

ANOMALY SHEETS and ANOMALY DESCRIPTIONS

JIM 1 to 24

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 1 Jim.....
Date:..... 20.11.71..... Flight:..... 493..... Run:..... 3 W.....
Location: Latitude:..... 13° 14' 30"..... Longitude:..... 132° 58' 00".....
State:..... N.T..... ATP or Lease..... EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... alluvium (on Puk, Kombolgie.....
Formation)

Background anomaly 440

Lower Member

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Forms a small argillaceous plateau, with ferruginous nodules which could be either lateritic alluvium or some laterite remains.

The RA is clearly linked to this ferruginous formation.

Conclusion: No interest.

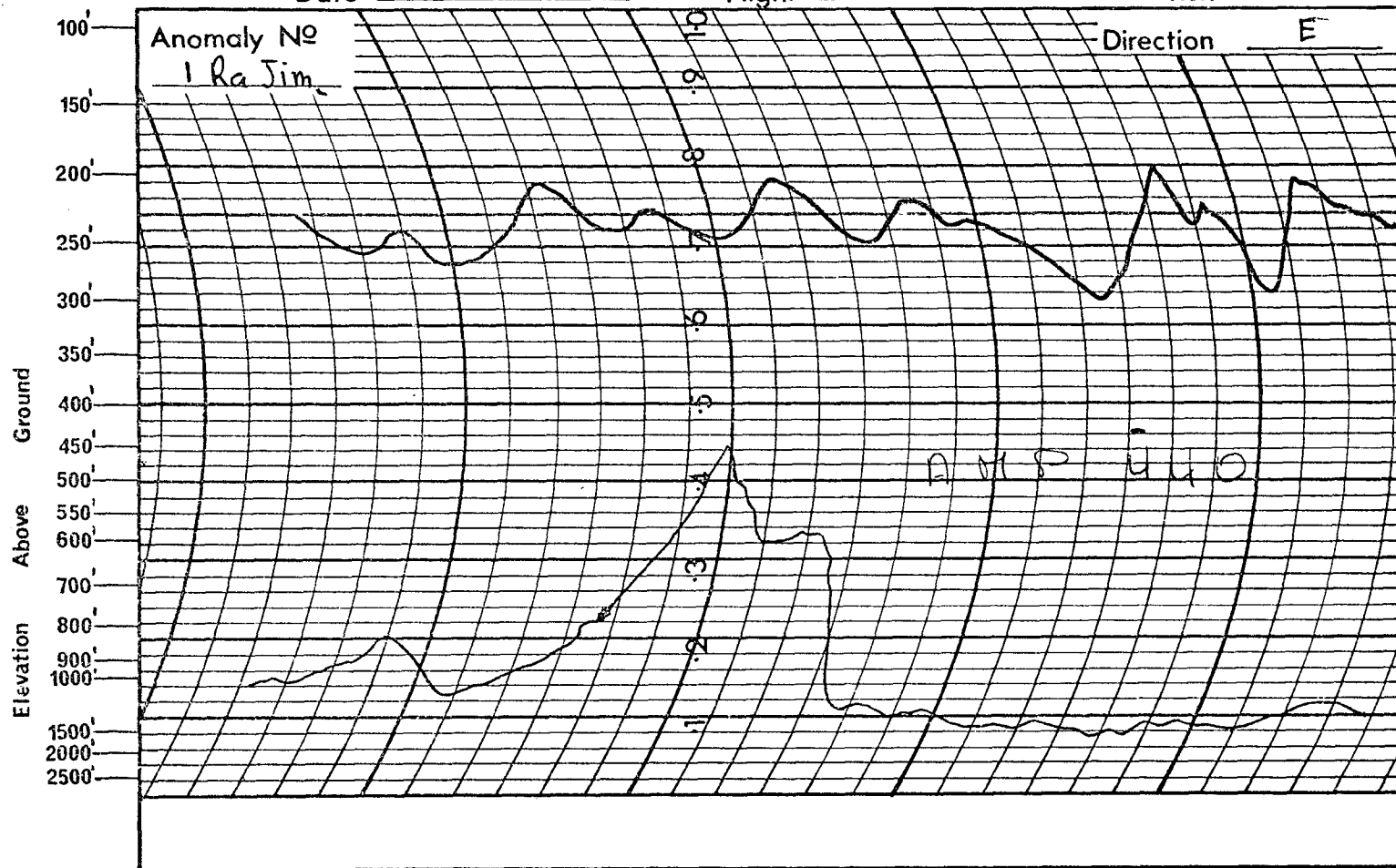


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project Jim Jim

Navigator J. Langley
Observer G. Dunich
Interpreter J. Langley

Date 20-11-1971 Flight 1493 Run 3



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 2 Jim
Date: 20.11.71 Flight: 493 Run: 12 W
Location: Latitude: 13° 13' 12" Longitude: 132° 56' 00"
State: N.T. ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Alluvium on Puk
middle member

L. 220/-120
K. 2,65
Ng 6,65
l. 0,400

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator: G. Danguy Interpreter: G. Danguy
DAP Analysis:

As with anomaly 1 Jim there is a small plateau forming a slight mound with a lateritic, ferruginous formation. The RA is linked to this formation. No contrast at 100'.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM JIM-1

