BOOTU CREEK RESOURCES PTY LTD

A.C.N. 097 091 506

ATTACK CREEK

EXPLORATION LICENCE 22786

ANNUAL REPORT

FOR THE PERIOD

24th MARCH 2004 TO 23rd MARCH 2005

Tennant Creek SE53-14 1:250,000 Sheet
Flynn 5759 1:100,000 Sheet

NORTHERN TERRITORY

R Vivian
April 2005

CONTENTS

FIGURES

APPENDICES

1. SUMMARY

This report details exploration activities for manganese mineralisation conducted by Bootu Creek Resources Pty Ltd within the Attack Creek (EL22786) area during the year ending 23rd March 2005.

A reconnaissance survey was conducted to locate and sample any Mn outcrop mineralisation within the tenement. The Mn prospective area was traversed on east-west lines orientated across the strike of prospective geology and spaced at 500m intervals. The contact between the Bootu and Attack Creek Formations and in particular the basal section of the Bootu Formation was considered favourable for manganese mineralisation and formed the traverse area.

Twenty-eight samples of Mn and Fe stained sandstone float and scree were collected: none were submitted for analyses.

No significant manganese outcrops were located within the traverse area. This finding downgrades the potential of the tenement. However, the areas of Mn mineralised float and scree require some further investigating prior to any decision to relinquish the tenement.

Exploration expenditure for the year was $5,713.18.

Completion of reconnaissance work ($3000)and a possible limited RAB drilling programme ($20,000) is planned for Year 3.

2. INTRODUCTION

The report details exploration activities conducted by Bootu Creek Resources Pty Ltd within Exploration Licence area E22786 during the year ending 23rd March 2005.

Exploration Licence E22786, covering 34 graticular blocks or a total of 106.73 square kilometres, was granted for a 6-year term on 24th March 2003. The tenement is located approximately 75km north of Tennant Creek, approximately 8km west of the Stuart Highway (Figure 1).

Access to the tenement is west from the Stuart Highway, then by tracks to the northern boundary of the licence. From here, areas of interest within EL22786 were reached by navigating across country.

3. REGIONAL GEOLOGY

The regional geology is described in the 1:250,000 Tennant Creek SE53-14 Explanatory Notes by Donnellan et al (1999), and 1:100,000 Flynn 5759 Explanatory Notes by Donnellan (1995). The area under tenure is on the northern side of the Tennant Creek sheet, and is underlain by the Proterozoic units of the Tomkinson Creek Subgroup, a succession of sandstone and subordinate siltstone, carbonate and volcanic rocks. The Subgroup is a sequence concentrically folded about WNW and NE-N oriented fold axes (Donnellan 1995). Of exploration interest are the open concentric synclinal folds that host the Attack Creek and Bootu Formations. Figure 1.

4. LOCAL GEOLOGY

A NNW-trending synclinal feature dominates the tenement area, and is formed by rocks of the Bootu, Attack Creek and Short Range Formations. The syncline has moderate dips on both limbs, and shows closure to the north. Elsewhere the tenement is covered by Cainozoic quartz-rich colluvial fan deposits, silcrete and alluvium.

The manganese-prospective Bootu Formation comprises quartz and sublithic arenite and siltstone, and has a transitional contact with the underlying carbonate unit of the Attack Creek Formation.

Manganese mineralisation occurs as partial to complete (massive) replacements of sandstone in the basal section of the Bootu Formation. These rocks form the focus to manganese exploration by Bootu Creek Resources in the tenement area.

5. EXPLORATION ACTIVITIES

Last year a reconnaissance visit was made to EL 22786 to establish access into the area and to inspect the manganese prospective rock units. Rocks of the Bootu Formation and its contact with the Attack Creek Formation were located, and in the vicinity of the ‘unnamed’ manganese occurrence (site 2402, MODAT), several areas of manganese staining were located and traced over 500m in a southerly direction along strike.

