ANNUAL REPORT

Mineral Leases

155 – 156 – 157 – 158 – 159 – 160 – 161 - 162

HARTS RANGE REGION, N.T.
NORTHEAST CORNER - ALICE SPRINGS [SF 53-14] 1:250,000

FOR PERIOD

2015 - 2016

LICENCE HOLDER:

INMINERALS PTY LTD
3 Jan 2017

REPORT COMPILED BY:

INMINERALS PTY LTD

TABLE OF CONTENTS

1 SUMMARY

Following many years of exploration and characterization of the target, initially in EL6940 and subsequently and partially in EL9420, the ML's embodied in this report were applied over dry creek beds from close to the host being the Riddoch Amphibolite and flowing generally northwards towards the Plenty River. Exploration was focussed principally on detrital garnet and other industrial minerals in the sands of the creek bed.

Substantial systematic sampling efforts were undertaken throughout and subsequent detailed and bulk sampling, analysis and testing in part all demonstrate that the creek bed sands generally contain economic to moderately high grades of garnet.

The licensed area of the MLs is 586.50ha, with varying lengths and widths. While these ML's are individually small, when combined with Inminerals other ML's of the lower Spriggs, Upper Entire Creeks and the Lizzie Creek, they contribute to a world class garnet resource.

Sample intervals and methodology, appropriate for measured resource estimates, were provided by independent mining engineers and geological consultants and the sampling was performed accordingly.

Mineralogical examination of the garnet in the sands within the MLs indicates that the garnet is almost exclusively dominated by almandine (≈60%)-pyrope (≈30%)-grossular (up to 25%, but generally below 10%) solid solutions, and sourced from garnetiferous amphibolites.

From the limited garnet hardness testing carried out to date, these garnets are exceptionally hard, with Knoop hardnesses ranging from 1600 to 2000; they were the hardest garnets known to be currently commercially available at the time. Furthermore, the individual grains are quite fresh and show little if any sign of weathering; the grain morphologies are quite favourable, and leaching tests carried out on samples yield very low values of leachates.

As previously established, garnet grades close to the host in these ML's is high demonstrating large sharp comparatively clear crystals with few inclusions and meets or exceeds all internationally accepted garnet quality criteria.

Metallurgical testing on the two bulk samples programs, and the samples collected previously, assisted in the optimisation of separation techniques. Results to date serve not only to establish the viability of garnet production but have modified the envisaged processing stream to allow dry extraction of other industrial minerals if present in sufficient concentrations.