Navigator G. Danquay

Observer G. Daniel

Interpreter G. Danquay

Date 20-11-1971

Flight 493

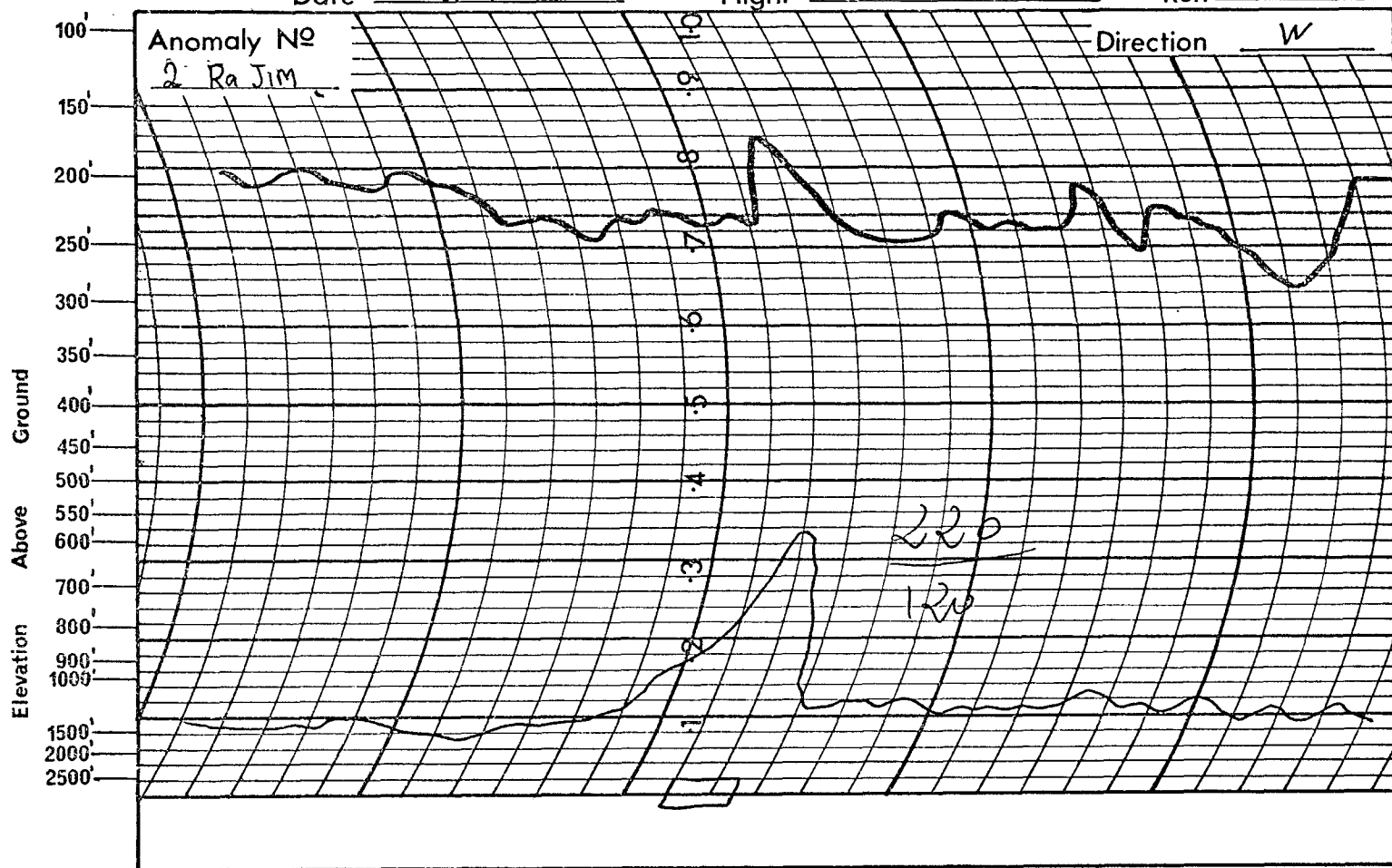
Run 12

Anomaly No

2 Ra Jim

Direction

W



1000 3000

900 2700

800 2400

700 2100

600 1800

500 1500

400 1200

300 900

200 600

100 300

0

0

K: 2.65 Ng: 6.65 l: 0.400

Observations

ANOMALY DESCRIPTION

Identification: Project:.....Jim Jim..... No.:.....3 Jim.....
Date:.....20.11.71..... Flight:.....493..... Run:.....19 E.....
Location: Latitude:.....13°12'00"..... Longitude:.....132°54'44".....
State:.....N.T..... ATP or Lease EL 95..... Ownership:.....PROJECT MINING.....
Prospection: Aircraft:.....Cessna 206..... Type Pattern:.....1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:.....G. DANGUY..... Formation:.....Puk 2 middle member.....

Background anomaly 420

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date:24.11.71 Navigator:.....G. Danguy..... Interpreter:.....G. Danguy.....

DAP Analysis:

It would seem that there is an inlier in the Kombolgie sandstone on a volcanic formation which has given rise to laterite. The RA is linked to the laterite and only shows a small contrast in low altitude survey flight. As well as this there seems to be a process of alluvial concentration, as the presence of humic soil which also forms anomalies, is noted.