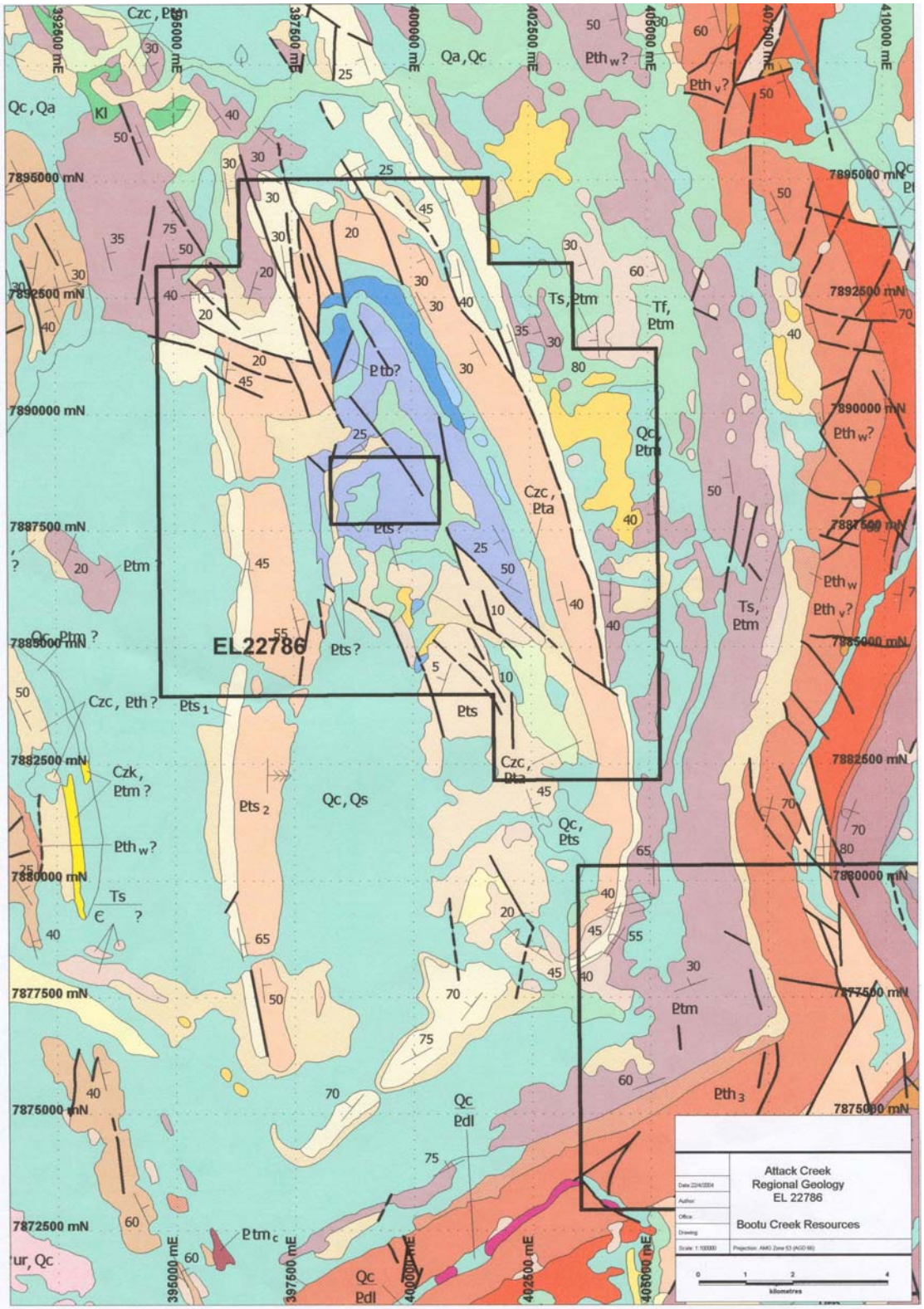

Figure 1 Tenement Location & Regional Geology

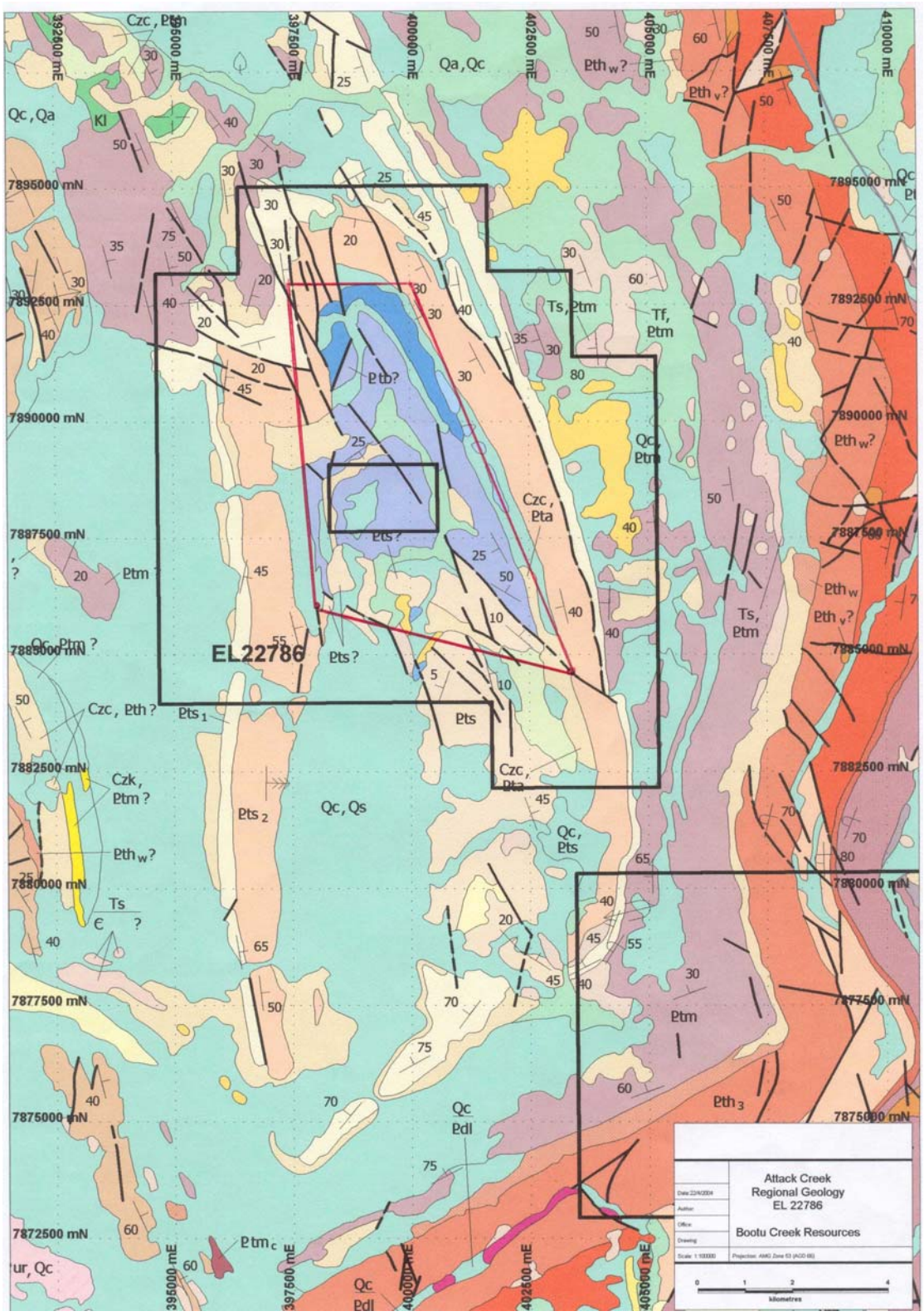

Figure 2 Reconnaissance Traverse Area

This work established that further work was warranted and in November 2004, Arnhem Exploration & Rural Services were contracted to carry out a further reconnaissance survey of EL22786 (Attack Creek). The purpose of this was to locate and sample any Mn outcrop mineralisation within the EL

Access to the Attack Creek area is either via a track from the Attack Creek rest area on the Stuart Highway heading west to the north of the area or via Phillip Creek station on station tracks leading into the southern and central sections. Both tracks are in fair condition. It should be noted that the track in the north passes close to the Attack Creek gorge which is an Aboriginal sacred site. The area has low hills and has a continuous NW-SE ridge at the eastern edge.