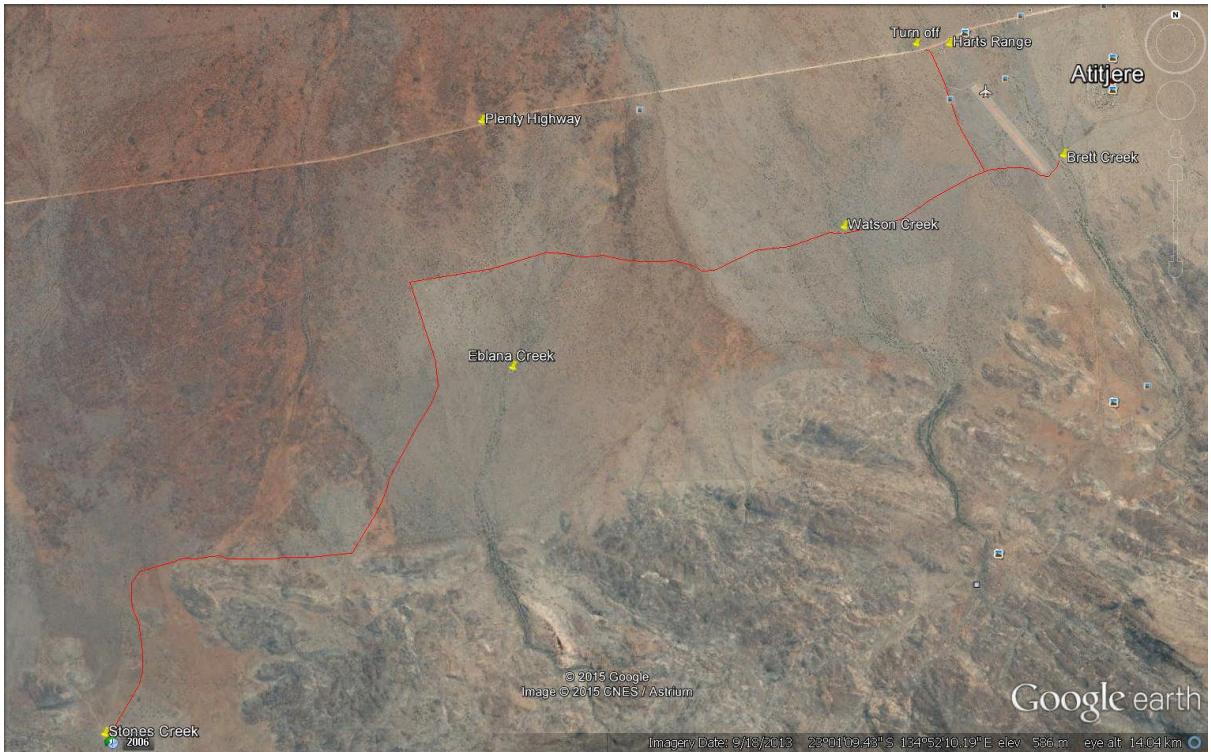
LOCATION AND ACCESS

The ML's are centred on the generally northwards flowing creek beds emanating off the Riddoch Amphibolite towards the generally eastward flowing Plenty River.

MLS 155 is Watson Creek Trib; MLS 156 is Eblana Creek South; MLS 157 is Watson Creek South; MLS 158 is Stones Creek; MLS 159 is Eblana Creek North; MLS 160 is Brett Creek North; MLS 161 is Watson Creek North and MLS 162 is Brett Creek South.

Travel north from Alice Springs via the Stuart Highway then turning right to the Plenty Highway, which runs east from the Stuart Highway, roughly sub parallel to the Plenty River, mainly on its southern side. Numerous station roads and tracks run off the Plenty Highway.

Access to the ML's is via turning off at Harts Range onto the Racecourse Road, near the end of the airstrip turn right onto station roads and travel west across the ML's. (see map)



GEOLOGY

The ELs that preceded MLs in the main lie in the flood plain of the Plenty River, with little in the way of massive outcrops save for the Riddoch Amphibolite; numerous smaller outcrops and rock bars, however, indicate that for the most part, the creek beds lie in the mid-Proterozoic metamorphic rocks of the Harts Range Group. To the west, some of the shallow feeders cut through deeply weathered and essentially undifferentiated Lower Triassic rocks, but these have no real significance in terms of the garnet genesis or resource volume.

Of the Harts Range Group rocks, the most significant are the Irindina Gneiss to the east, and the Riddoch Amphibolite to the south; both are heterogeneous, and may carry from zero to 18 volume% garnet, though the average for the Gneiss is closer to 10%. From a consideration of the regional geology, petrology and topography, it is evident that the sources of most of the garnet in the creek and river sands are the two rock units named previously.