Conclusion: No interest

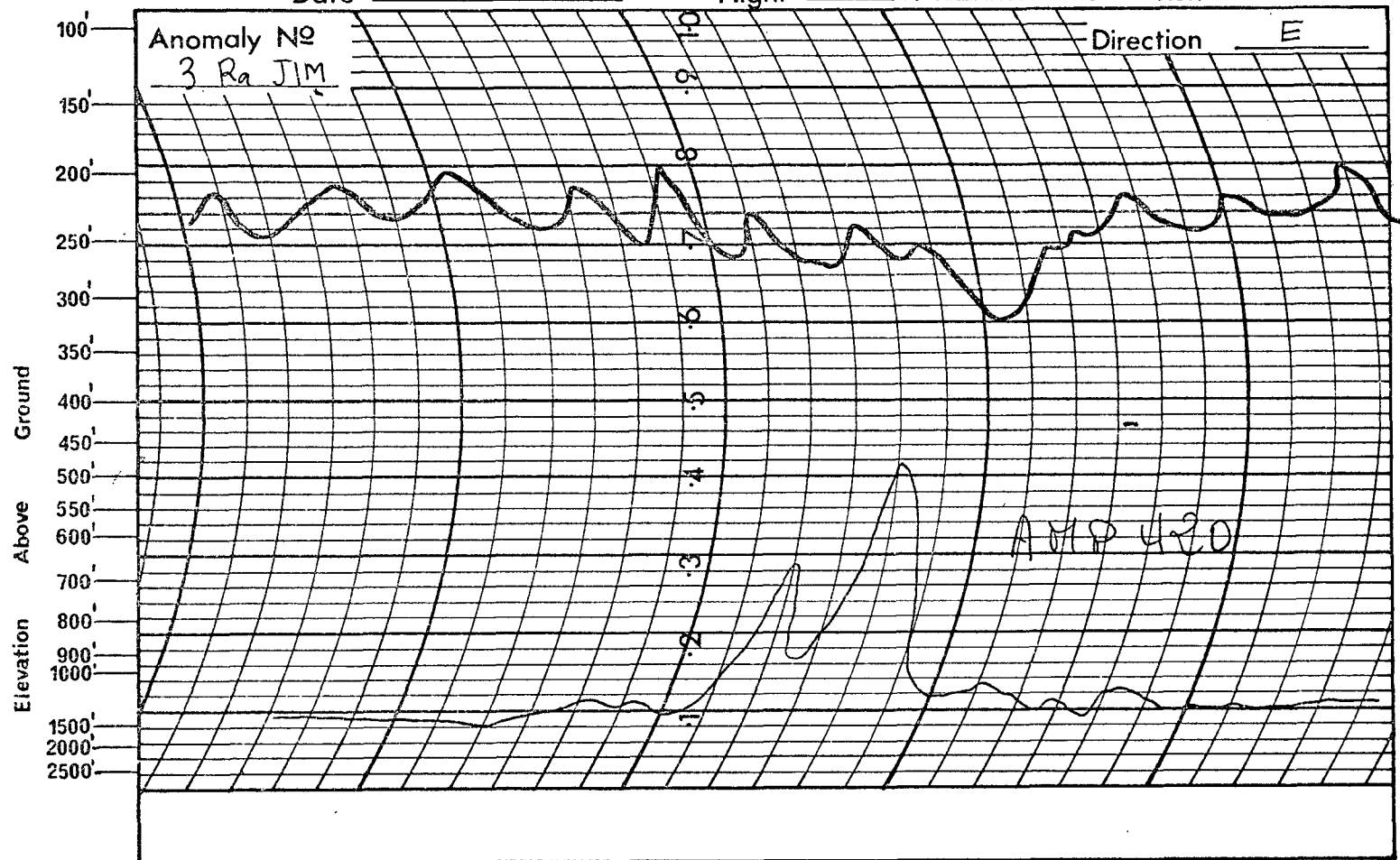


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM - JIM

Navigator G. Dangay
Observer J. Dumil
Interpreter G. Dangay

Date 20-11-1971 Flight 493 Run 19



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 4 Jim.....
Date:..... 20.11.71..... Flight:..... 493..... Run:..... 20 W.....
Location: Latitude:..... 13°11'54"..... Longitude:..... 132°54'36".....
State:..... N.T. ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk 2 middle member.....

Background anomaly 500

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Same as anomaly 3 Jim.

It would seem that there is an inlier in the Kombolgie sandstone on a volcanic formation which has given rise to laterite. The RA is linked to the laterite and only shows a small contrast in low altitude survey flight. As well as this there seems to be a process of alluvial concentration, as the presence of humic soil which also forms anomalies, is noted.

Conclusion: No interest

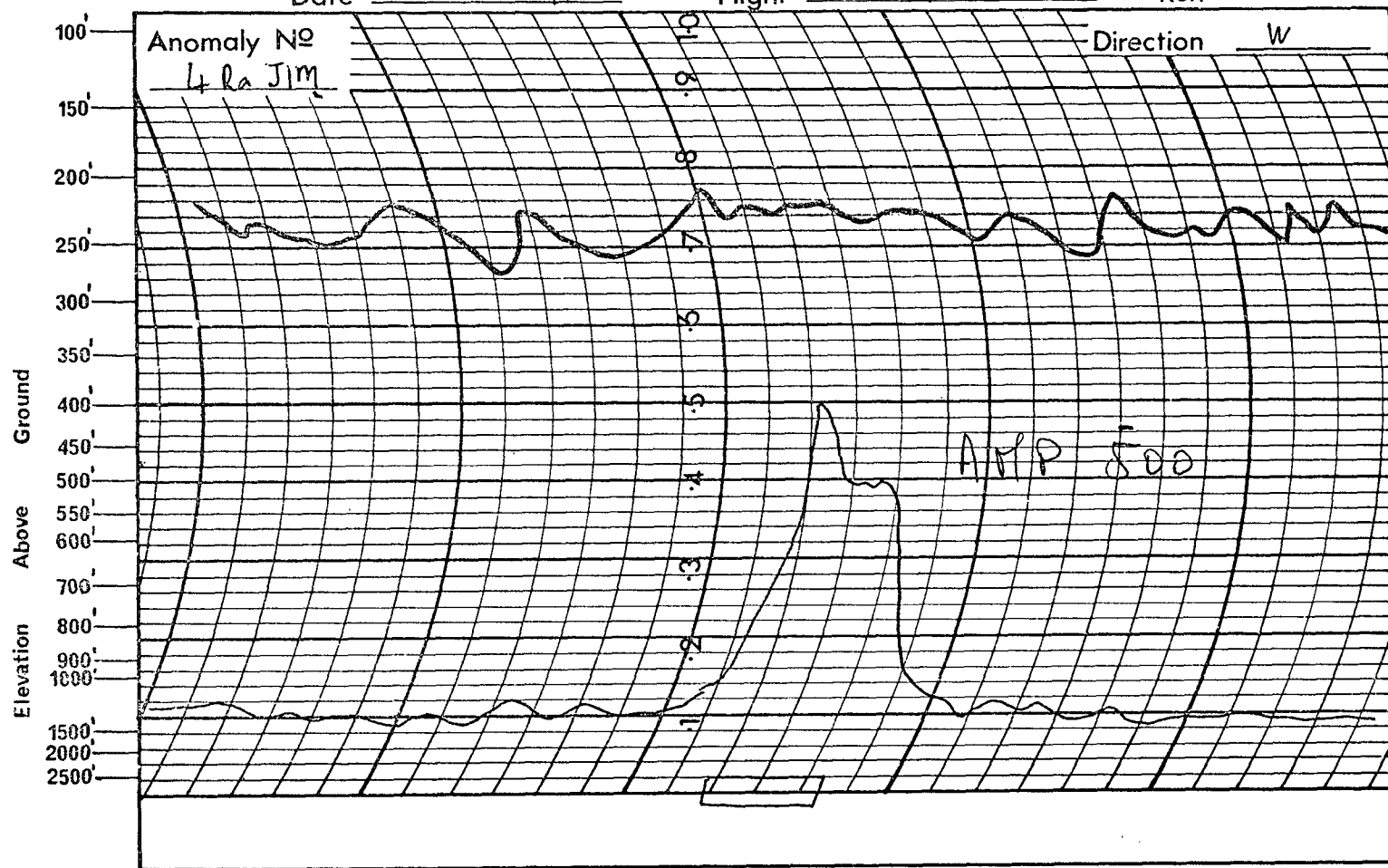


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM JIM

Date 20-11-1971 Flight 493 Run 20

Navigator J. D. Dunsell
Observer J. D. Dunsell
Interpreter J. D. Dunsell



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ L: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 5 Jim
Date: 20.11.71 Flight: 493 Run: 22 W
Location: Latitude: 13°11'42" Longitude: 132°54'30"
State: N.T. ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: GDANGUY Formation: Puk 2 middle member

Background anomaly 480

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Same as anomaly 3 Jim.

It would seem that there is an inlier in the Kombolgue sandstone on a volcanic formation which has given rise to laterite. The RA is linked to the laterite and only shows a small contrast in low altitude survey flight. As well as this there seems to be a process of alluvial concentration, as the presence of humic soil which also forms anomalies, is noted.