East-west lines spaced at 500m intervals were walked over prospective ground within the tenement. The contact between the Bootu and Attack Creek Formations and in particular the basal section of the Bootu Formation is considered favourable for manganese mineralisation. The traversed area is described in Appendix 1.

Twenty-eight samples (nos 2001 to 2028) were collected from Mn and Fe stained sandstone float and scree within the area. Refer to Appendix 2 for rock chip sample descriptions. No samples were submitted for assay. No outcrop areas of either Mn or Fe were located.

6. COMMENTS & CONCLUSIONS

Reconnaissance work conducted within the indicated that no significant manganese outcrops occur within the prospective Bootu/Attack Creek Formation contact zone. This finding downgrades the potential of the tenement. However, the areas of Mn mineralised float and scree require some further investigating prior to any decision to relinquish the tenement.

During the field crew were advised by representatives of the CLC not to continue their work until a Clearance survey had been completed over the tenement area due to possible sacred site issues. This is despite the fact that the only known sacred site lies well outside the traversed area, as referred to earlier in this report. Advice from the AAPA was that the estimated cost for such a survey (and issue of an Authority Certificate) may be as high as $12,000. Due to this consideration further work proposed for the EL was abandoned for the year.

7. YEAR 3 PROGRAMME

It would appear that a Clearance survey may be a pre-requisite for the purposes of conducting substantial follow-up work (ie RAB drilling) in Year 3. This issue will have to be resolved.

With the above qualification, the proposed Year 3 programme will be:

Follow-up Reconnaissance work		$3,000
RAB drilling (400m)		($20,000)
	Total	$3,000 -$23,000

8. EXPENDITURE

Year 2 expenditure was $5,713.18 as detailed in the appended Expenditure Statement.

9. REFERENCES

Donnellan, N., Morrison, R.S., Hussey, K.J., Ferenczi, P.A., and Kruse, P.D., 1999: 1:250,000 Geological Map Series Explanatory Notes Tennant Creek SE53-14. *Government Printer of the Northern Territory, Darwin***.**

Donnellan, N., Hussey, K.J., and Morrison, R.S., 1995: 1:100,000 Geological Map Series Explanatory Notes Flynn 5759 and Tennant Creek 5758. *Government Printer of the Northern Territory, Darwin***.**

Appendix 1 Reconnaissance Traverse Details

Reconnaissance Traverse Details EL 22786

EAST WGS84	NORTH WGS84	LINE
397400	7893000	BDY
400100	7893000	BDY
403500	7884500	BDY
398100	7886000	BDY
398900	7885400	1
403200	7885400	1
398900	7885900	2
403100	7885900	2
398000	7886400	3
402800	7886400	3
398000	7886900	4
402600	7886900	4
398000	7887400	5
402400	7887400	5
398000	7887900	6
402300	7887900	6
397900	7888400	7
402000	7888400	7
397900	7888900	8
401800	7888900	8
397900	7889400	9
401600	7889400	9
397900	7889900	10
401400	7889900	10
397900	7890400	11
401200	7890400	11
397900	7890900	12
400800	7890900	12
398150	7891400	13
400600	7891400	13
398000	7891900	14
400400	7891900	14
397600	7892400	15
400300	7892400	15
397600	7892900	16
400000	7892900	16
397900	7890900	17
397900	7890400	17
400800	7890900	18
401200	7890400	18
400350	7887900	19
400350	7887400	19
402400	7887400	20
402300	7887900	20
398000	7887400	21
398000	7887900	21
399500	7890100	22
399500	7893100	22
400600	7891400	23
400400	7891900	23
398000	7891900	24
398150	7891400	24
399500	7891400	25
400250	7892400	25
397600	7892900	26
397600	7892400	26
403200	7885400	27

403000	7885900	27
402500	7885900	28
402500	7886900	28
402000	7888400	29
401800	7888900	29
401600	7889400	30
401400	7889900	30
398100	7886400	31
398000	7886900	31
397900	7888400	32
397900	7888900	32
397900	7889400	33
397900	7889900	33
399200	7886400	34
399500	7886900	34
399100	7888900	35
399100	7889400	35
400750	7888400	36
400600	7888900	36
400400	7889400	37
400100	7889900	37
400600	7888900	38
400400	7889400	38