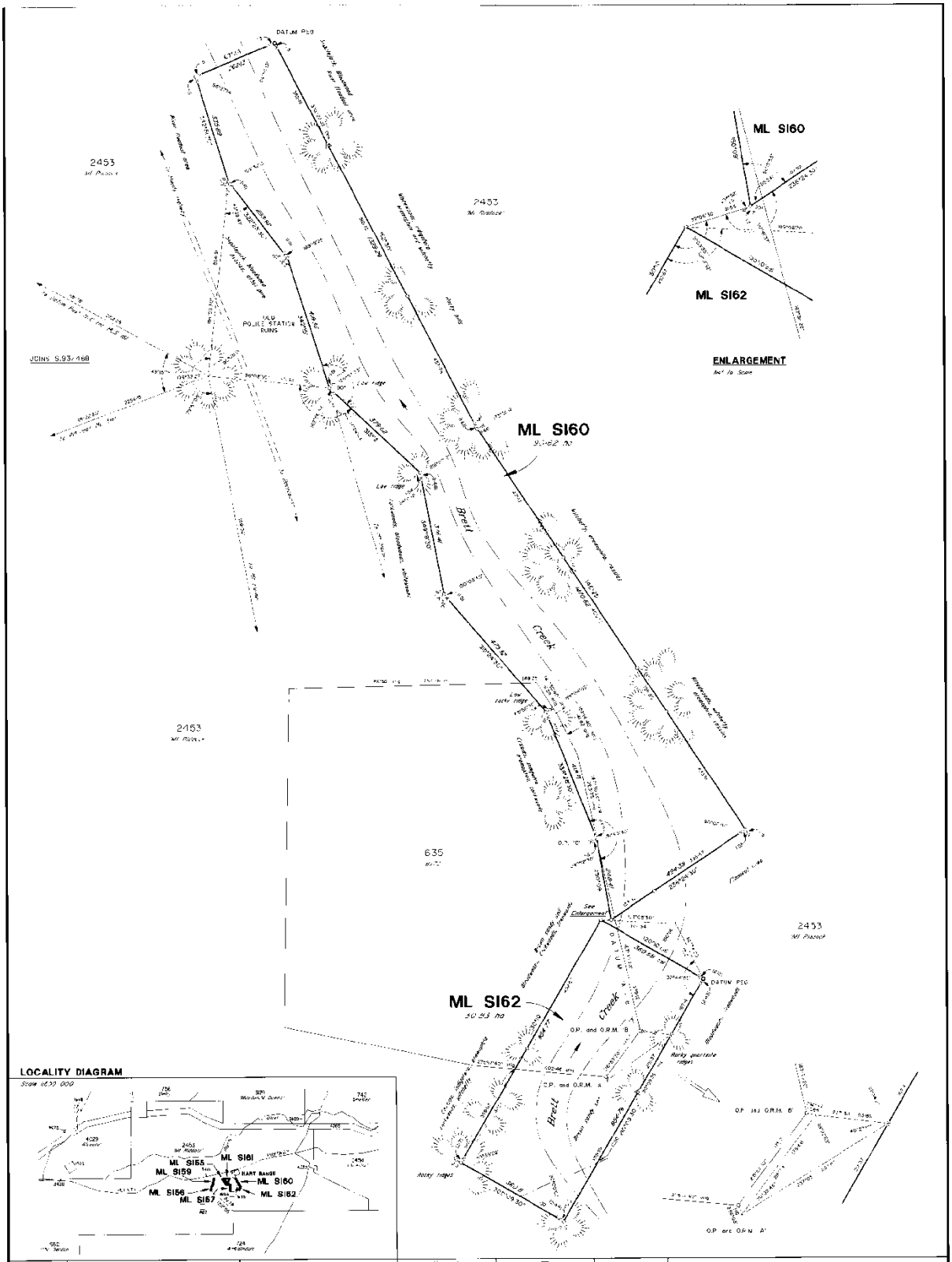
The geological-lithological distribution of rocks adjacent to the then ELs can be seen on the Alice Srings, Alcoota, Illogwa Creek and Huckitta 1:250,000 Geological maps. For a better appreciation of the distribution of petrological types, refer to the Geology of the Strangways Range Region, the Arltunga-Harts Range Special, and the Quartz 1:100,000 geological maps. Written summaries of the regional geology of the areas are presented in the notes to accompany the Geology of the Strangways Range Region, and the Arltunga-Harts Range Special 1:100,000 geological maps. There was no equivalent in print for the Quartz Geological map, however the compilation notes appear as BMR Record 23, 1982, [Shaw *et al.*]. The previous geological summary was compiled directly from the abovementioned references, which are not presented here.

