

Pg A

TENEMENT: SPECIAL MINING LEASE. No. 72

TENEMENT HOLDER: R.D. and A.C. DRAYTON

LETTER:

BAILLIE P.J.

Ist Three Monthly Report. (pg. 1)  
(N o Plans)

DRAYTON A.C.

S.M.L. No 72  
2nd 3 monthly Report.  
Report Preliminary Magnetometer Survey  
Lady Franklin Mine. (pgs. 2-4)

DRAYTON, A.C. 1965

S.M.L. No 72  
3rd Three Monthl report. (pg. 5)  
(No Plans) Dated 19th May 1965

DRAYTON, A.C. 1965

S.M.L. No. 87  
4th Three Monthly Report.  
Dated 27th July 1965 (No Plans) (pg. 6)

DRAYTON, A.C. 1965

3 monthly report - S.M.L. 87. (pg. 7)  
Dated 28th October 1965  
(No Plans)

DRAYTON, A.C. 1965

S.M.L. 72. The 6th 3- monthly report (pg. 8)  
Dated 25th January 1965  
(No Plans)

LETTERS:

DRAYTON, A.C. 1966

S.M.L. 87.

7th 3 monthly report.

Dated 27th April 1966

(No Plans)

(pg. 9)

DRAYTON, A.C. 1966

S.M.L. 86 Non- Acceptance of 29th April 1966

Three monthly report.

Dated 13th May 1966 (No Plans)

(pg. 10)

DRAYTON, A.C. 1966

S.M.L. 87 Final report.

Dated 1966

(pg. 11)

Plan:

Lady Franklin Mine Geochemical Overlay.

(pg. 12)

LETTER:

DRAYTON, A.C. 1966

S.M.L. 72

Enclosed an overlay showing the surface features  
of the Lady Franklin Mine.

(pgs. 13-14)

Plan:

Lady Franklin Mine. Overlay showing surface Features.

(pg. 14)

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64/4  
RDD

309 Oaklands Road,  
MARION.  
SOUTH AUSTRALIA.  
November 5th, 1964

Mr. V.T. Geraghty,  
The Senior Warden,  
South Australian Dept. of Mines,  
Box 38, Rundle Street P.O.  
ADELAIDE.



Dear Sir,

REF. SPECIAL MINING LEASE NO. 72

1st THREE MONTHLY REPORT.

During the period August 1st - October 31st, 1964, business negotiations have been under way for the development of this base.

The site has been visited by a consultant geologist and consultant geophysicist who both gave their opinions on the geological and geophysical environment. A report was not submitted since it was only a preliminary perusal of the area.

After studying the area with these men, the actual programme has been more clearly defined.

- (a) The shaft of the existing gold mine - the Lady Franklin - was sunk on a brecciated quartz reef which occurs at the contact of a micaceous sandstone and talc schist.

The schist forms the foot wall to the quartz reef, whereas the sandstone seems to be the hanging wall.

Because of poor surface outcrop in the vicinity of the mine these observations were based on the material found on the mine dump and some surrounding outcrop.

Broadscale geological traverses can aid in determining whether this quartz reef follows a sedimentary or metamorphic contact to the north of the mine area.

- (b) From the geophysical viewpoint the opinion of the geophysical consultant Mr. Lindsay N. Ingall of Wongela Geophysical Pty. Ltd. is that there could be magnetic anomalies associated with the present mine. He did not think the expense of gravity and electrical methods would be justified when more information could be revealed at a lower cost by costeaning, drilling, or perhaps geochemical work.

It is planned to run a magnetometer traverse within the next three months.

At the moment business negotiations are continuing.

I hope this meets your requirements and approval.

Yours faithfully,

A handwritten signature in dark ink, appearing to read "P.J. Baillie".

for P.J. Baillie,  
A.C. Drayton,  
R.D. Drayton.

NOV 11 1964  
A handwritten signature in dark ink, possibly "J.D. Drayton".

1 Everley Road,  
MARION. S.A.

The Director,  
S.A. Department of Mines,  
Box 38, Rundle Street P.O.,  
ADELAIDE. S.A.