Conclusion: No interest.



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

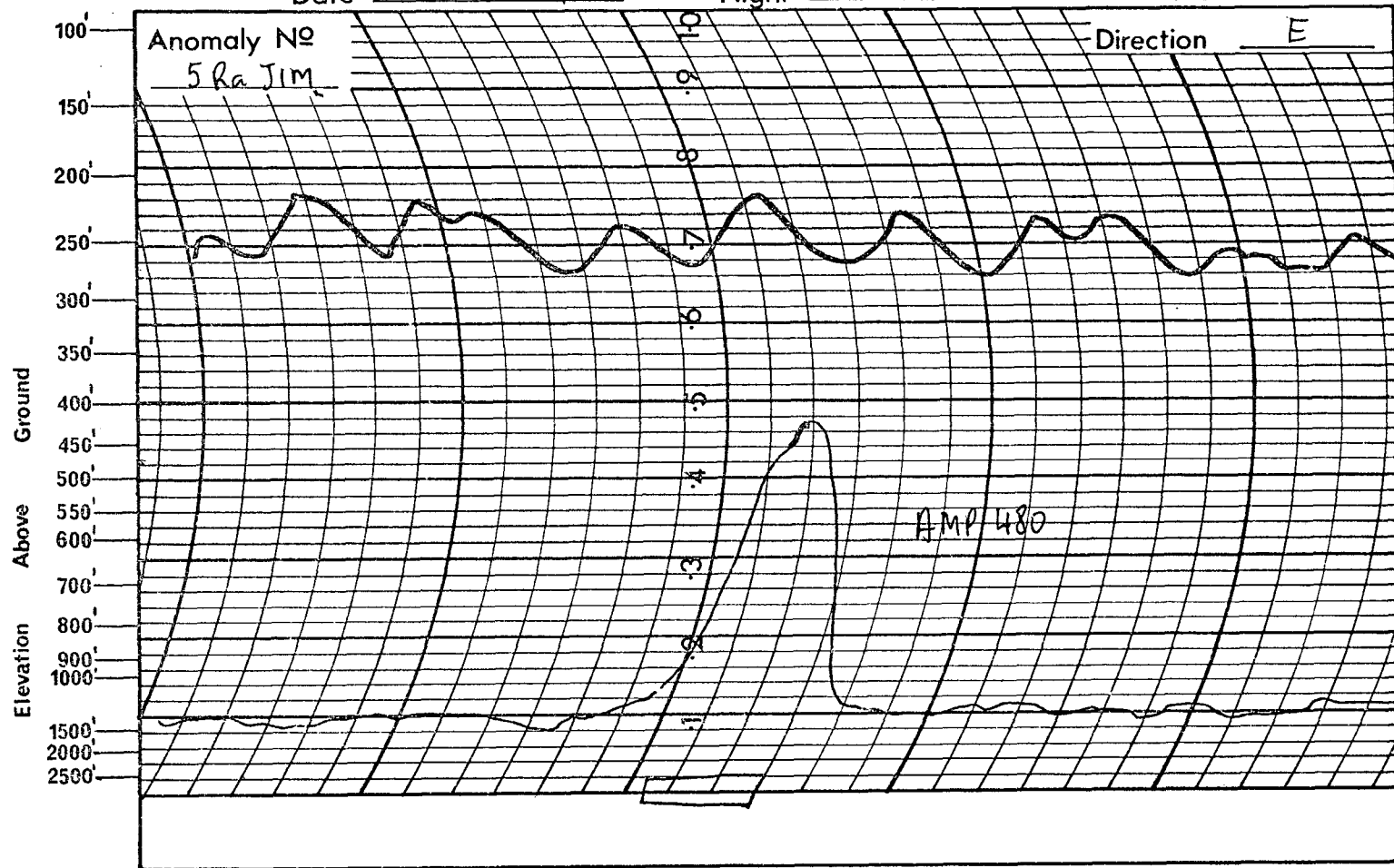
Project Jim - Jim

Date 20-11-1971

Flight 493

Run 21

Navigator G. Danqu
Observer G. Danick
Interpreter G. Danqu



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project:.....Jim Jim..... No.:.....6 Jim.....
Date:.....20.11.71..... Flight:.....493..... Run:.....21 E.....
Location: Latitude:.....13°11'24"..... Longitude:.....132°54'24".....
State:.....N.T..... ATP or Lease EL 95..... Ownership:.....PROJECT MINING.....
Prospection: Aircraft:.....Cessna 206..... Type Pattern:.....1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:.....G. DANGUY..... Formation:.....Puk 2 middle member.....

Background anomaly 440

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator:.....G. Danguy..... Interpreter:.....G. Danguy.....

DAP Analysis:

Same as anomaly 3 Jim.

It would seem that there is an inlier in the Kombolgie sandstone on a volcanic formation which has risen to laterite. The RA is linked to the laterite and only shows a small contrast in low altitude survey flight. As well as this there seems to be a process of alluvial concentration, as the presence of humic soil which also forms anomalies, is noted.

Conclusion: No interest.