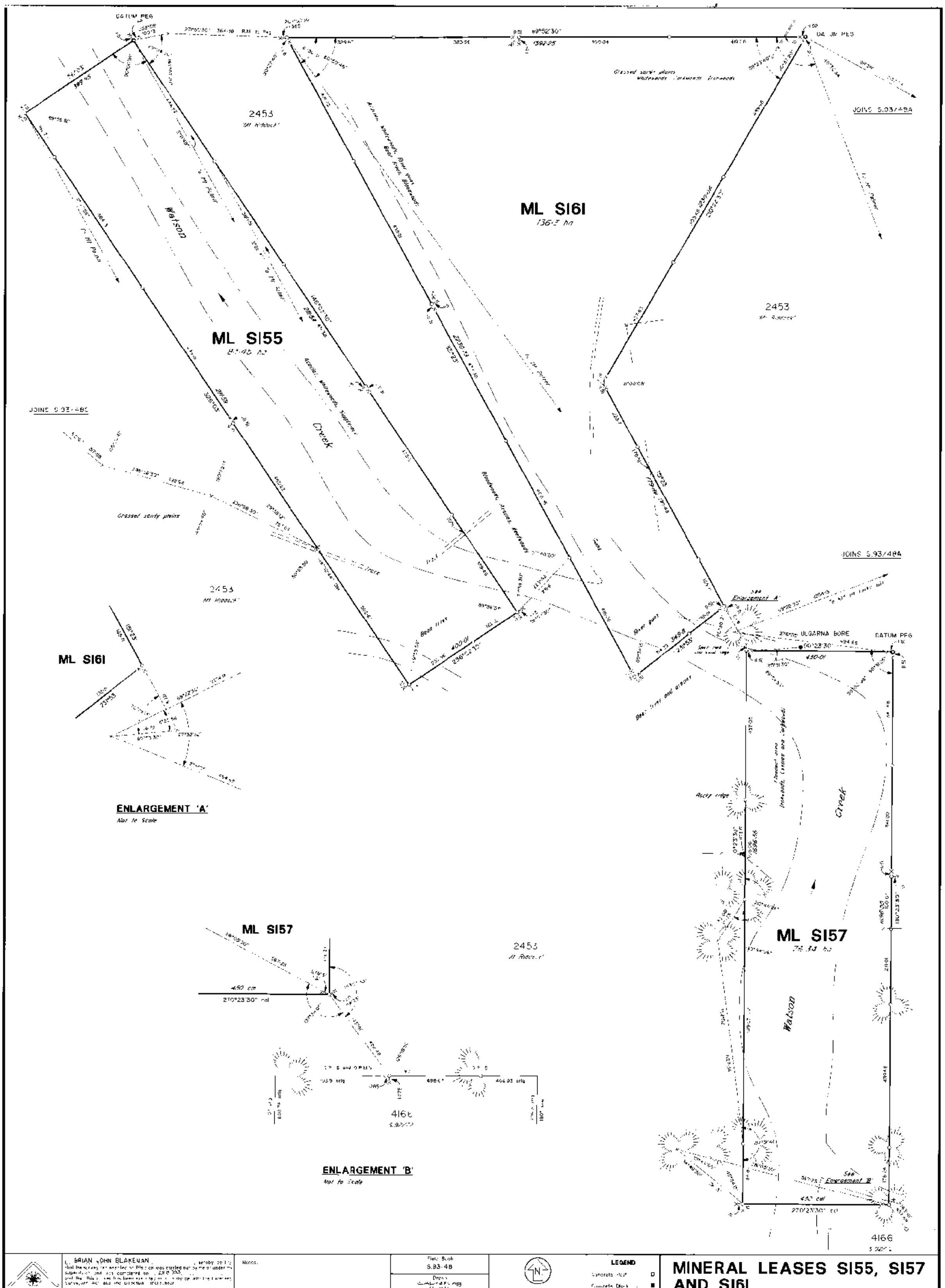
METALLURGICAL AND ENGINEERING

Previously, the garnet recovered from bulk sampling was used for a number of application or "performance" tests, and was also used, in part, in the metallurgical and extraction and processing plant engineering and design study undertaken at Readings Metallurgical Services (Lismore), supervised by metallurgist, Mr Kelvin Fiedler.