Dear Sir,

REF: SPECIAL MINING LEASE NO. 72.  
2nd 3 Monthly Report.

Please accept the following change of address  
from

309 Oaklands Road,  
MARION.

to

1 Everley Road,  
MARION.

Thank you for your letter DM1259/64 bringing to our attention the serious omission of one report with regard to the above mining lease for the period to 31st January, 1965. Please accept our apologies.

Since the first 3 monthly report, a preliminary magnetic survey was carried out in the vicinity of the Lady Franklin Mine to see if a magnetic anomaly was associated with the lode in this area.

A copy of the results in the form of a series of profiles across the mine are shown with a brief discussion of the results in the accompanying information.

There is no magnetic feature apparently directly related to the mine, in an area shown by S.A. Dept. of Mines aeromagnetic one mile maps, to have few magnetic anomalies.

As yet no definite action has arisen from negotiations, but as was originally stated, it was thought highly improbable that any activities could be undertaken in the first six months or so.

Yours faithfully,



A.C. DRAYTON.

For P.J. BAILLIE, A.C. DRAYTON & R.D. DRAYTON.

*Note aerial map photograph attached.*

REPORTPRELIMINARY  
MAGNETOMETER SURVEY  
LADY FRANKLIN MINE.

On December 15th and 16th, 1964, preliminary magnetic readings were carried out with a Sharpe Magnetometer Model 231 - No. 2083 by Dean Drayton to see if any magnetic anomalies were associated with the Lady Franklin Mine, with a view to carrying out a magnetometer survey of the area if results were encouraging.

For the initial readings - the lines were laid out with a tape measure, at intervals of 600 feet within the area shown on the accompanying location map, aerial photograph 310 No. 0384 of the S.A. Lands Department. Stations were located by pacing along these lines. Along each line the stations were read consecutively, to the end. Then the next line was read returning, walking in the opposite direction, and tying into the previous line.

This approximate method did not reveal any drastic mistakes, but was only intended to be a preliminary investigation.

The magnetic profiles as shown on the accompanying sheet show no definite anomaly associated with the mine, ruling out the possibility of a magnetometer survey being used to trace the lode.

However, although there are no definite anomalies it can be readily seen that overall there is a definite northern line-up of magnetic features. In fact, the nearby Marble Range shows that the outcrop of the various metamorphosed units has a Northerly strike. In fact, I think these events give a rough idea of the presence of contacts between previously different lithologic formations, with the irregular peaks due to inhomogeneous metamorphic iron concentrations within the formation.

Therefore the magnetometer cannot give us a unique variable ie magnetism, which seems directly related to the anomalous conditions of a supposed mineral lode.

However, the magnetometer does seem to give us a relation between this variable of magnetism and the overall geology of the area.

DEAN DRAYTON.