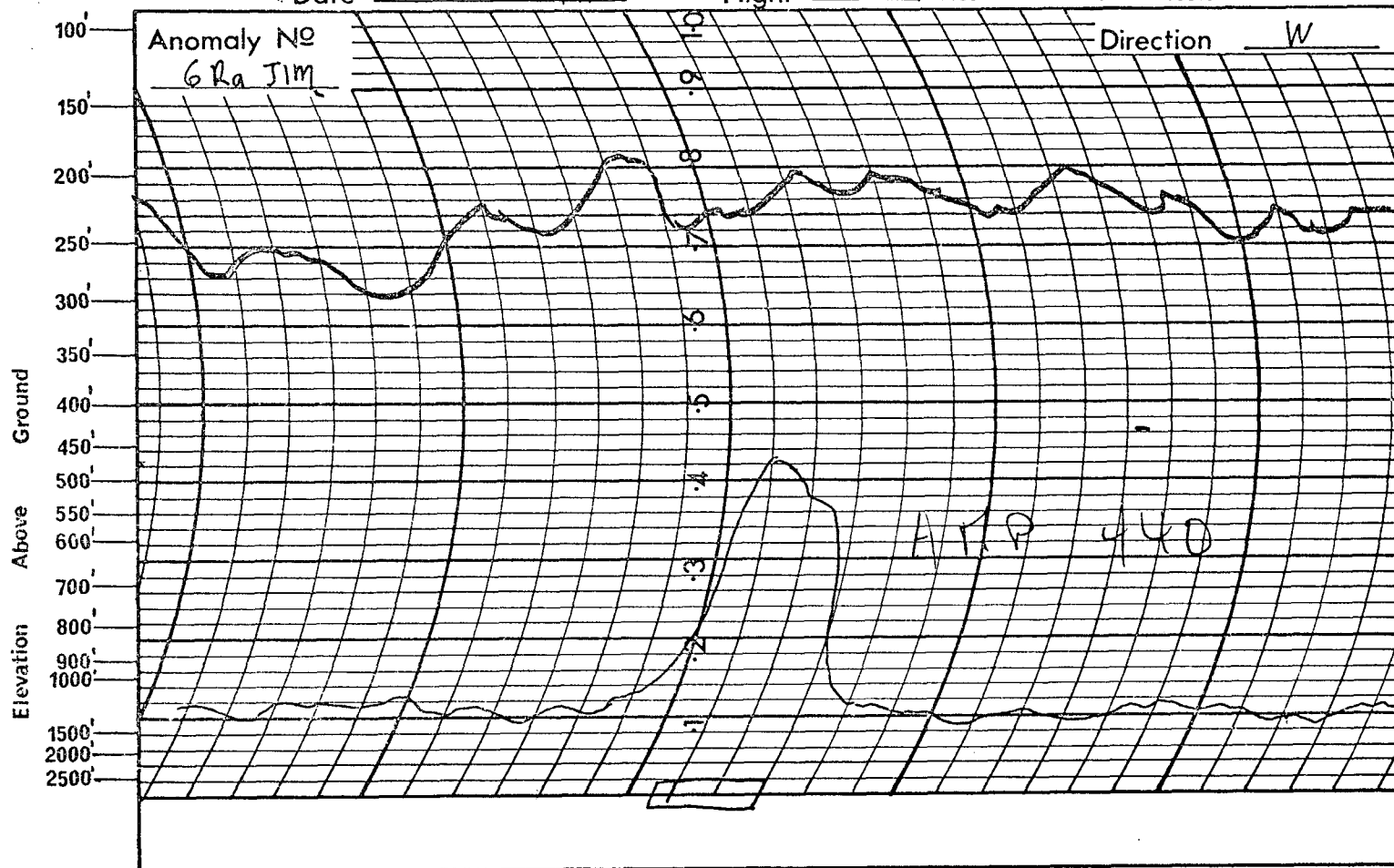


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM JIM

Navigator S. Langley
Observer G. Dunne
Interpreter G. Langley

Date 20-11-1971 Flight 493 Run 22



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 7 Jim
Date: 20.11.71 Flight: 493 Run: 23 E
Location: Latitude: 13°11'18" Longitude: 132°54'18"
State: N. T. ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Puk'2 middle member

Background anomaly 360

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Same as anomaly 3 Jim

It would seem that there is an inlier in the Kombolgie sandstone on a volcanic formation which has given rise to laterite. The RA is linked to the laterite and only shows a small contrast in low altitude survey flight. As well as this there seems to be a process of alluvial concentration, as the presence of humic soil which also forms anomalies, is noted.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

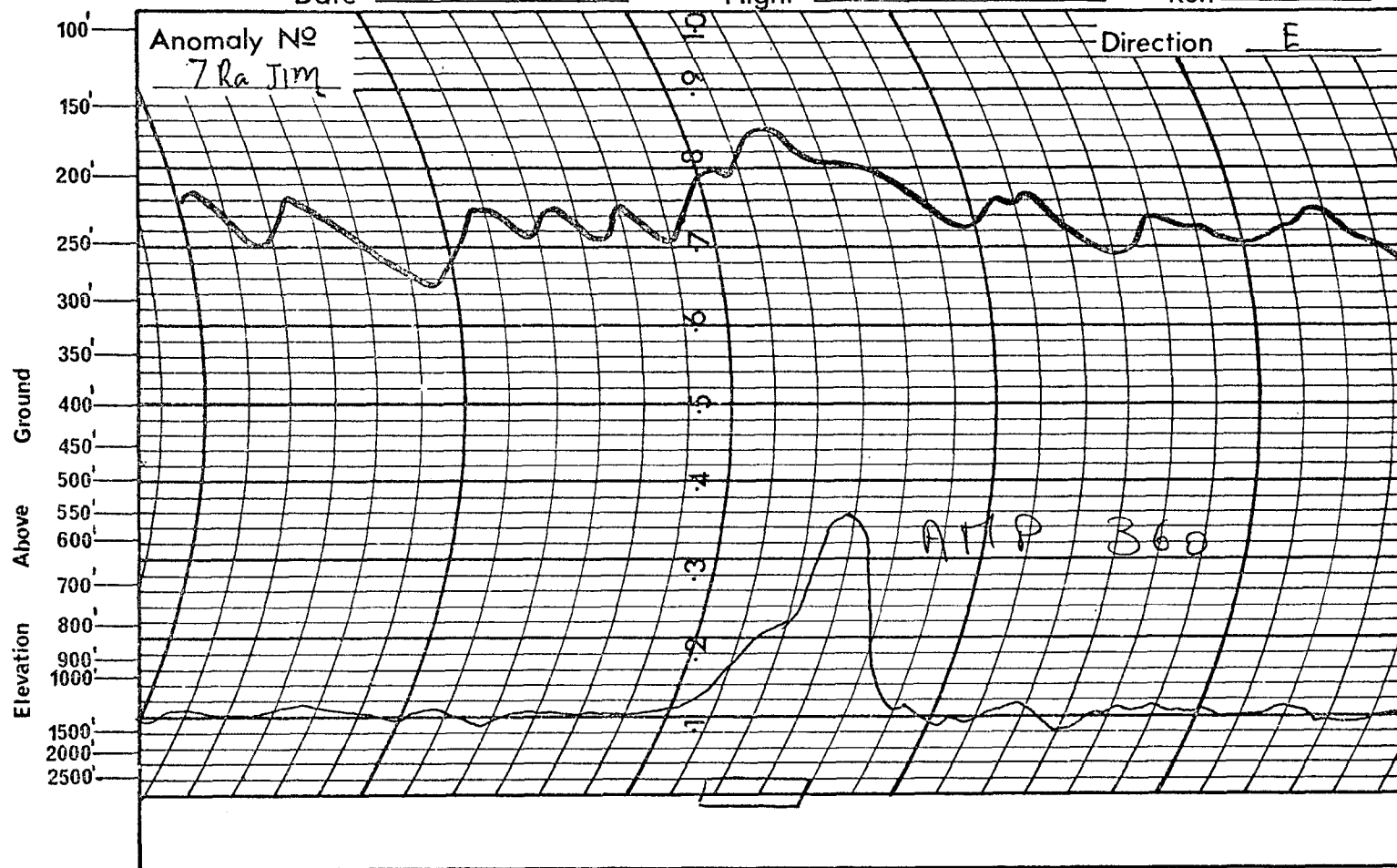
Project Jim Jim

Date 20-11-1971

Flight 493

Run 23

Navigator J. Dargatzis
Observer G. Dargatzis
Interpreter J. Dargatzis



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 8 Jim.....
Date:..... 20.11.71..... Flight:..... 493..... Run:..... 24 W.....
Location: Latitude: 13° 11' 06"..... Longitude:..... 132° 54' 12".....
State:..... N.T..... ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk 2 middle member.....