Appendix 2 Rock Chip Sample Descriptions

SAMPLE	EAST (WGS84)	NORTH (WGS84)	SCRATCH TEST	NOTES
20001	399565	7892920	Fe	Gentle N slope, scree, EW sandstone subcrop, minor Fe rich nodules attached to subcr
20002	399550	7892425	Mn?	Drainage area, NW-SE subcrop, minor Fe or Mn rich staining over 25m
20003	399740	7893100	Fe	Base of slope, sandstone scree, minor Fe rich NS subcrop
20004	399495	7891045	Fe	Gentle NE slope, NE-SW Fe rich sandstone outcrop over 10m
20005	399550	7890935	Fe	Gentle E slope, sandstone scree, Fe rich float/subcrop over 10m
20006	399650	7890930	Mn	Gentle E slope, dense Mn rich float and sandstone subcrop over 50m, Fe rich subcrop
20007	399980	7890425	Mn	Flat, sandstone scree, minor chert, surface Mn staining
20008	399245	7890425	Mn	E slope, SW-NE small scattered sandstone subcrops, surface Mn staining
20009	398790	7890895	Mn	Gentle N slope, sandstone scree, surface staining, minor subcrop
20010	399400	7891270	Fe	Major NS ridge, Fe rich sandstone outcrop, from 7890900N to 7891300N
20011	400960	7887320	Mn	Low ridge, sandstone scree and subcrop, minor Mn float over 30m
20012	401210	7887260	Mn	SW slope, NE-SW sandstone outcrop, Mn staining over 50m
20013	400440	7887830	Fe	NS ridgetop, sandstone scree and outcrop, dense Fe float over 5m
20014	398420	7887400	Fe	E slope, sandstone scree, dense Fe float over 100m
20015	398255	7887905	Mn	Flat, NS sandstone outcrop, dense Mn float over 50m
20016	399490	7890505	Mn	Sandy flat, sandstone float and subcrop, minor dense Mn float
20017	398935	7891435	Mn	Flat, GB salicified subcrop, minor Mn staining over 50m
20018	399360	7889930	Mn?	Flat, sandstone float/scree, minor mod dense Mn rich float
20019	398960	7889840	Fe	N slope, sandstone scree and outcrop, qtz, Fe rich sandstone and small area of dense
20020	398820	7889865	Mn & Fe	Flat, sandstone scree, NS GB salicified outcrop, minor mod dense Mn float, Fe rich f
20021	397900	7888400	Mn & Fe	Flat, Fe rich gravel and NS sandstone outcrop. Some Mn?
20022	400325	7889750	Mn	NW slope, sandstone, Mn rich float over 40m
20023	403215	7885445	Mn	W slope, NS sandstone subcrop, dense Mn subcrop and float, 100m N - S
20024	402500	7885955	Mn & Fe	W slope, scree/gravel, minor calcrete, NS sandstone subcrop, Mn/Fe float, 100m x 100
20025	402230	7886925	Fe	W slope, sandstone scree, minor dense Fe scree, Fe rich NS subcrop
20026	401575	7886945	Mn	N slope, NS sandstone outcrop, mod dense Mn float in several small areas
20027	400330	7886910	Mn & Fe	Flat, sandstone scree/gravel, small Mn/Fe rich subcrop, mod dense
20028	400960	7885895	Mn?	Creek, dense Mn float, Fe float to north
	398425	7891900		Flat/low ridge, NS sandstone subcrop, Fe staining