December 15<sup>th</sup> 1964

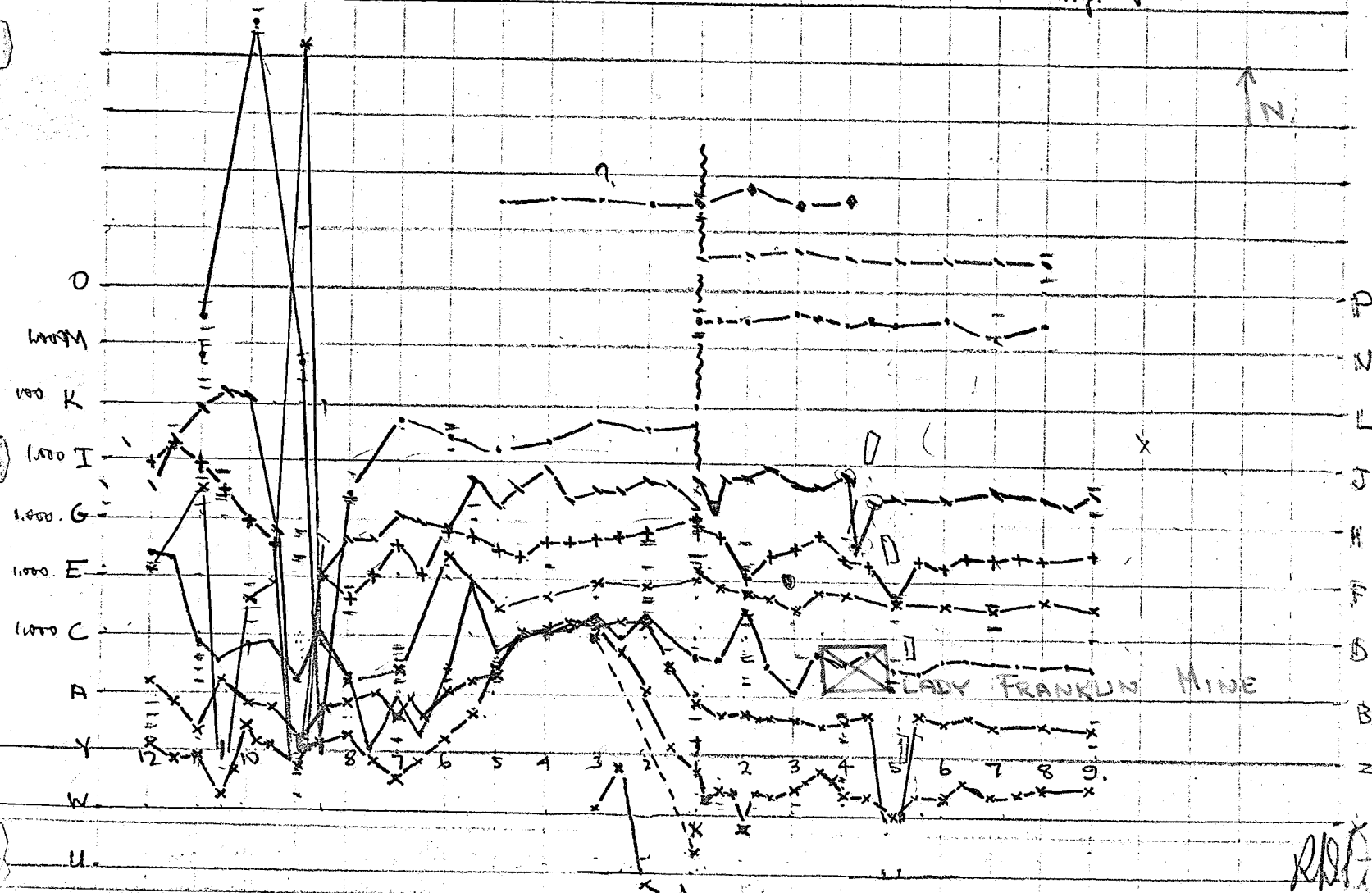
Survey "Lady Franklin"

} 250 f'o.

Operator Dean Drayton

Shawpe Magnetometer  
Model 231 → 2083

← 100ft. ↑ 100ft.



RSE

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1 Everley Road,  
MARION. S.A.

19th May, 1965.

The Director,  
S.A. Department of Mines,  
Box 38A Rundle Street P.O.,  
ADELAIDE. S.A.

Dear Sir,

Ref. SPECIAL MINING LEASE 87-DM 1259/64 VTG:MHR  
3rd THREE MONTHLY REPORT.

In the intervening period since the last report no further work has been done on the lease.

From the results of the preliminary investigation it seems necessary to re-drill the area near the shaft of the Lady Franklin Mine to find out the nature of the lode and obtain core for assay purposes before choosing other drilling targets in the area.

At the moment it seems probable that drilling could start next December or in January, 1965.

Yours faithfully,

*R.D. Drayton*  
(R.D. DRAYTON.)

For P.J. BAILLIE, A.C. DRAYTON & R.D. DRAYTON.



1 Everley Road,  
MARION. S.A.

27th July, 1965.

The Director,  
S.A. Dept. of Mines,  
Box 38A, Rundle Street P.O.,  
ADELA IDE. S.A.

NOTED  
Director of Mines  
28 JUL 1965

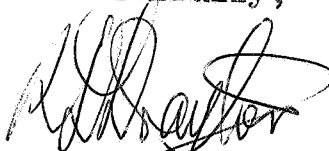
Dear Sir,

REF. SPECIAL MINING LEASE NO. 87.  
4th THREE MONTHLY REPORT.