P 160/120
K. 3,00
Ng. 15,00
l. 0,200

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 24.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Anomlay situated on a small alluvium flat with laterite but non RA.
The anomaly itself is on a fault extension. Contrast above
average for BG, and therefore perhpas interesting. However, there
may well be a narrowing of the flat, causing a retension zone on the
slope above the anomalies 3 to 7 Jim, which coud cause the anomaly
to lose all interest.

Conclusion: To be checked at ground-level

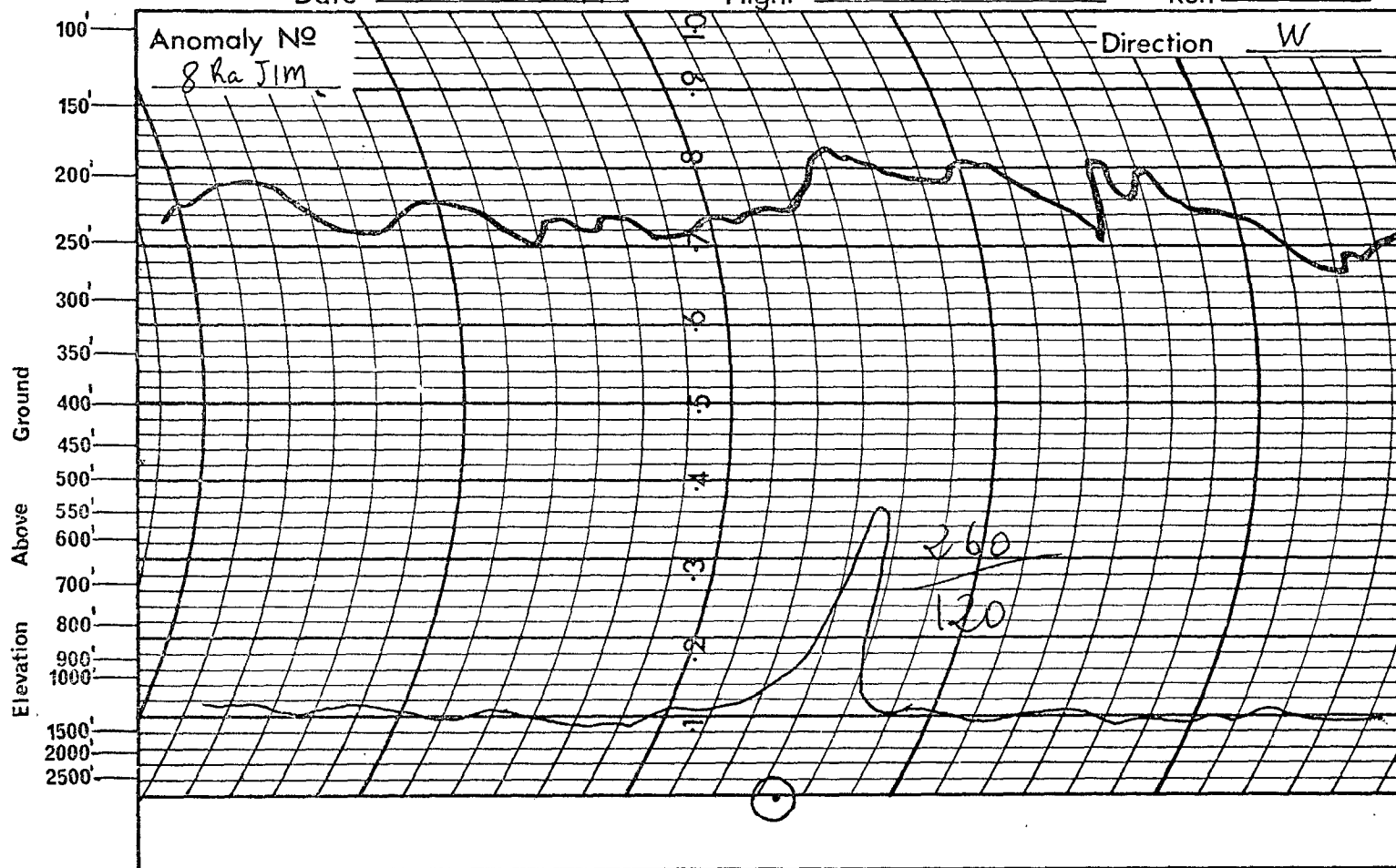


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project Jim-JIM

Navigator J. Langley
Observer J. Burnell
Interpreter J. Langley

Date 20-11-1971 Flight 493 Run 24



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 3.00 Ng: 15.00 l: 0.200

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 9 Jim.....
Date:..... 21.11.71..... Flight:..... 494..... Run:..... 25 E.....
Location: Latitude:..... 13°10'54"..... Longitude:..... 132°54'06".....
State:..... N.T..... ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation: Alluvium on Puk 2 (middle member)

p. 120/ 100
K. 2,20
Ng. 8,80
l. 0,250

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Identical to anomaly 8 Jim. Probably with the same origin, with a slight navigational drift, because despite the close proximity of survey flights only an abnormal beach could be identified for anomalies 8 and 9 Jim.