The primary part of the study was completed. The proposed plant was considered able, with little or no modification, to separate in many cases, a number of other saleable industrial minerals simultaneously with garnet. These may include one or more of magnetite, rutile, ilmenite, muscovite, biotite, the aluminosilicates, corundum, monazite and zircon.

Samples of sized garnet fractions from the bulk sampling, representing "production samples", was sent to a number of domestic and overseas dealers and end users for their in-house testing and evaluation.


ML SI60
ML SI62
ENLARGEMENT
JOINS S.93/168
ML SI60
9.162 ha
ML SI62
30.53 ha
Brett
Creek
2453
635
2453
2453
DATUM PEG
O.P. and O.R.M. A
O.P. and O.R.M. B
O.P. and O.R.M. A'
O.P. and O.R.M. B'
LOCALITY DIAGRAM
Scale 1:250 000
ML SI61
ML SI55
ML SI59
ML SI60
ML SI56
ML SI62
ML SI57
HART RANGE
BRIAN JOHN BLAKEMAN
SURVEY APPROVED
6.1.1994
S.93/48
SCOTT HARVEY
1500 000 SHEET 20
ALICE SPRINGS
TRUE MID
AZIMUTH
LEGEND
MINERAL LEASES SI60 AND SI62
Mt. Riddock Locality
SCALE 1:5 000
S.93/48A
SHEET 1 OF 3



Department of Lands and Housing, Northern Territory	I, BRIAN JOHN BLAKEMAN, hereby certify that the survey represented on this plan was carried out by me or under my supervision and was completed on 23.8.1993 and that this plan has been prepared in accordance with the Licensed Surveyors Act and the Director's instructions. Brian Blakeman, Licensed Surveyor, 20.10.93 Date. **SURVEY APPROVED** R.A. Maddocks, Delegate of the Surveyor General, 6.1.1994 Date	Notes:	Field Book S.93-48 · Drawn · Examined SCOTT HARVEY · Map Reference 1:500 000 SHEET 20 ALICE SPRINGS	TRUE MID. Bearings · AZIMUTH Assumed from 8173

LEGEND

- Concrete Post
- Concrete Block
- Peg or Wooden Post
- Reference Mark
- Lockspit
- Fence Post