There have been no further developments with regard to the lease within the last three months.

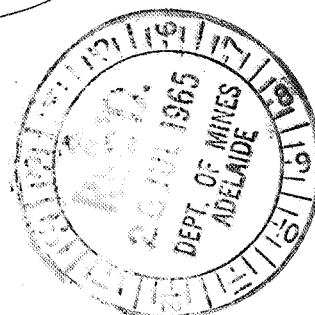
As was stated in the previous report, the programme is dependent on the results of drilling the lode in the vicinity of the Lady Franklin Mine, which at the moment is planned to commence in January, 1966.

Yours faithfully,



(R.D. DRAYTON.)

For P.J. BAILLIE,  
A.C. DRAYTON,  
R.D. DRAYTON.





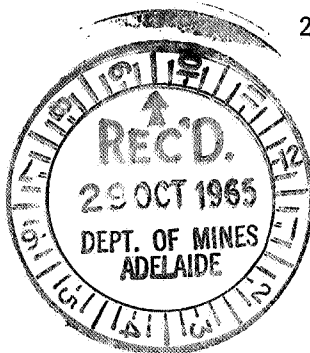
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1 Everly Road,  
Marion.

28th October, 1965.

The Director,  
S.A. Department of Mines,  
Box 38 Rundle St. P.O.,  
Adelaide.



Dear Sir,

Re : 3 monthly report - Special Mining Lease No.87

In the 3 month period August - October 1965, discussion with regard to a drilling programme in January 1966 has been continuing.

Yours faithfully,

A handwritten signature in dark ink, appearing to read 'R.D. Drayton'.

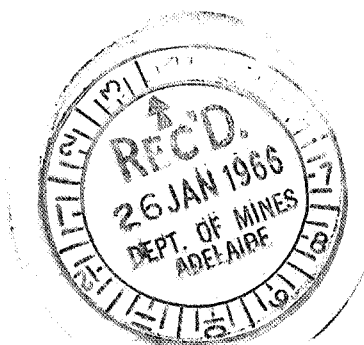
for P.J. Baillie  
A.C. Drayton  
R.D. Drayton

NOTED  
Director of Mines

1 Everley Road,  
MARION.

25th January, 1965.<sup>6</sup>

Mr. T.A. Barnes,  
The Director,  
S.A. Dept. of Mines,  
Box 38, Post Office,  
Rundle Street,  
ADELAIDE. S.A.



Dear Sir,

REF. SPECIAL MINING LEASE NO. 72.

The 6th 3-monthly report.

Drilling will commence on the lease in February. As was stated in a previous report, the area in the vicinity of the Lady Franklin Mine will be drilled. Two holes will be drilled with a diamond drilling unit. The core should give the first real evidence of the nature of the lode, for since the mine was filled in, the only one sample collected has been taken from the small amount of dump material present at the top of the shaft.

NOTED

Yours faithfully,

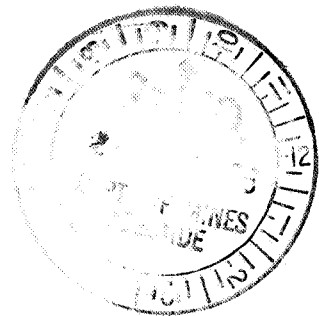
Director of Mines

(A.C. DRAYTON.)

For P.J. BAILLIE.  
A.C. DRAYTON.  
R.D. DRAYTON.

1259/64

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1 Everley Road,  
MARION. S.A.

27th April, 1966.

The Director,  
S.A. Department of Mines,  
Box 38, Rundle Street P.O.,  
ADELAIDE. S.A.

Dear Sir,

Ref. Special Mining Lease 87.  
7th 3 Monthly Report.

A portable drilling unit was available to drill two holes in January and February. The drilling crew arrived on the site in the last week of February, but was unable to drill due to a breakdown of the previous survey.

A geochemical survey was undertaken, sampling on a 50 foot grid covering 400 ft. x 400 ft. in area. The results of this survey are not yet available, but a copy will be forwarded as soon as the report is obtained.