398890	7891410	Low ridge, GB salicified subcrop, minor Mn surface staining
399180	7891400	NS ridgetop, NS sandstone outcrop, Fe staining
399475	7891400	Hilltop, sandstone outcrop, Fe staining
399560	7891215	S slope, sandstone outcrop and scree, several small areas of Mn and Fe staining
399500	7891050	NE slope, minor staining of sandstone in small scattered areas
400750	7890950	NS 1m wide Fe rich subcrop. Fe rich float continues 50m to east
399800	7890915	Minor stained sandstone subcrop
399500	7890900	E slope, minor staining of sandstone in small scattered areas
399300	7890900	Start of major NS ridge (see sample 20010), Fe stained sandstone outcrop
399100	7890900	Gentle W slope, surface staining of sandstone gravel and scree
399310	7890400	E slope, sandstone scree, surface staining
398780	7890380	Gentle S slope, Fe rich gravel and sandstone float over 50m
399235	7889885	E slope, sandstone subcrop and scree, small Fe surface stained areas over 100m
401510	7889810	NW slope, sandstone scree and outcrop, minor NW-SE Fe rich outcrop over 10m
398820	7889425	S slope, sandstone scree, minor surface staining
398365	7889415	S slope, sandstone subcrop, small Fe rich areas over 50m
401135	7889410	E slope, sandstone scree, minor Fe rich float over 20m
398725	7889410	N slope, sandstone scree, small areas of surface staining
398530	7889405	N slope, NS sandstone outcrop, minor Mn(?) staining
401105	7889400	Line of Fe rich NW-SE sandstone ridge over 50m
401280	7888765	Line of Fe rich NW-SE sandstone ridge over 100m
397900	7888700	Creek flat, Fe rich gravel and occasional NS Fe rich sandstone outcrop. Continues 30
398150	7888420	Flat, sandstone scree and subcrop, Fe rich float
401500	7888400	Line of Fe rich NW-SE sandstone ridge
401575	7888100	Hilltop, major Fe rich sandstone, extends NW (to other major ridge at sample 20010?)
401050	7887900	N slope, scree, minor Fe rich sandstone subcrop
398230	7887900	Flat, NS Fe rich sandstone float
402140	7887625	E slope, sandstone scree, small areas of surface Fe staining
401515	7887510	NS ridgetop, sandstone subcrop, surface Mn(?) staining
402275	7887455	E slope, GB salicified sandstone outcrop, qtz float, NW-SE Fe rich subcrop over 30m
402400	7887440	Flat, Fe rich sandstone float over 100m to north
398540	7887415	NS ridgetop, NS Fe rich sandstone outcrop
401030	7887405	SW slope, Fe rich NS sandstone subcrop

400430	7887400	Flat, sandstone float, staining in several areas
400000	7887160	Flat, sandstone scree, Fe rich areas
401570	7886990	N slope, sandstone scree, Mn(?) staining runs 40m to SE
401680	7886980	NW end of NW-SE ridge, sandstone outcrop, surface staining over 50m
402150	7886910	NS ridge, Fe stained sandstone subcrop
402610	7886900	Low ridge, minor calcrete and siltstone, Fe rich siltstone and gravel over 30m
400735	7886890	Flat, sandstone float/gravel, Fe rich float and subcrop in several small areas
398385	7886880	Flat, sandstone scree, Fe rich float
400415	7886415	W slope, Fe float over 15m
402600	7886410	Fe float
399240	7886400	E slope, sandstone scree, minor Fe rich float, extends 100m to NE
399200	7886350	E slope, sandstone scree, minor Fe rich float
400670	7885980	Fe float/gravel over 100m
400505	7885940	Fe float/gravel over 20m
401455	7885920	S slope, Fe float
401370	7885905	W slope, Fe float over 20m
402860	7885865	Low ridge, sandstone scree and subcrop, minor calcrete, Fe rich gravel
403160	7885580	Low ridge, sandstone scree, minor calcrete, scattered areas of Fe rich gravel going
401910	7885400	Sandy flat, scattered areas of Fe rich sandstone float

Appendix 3 Expenditure Statement

NORTHERN TERRITORY EXPLORATION EXPENDITURE FOR MINERAL TENEMENT

Section 1. Tenement type, number and operation name: (One licence only per form even if combined reporting has been approved)	
Type	*EL*
Number	*22786*
Operation Name (optional)	*Attack Creek*

Section 1. Period covered by this return:			
Twelve-month period:		**If Final Report:**	
From	*24 March 2004*	From	
To	*23 March 2005*	To	
Covenant for the reporting period:		$**20,000**	