MINERAL LEASES S155, S157 AND S161

Mt. Riddock Locality

SCALE 1:5 000 — metres

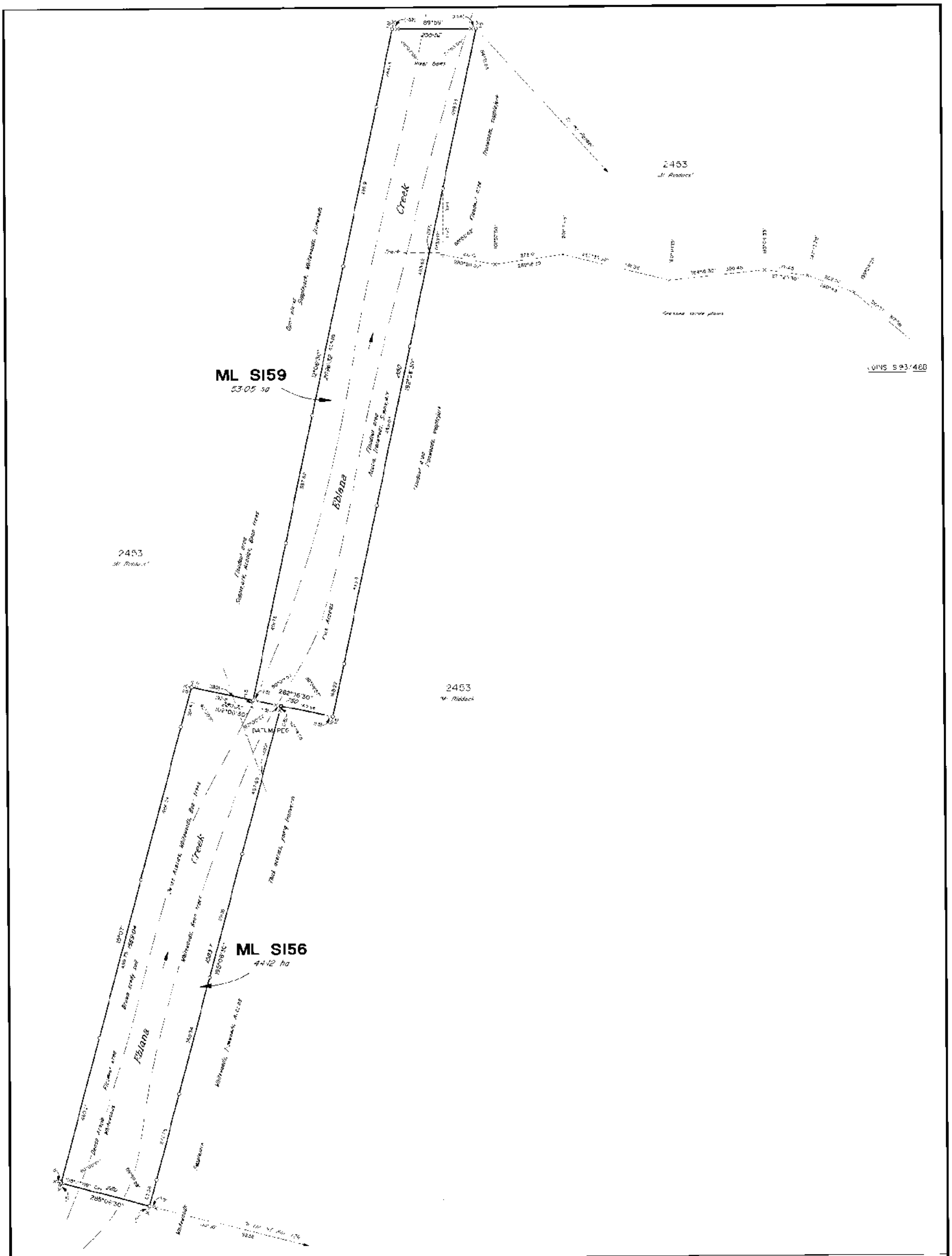
S.93/48B

SHEET 2 OF 3

WARNING - Damaged or creased plan will be rejected.

S93/48C

6



BRIAN JOHN BLAKEMAN

Notes:

Department of Lands and Housing

Northern Territory

21.11.93

Date

SURVEY APPROVED

6.1.1994

Delegate of the Surveyor General · Date

Plan Book S.93/48

Examined SCOTT HARVEY

Map Reference 1:500 000 SHEET 20 ALICE SPRINGS

TRUE MID. Bearings

AZIMUTH

Assumed from 9.173

LEGEND

Concrete Tube

Concrete Block

Peg or Wooden Post

Reference Mark

Jackspit

Fence Post

MINERAL LEASES S156 AND S159

Mt. Riddock Locality

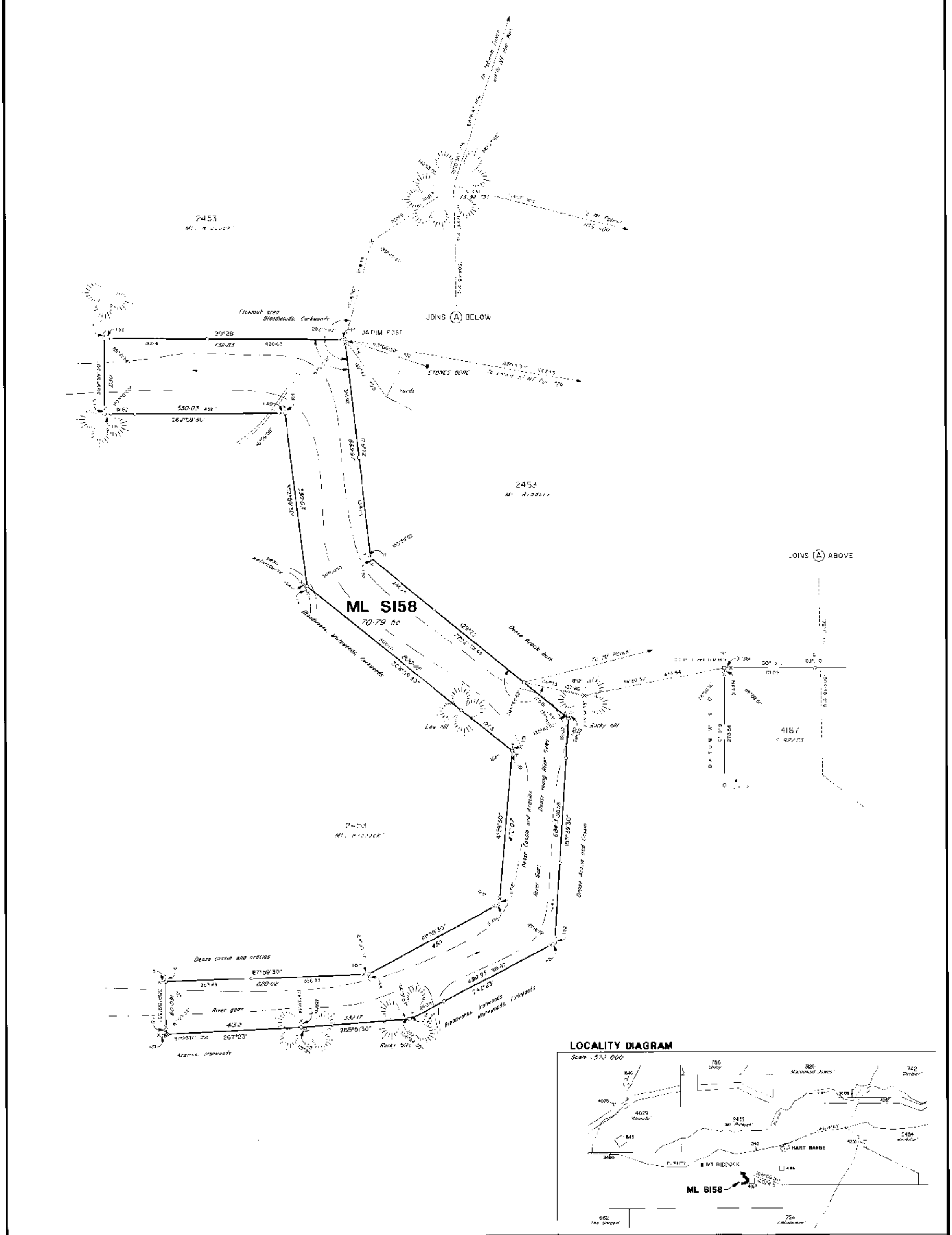
SCALE 1:5 000

metres

S.93/48C

SHEET 3 OF 3

WARNING Damaged or creased plan will be rejected



I, BRIAN JOHN BLAKEMAN, hereby certify that the survey represented on this plan was carried out by me or under my supervision and was completed on 21.9.93, and that this survey has been executed in accordance with the Licensed Surveyors Act and the Directions thereunder. 21.10.93 Licensed Surveyor, Date	Notes:	Field Book S.93/47	TRUE MID Bearings	LEGEND	MINERAL LEASE SI58
SURVEY APPROVED 6.1.1994 Delegate of the Surveyor-General, Date		Drawn CADrafting	AZIMUTH Assumed from S.92/73	Concrete Post; Concrete Block; Peg or Marked Post; Reference Mark; Locksuit; Fence Post	*Mt. Riddock Locality*
Department of Lands and Housing, Northern Territory		Examined SCOTT HARVEY			SCALE 1:5 000
		Map Reference 1:500 000 SHEET 20 ALICE SPRINGS			S.93/47

WARNING Damaged or creased plan will be rejected.