It seems unlikely that it will be possible to carry out 400 ft. of diamond drilling in the last three months of this present lease, as required by the terms and conditions of the lease. We believe, however, that this area needs to be drilled, even if it is not possible for us to do it within the period of this two year lease.

Yours faithfully,

(A.C. DRAYTON.)

FOR. P.J. BAILLIE, A.C. DRAYTON  
& R.D. DRAYTON.

NOTED

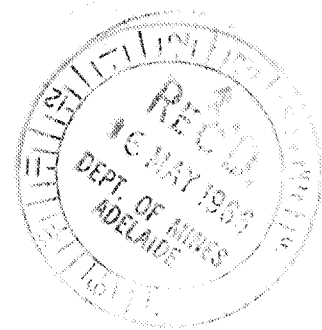
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21 Hilda Terrace,  
HANTHORN. S.A.

13th May, 1966.

The Director,  
S.A. Dept. of Mines,  
Box 38, Rundle St. P.O.,  
ADELAIDE. S.A.



Dear Sir,

Ref: SPECIAL MINING LEASE NO. 87  
NON-ACCEPTANCE OF 29th APRIL, 1966.  
THREE MONTHLY REPORT.

As was stated in your letter, <sup>29th April</sup> the statement in our former report that it probably will be unlikely that any drilling will be carried out before the lease expires in July, 1966, meant that you needed further explanations before accepting the report.


This is subject to the results of the geochemical survey. If good results are obtained it is not impossible that drilling could be attempted before the end of the lease. It must be pointed out that the drilling would have been started in February, but for the breakdown of the drilling unit. As you would appreciate it is not easy to arrange a drilling programme such as this in three months after the initial programme has fallen through in a relatively remote area in which little mining activity is carried out.

In the remaining three months, we will attempt to meet this last lease condition if it is at all possible within the limits of our operations.

NOTED

Yours faithfully,

  
(R.D. DRAYTON.)

  
Director of Mines

For A.C. DRAYTON, R.D. DRAYTON &  
P.J. BAILLIE.

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1259/64

The Director,  
S.A. Dept. of Mines,  
Box 38, Rundle Street P.O.,  
ADELAIDE. S.A.



1 Everley Road,  
MARION. S.A.

NOTED

Director of Mines

Dear Sir,

Ref: SPECIAL MINING LEASE NO. 87.  
FINAL REPORT.

In the last three months the results of the geochemical survey carried out in February have been plotted. The map enclosed has only just been received. An overlay showing the position of the various shafts and other surface features will be forwarded in the next few days. The only significant anomaly is the one at the intersection of IN - IE. This coincides with the positions of the old mine. It seems very probable that the anomaly is the result of dump leaching.

From these indications it does not seem worthwhile continuing exploration in the vicinity of this mine. To be sure two or three diamond drill holes would give a more realistic assessment, but it has not been possible to arrange a further programme of drilling after the breakdown of the drilling unit, cancelling the previous programme in February of this year.

We do not wish to apply for a further special mining lease in this area after the duration of this lease has expired. We are disappointed in not having been able to fulfill condition No. 4 of the lease.

"The applicants to undertake a minimum of 400 feet of diamond drilling in the second year." but feel that the geological and geophysical work done has contributed further information to the understanding of the area, and shown our willingness to fulfill the terms of this lease.

The only data not forwarded you is the overlay mentioned in this letter.

Please accept our thanks for the Department of Mines willingness to help and cooperation with us on the project now completed.