Conclusion: To be checked at ground-level



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

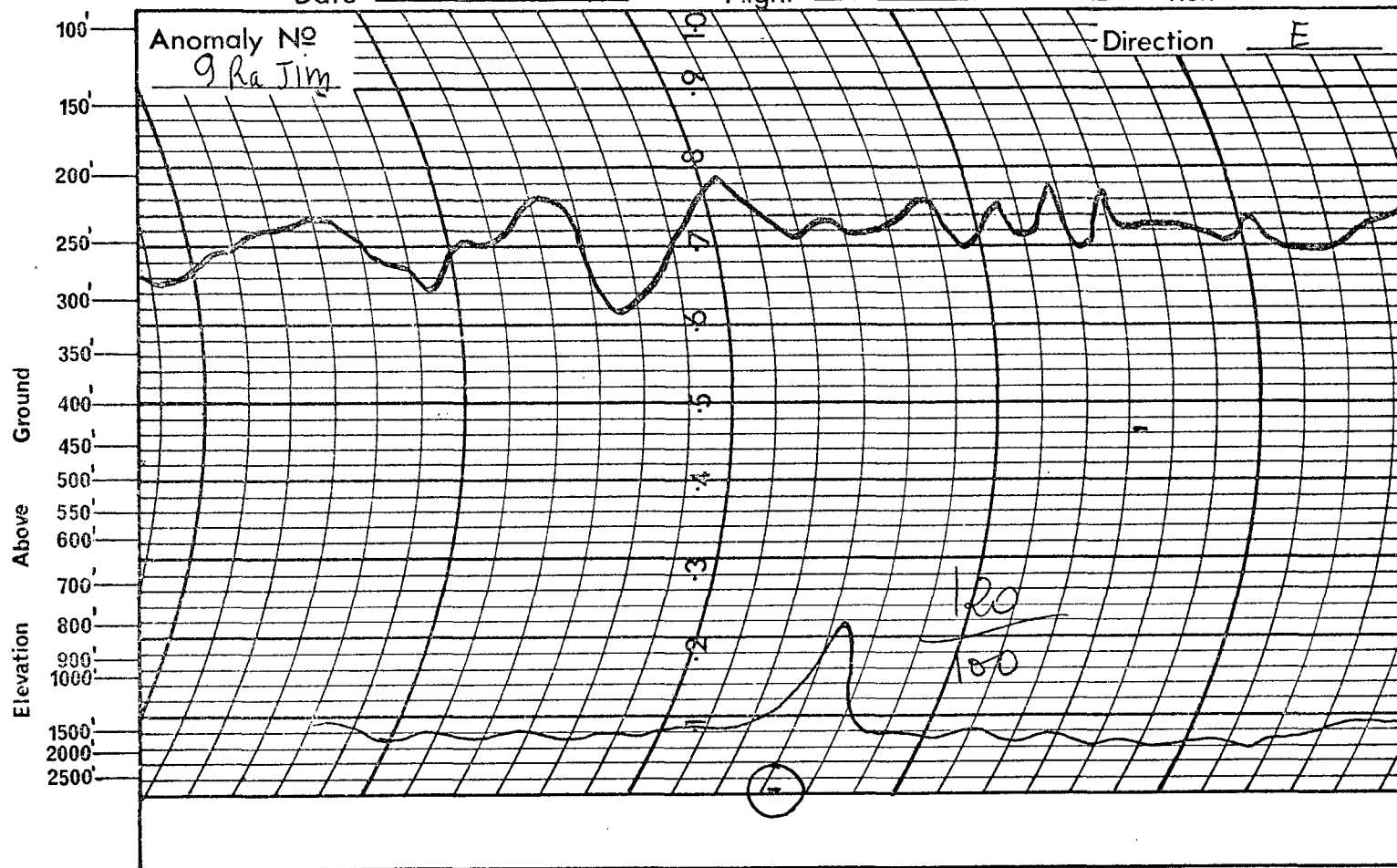
Project JIM- JIM

Date 21-11-1971

Flight 494

Run 25

Navigator G. Bangs
Observer G. Bangs
Interpreter G. Bangs



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2,20 Ng: 8,80 l: 0,250

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 10 Jim
Date: 21.11.71 Flight: 494 Run: 31 E
Location: Latitude: $13^{\circ}10'00''$ Longitude: $132^{\circ}52'00''$
State: N.T. ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Contact Puk/volcanic sediments

P. 180/ 120

(Lower - middle member)

K. 2, 32

Ng. 15, 40

l. 0, 150

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Anomaly situated on a small section of laterite or ferruginous gravel. Normal contrast at 100'

