchip	hornfels	hornfels	85_2341		1985	352830	5417710
rkchip		65.7% Fe	85_2341		1985	352840	5417680
rkchip	marble	hydromusc. Dolomite marble	85_2341		1985	352980	5417730
rkchip	Actinolite hornfels	Actinolite hornfels	85_2341		1985	352830	5417710
hole		SPC 9 Specimen Reef	MRT	36	10-Jan-87	352300	5411200
hole		SPC10 Specimen Reef	MRT	34	Jan-87	352300	5411200
hole		SPC11 Specimen Reef	MRT	39	1987	352300	5411200
hole		SPC12 Specimen Reef	MRT	91	1987	352100	5411000
hole		SPC13 Savage River	MRT	147.5	18-Feb-89	352154	5411027
hole		SPC6 Specimen Reef	MRT	128	1986	352236	5411073
hole		SPC4 (SPR4) Specimen Reef	MRT	94	Feb-82	352146	5411027
hole		HAA-1 Heazlewood	MRT	102.5	01-Feb-84	355920	5414050
hole		SPC12 Savage River	MRT	120.2	1989	352162	5410045
hole		SPC15 Savage River	MRT	134.8	1989	352055	5410860
hole		SPC3 (SPR3) Specimen Reef / Specimen Creek	MRT	70	Feb-82	352184	5410739
hole		SPC5 (SPR5) Specimen Reef / Specimen Creek	MRT	70	07-Oct-82	352300	5411056
hole		SPCK-1 Specimen Creek	MRT	450	1998	352208	5410962
hole		SPCK-2 Specimen Creek	MRT	449	1997	352184	5410987
hole		SPC7 Specimen Reef	MRT	44	1988	352300	5411200
hole		SPC-14 Savage River	MRT	105	21-Feb-89	352190	5411066
hole		SPC2 (SPR2) Specimen Reef	MRT	120	Feb-82	352125	5411116
hole		SPC14 Savage River	MRT	153.7	1989	352190	5411066
hole		SPC 8 Specimen Reef	MRT	42	1987	352300	5411200

Appendix III

Savage River Regional Aeromagnetics



RED ROCK RESOURCES PLC
Savage River North & Arthur River Projects
 Regional Aeromagnetics & Mineralisation