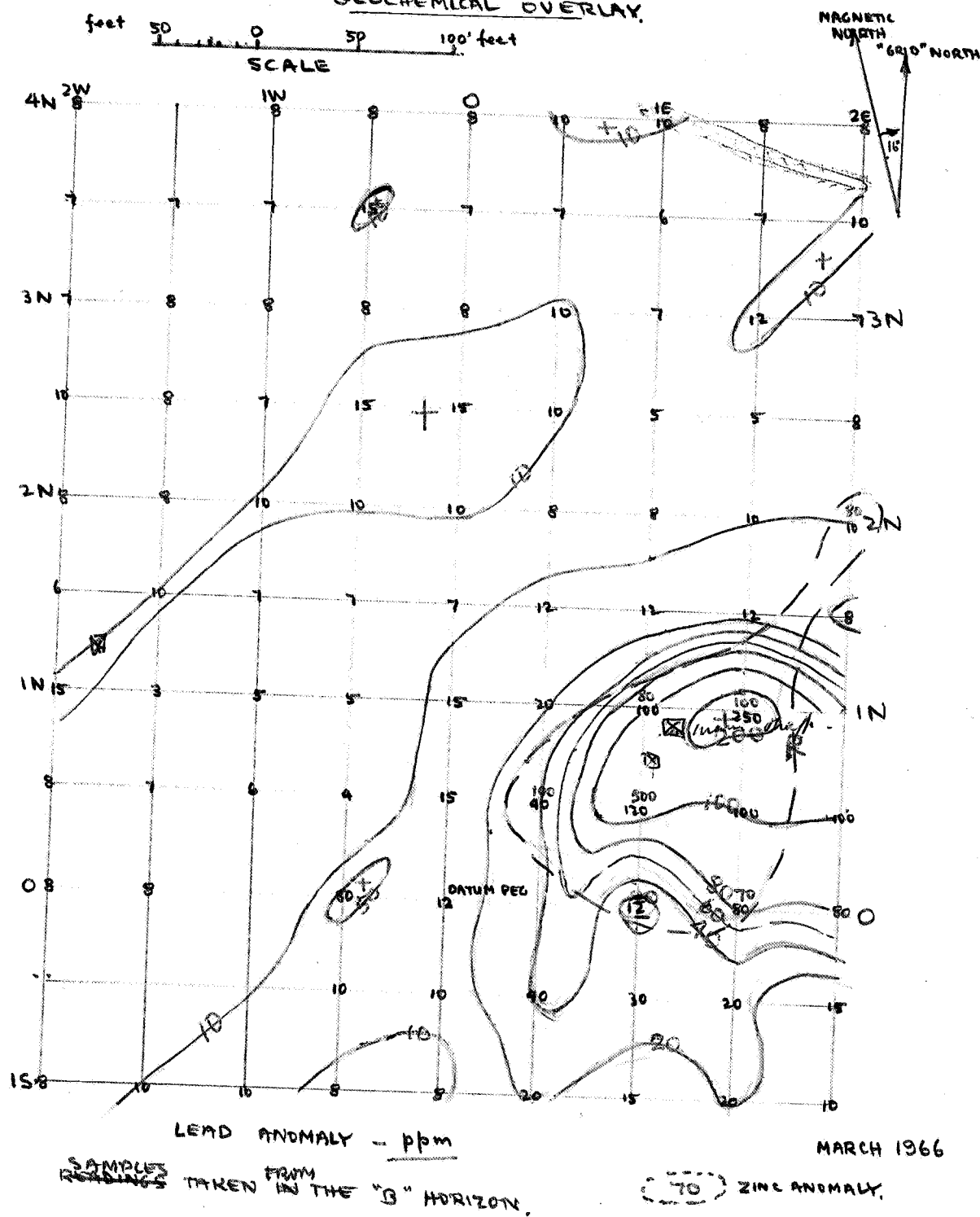
Yours faithfully,

  
A.C. DRAYTON.

For P.J. BAILLIE, A.C. DRAYTON, F.D. DRAYTON.

# LADY FRANKLIN MINE

## GEOCHEMICAL OVERLAY



WORK DONE BY AUSTRALIAN DEVELOPMENT N.L.

1259/64

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1 Everley Road,  
MARION. S.A.

8th August, 1966.

The Director,  
S.A. Dept. of Mines,  
Box 38, Rundle Street P.O.,  
ADELAIDE. S.A.



Dear Sir,

Ref: SPECIAL MINING LEASE NO. 72.  
Your Ref. DM 1259/64.

Please find enclosed an overlay showing the surface features of the Lady Franklin Mine, to be used in conjunction with the geochemical map received 2nd August, 1966, as mentioned in the final two year report submitted earlier this month.

Yours faithfully,

A handwritten signature in cursive script, appearing to read "A.C. Drayton".

A.C. DRAYTON.