CURRENT

While the previous metallurgical and engineering test work was comprehensive and a valuable data source, Inminerals took the view of re-evaluating the old process and recovery technology seeking new or improved techniques making the project more economic given the large distances from mine site to customer base. As such numerous discussion were held with engineering firms, ore samples were provided for fresh evaluation and test work and this reengineering work commenced. Not being overly satisfied with their performance it was decided to curtail those engineers involvement and seek alternative engineering options which meant starting the process again.

After the prospect of some new technological advancements the most recent engineering flow sheet\plant design returned the same as had already been settled on. Reassured to know the flow sheet\plant design was correct the first time, it's a little disappointing there was nothing new out there.

Even though analyses and controlled testing demonstrates ours to be superior in many ways, the flood of cheap Imports from Asia makes it tough to compete economically. Building a project like this is difficult in good times, with declining business conditions, and business sentiment everything just gets tougher. Add the recent Native Title Claim application over the bulk of Inminerals tenements and perhaps everything just got tougher again.

NATIVE TITLE

One of the main issues of concern to develop has been the lodging of a Native Title Claim application over an area of the Harts Range which covers a lot of the Inminerals tenement portfolio. Since receipt of the notification Inminerals has ceased all current and future programs until clear certain knowledge of the impact of the Native Title Claim and or effects will have on the future and viability of the project as planned.

Suffice to say, the majority of Inminerals internal resources in recent times are being utilized in the corporate arena.

REGULATION 126 Statement

ML's 155 – 156 –157 – 158 – 159 – 160 – 161 – 162 are mineral lease awaiting development therefore any information included in the report originates from historical reports and is listed in the "References" section at the end of the document. If any technical consultants in the exploration phase of the tenement included information from other Open File sources, it is unknown to the document writer, the 'relevant person'. Inminerals Pty Ltd authorises the department to copy and distribute the report and associated data at these tenements expiry.

REFERENCES

EL7914 Chambigne Resources Pty Ltd 1993; 1994; 1995; 1996

EL8004 Chambigne Resources Pty Ltd 1993; 1994; 1995; 1996

EL8076 Chambigne Resources Pty Ltd 1994; 1995; 1996; 1997; 1998

EL8384 Chambigne Resources Pty Ltd 1994; 1995; 1996; 1997; 1998

EL8423 Chambigne Resources Pty Ltd 1994; 1995; 1996; 1997; 1998

EL8829 Chambigne Garnet Pty Ltd 1993; 1994; 1995; 1996; 1997; 1998; 1999

EL6940 Clarence River Finance Group Pty Ltd 1994; 1995; 1996

EL7788 Clarence River Finance Group Pty Ltd 1994; 1995; 1996

EL9240 Clarence River Finance Group Pty Ltd 1996; 1997; 1998; 1999; 2000; 2001 2002; 2003; 2004; 2005; 2006; 2007

EL9595 Chambigne Garnet Pty Ltd; Inminerals Pty Ltd 2003; 2004; 2005

MLS155-162 Clarence River Finance Group Pty Ltd; Chambigne Garnet Pty Ltd; Inminerals Pty Ltd 1995 through 2015 inclusive

MCS245-249 Chambigne Resources Pty Ltd; Inminerals Pty Ltd 2004 through 2014 inclusive

MLS177; 178; 179; 182; 183; 184; 185 Chambigne Garnet Pty Ltd; Inminerals Pty Ltd 2012; 2013; 2014