Section 2. Give title of accompanying technical report:	
Title of Technical Report	*Attack Creek EL 22786 Annual Report*
Author	*R Vivian*

Section 3. Locality of operation:	
Geological Province Geographic Location	***Tennant Creek***

Section 4. Work program for the next twelve months:			
Activities proposed (please mark with an "X"):		[x]	Drilling and/or costeaning
[ ]	Literature review	[ ]	Airborne geophysics
[x]	Geological mapping	[ ]	Ground geophysics
[ ]	Rock/soil/stream sediment sampling	[ ]	Other:
Estimated Cost:	$**3,000 – 23,000**		

Section 5. Summary of operations and expenditure:
Please include salaries, wages, consultants fees, field expenses, fuel and transport, administration and overheads under the appropriate headings below. Mark the work done for the appropriate subsections with an "X" or similar, except where indicated. Complete the right-hand columns to indicate the data supplied with the Technical Report.
Do not include the following as expenditure (if relevant, these may be • Insurance • Transfer costs • Land Access Compensation • Company Prospectus • Title Search • Meetings with Land Councils • Rent & Department Fees • Legal costs • Payments to Traditional Owners • Bond • Advertising • Fines

Exploration Work type	**Work Done** (mark with an "X" or provide details)		**Expenditure**	**Data and Format Supplied in the Technical Report**	
				Digital	Hard copy
Office Studies					
Literature search					
Database compilation					
Computer modelling					
Reprocessing of data					
General research	**x**		$923.00		
Report preparation	**x**		$308.00		
Other (specify)					
	Subtotal		$1,231.00		
Airborne Exploration Surveys (state line kms)					
Aeromagnetics		kms			
Radiometrics		kms			
Electromagnetics		kms			
Gravity		kms			
Digital terrain modelling		kms			
Other (specify)		kms			
	Subtotal		$		
Remote Sensing					
Aerial photography					
LANDSAT					
SPOT					
MSS					
Other (specify)					
	Subtotal		$		
Ground Exploration Surveys					
Geological Mapping					

Exploration Work type	Work Done (mark with an "X" or provide details)	Expenditure	Data and Format Supplied in the Technical Report	
			Digital	Hard copy
Regional				
Reconnaissance				
Prospect				
Underground				
Costean				
Ground Geophysics				
Radiometrics				
Magnetics				
Gravity				
Digital terrain modelling				
Electromagnetics				
SP/AP/EP				
IP				
AMT/CSAMT				
Resistivity				
Complex resistivity				
Seismic reflection				
Seismic refraction				
Well logging				
Geophysical interpretation				
Petrophysics				
Other (specify)				
Geochemical Surveying and Geochronology ***(state number of samples)***				
Drill (cuttings, core, etc.)				
Stream sediment				
Soil				
Rock chip	**x**	4482.18		
Laterite				
Water				
Biogeochemistry				
Isotope				
Whole rock				
Mineral analysis				
Laboratory analysis (type)				
Petrology				
Other (specify)				
Ground Exploration		**$4,482.18**		

Subtotal								
Drilling (state number of holes & metres)								
Diamond		holes		metres				
Reverse circulation (RC)		holes		metres				
Rotary air blast (RAB)		holes		metres				
Air-core		holes		metres				
Auger		holes		metres				
Other (specify)		holes		metres				
	Subtotal				$			
Other Operations								
Costeaning/Trenching								
Bulk sampling								
Mill process testing								
Ore reserve estimation								
Underground development (describe)								
Mineral processing								
Other (specify)								
	Subtotal				$			
Access and Rehabilitation								
Track maintenance								
Rehabilitation								
Monitoring								
Other (specify)								
	Subtotal				$			
TOTAL EXPENDITURE					**$5,713.18**			

Section 7. Comments on your exploration activities:

I certify that the information contained herein, is a true statement of the operations carried out and the monies expended on the above mentioned tenement during the period specified as required under the *Northern Territory Mining Act* and the Regulations thereunder.

☐ I have attached the Technical Report

1. Name:	Bob Vivian	2. Name:	
Position:	Exploration Manager	Position:	
Signature:		Signature:	
Date:	11 April 2005	Date:	