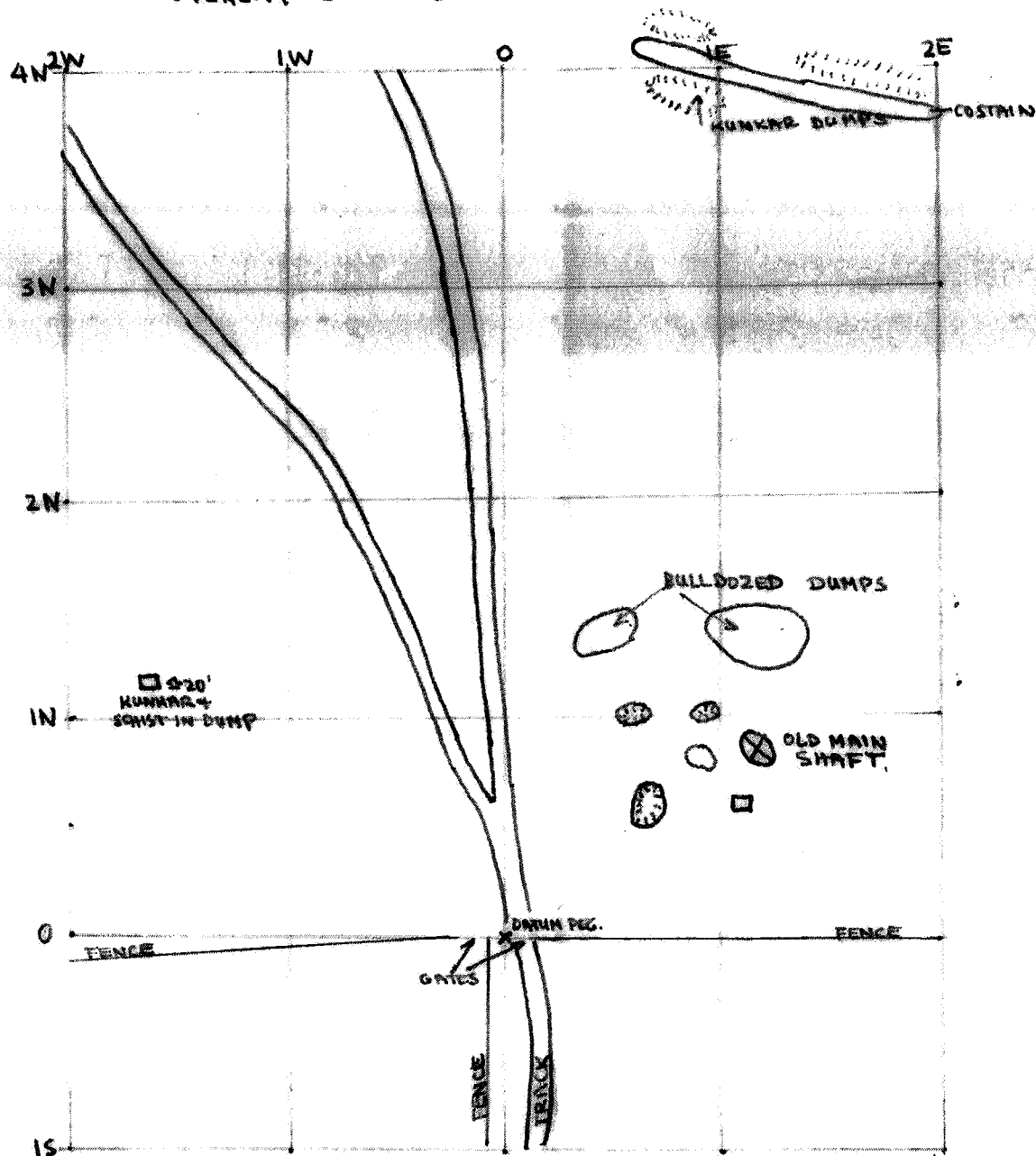
For P.J. BAILLIE, A.C. DRAYTON,  
MR.D. DRAYTON.

NOTED

Director of Mines

"LADY FRANKLIN MINE"

OVERLAY SHOWING SURFACE FEATURES



MARCH 1865.