Conclusion: No interest

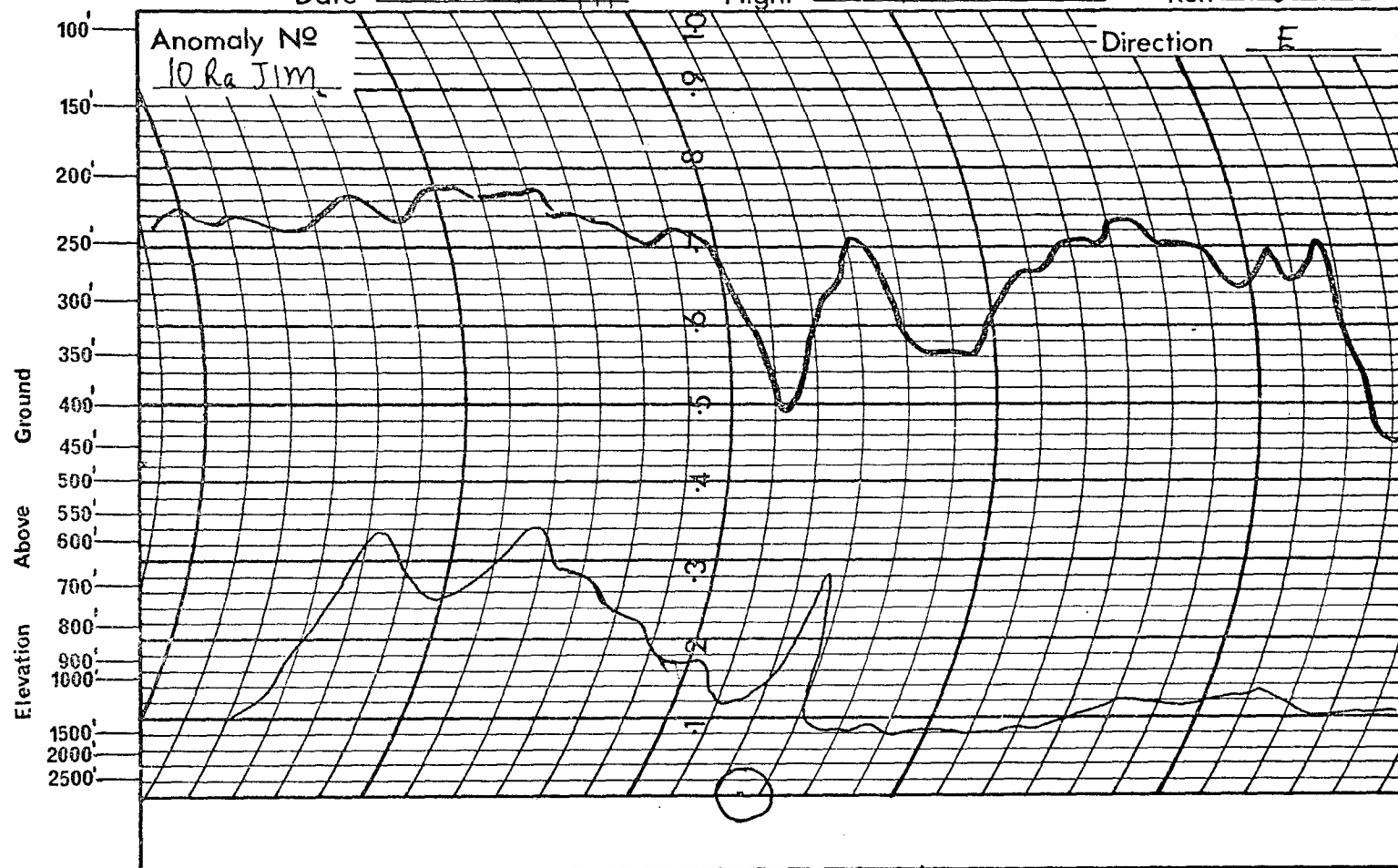


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM-JIM

Date 21-11-1971 Flight 494 Run 31

Navigator J. Dang
Observer J. Dang
Interpreter J. Dang



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2,32 Ng: 15,40 l: 0,150

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 11 Jim
Date: 21.11.71 Flight: 494 Run: 32 W
Location: Latitude: 13° 09' 36" Longitude: 132° 52' 12"
State: N. T. ATP or Lease EL95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Puk 2

L. 220/140
K. 2,58
Ng. 8,60
l. 0,300

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Part of an anomaly group - Nos. 11, 12, 14, 15 and 16, all situated on more or less ferruginous formations which could be the result of a laterite break-down or the hardening of a volcanic deposit, interbedded in the Kombolgie formation. The contrast is as weak as ever at 100'.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

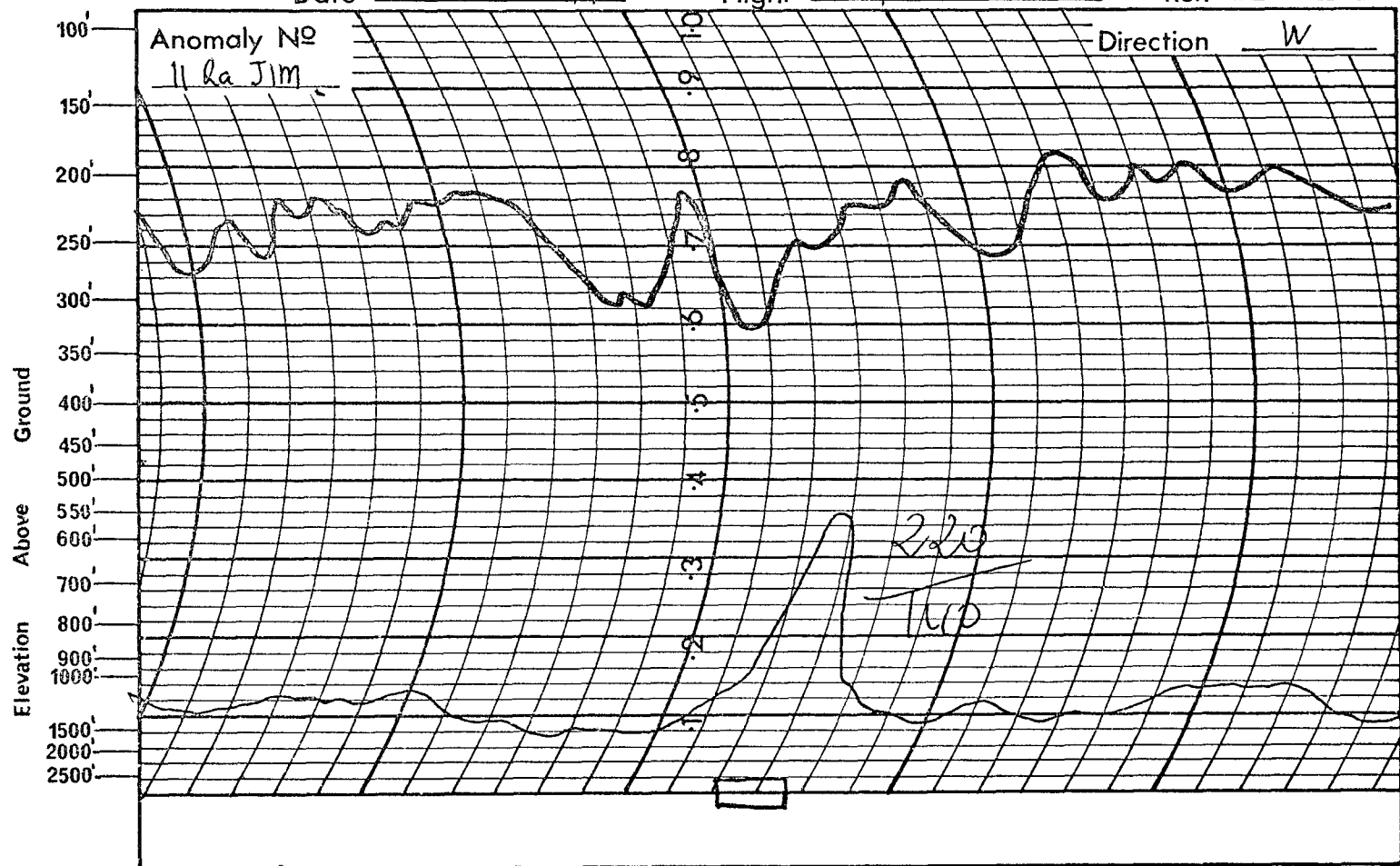
Project JIM. JIM

Date 21-11-1971

Flight 494

Run 34

Navigator G. Langley
Observer G. Buncle
Interpreter G. Langley



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2.58 Ng: 8.60 L: 0.300

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 12 Jim.....
Date:..... 21.11.71..... Flight:..... 494..... Run:..... 35 E.....
Location: Latitude:..... 13° 09' 12"..... Longitude:..... 132° 52' 06".....
State:..... N.T. ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk 2.....

L. 190/170

K. 2, 10

Ng. 5, 30

l. 0, 400

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date:..... 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Same anomaly group as 11, 12, 14, 15 and 16 Jim. All situated on more or less ferruginous formations which could be the result of a laterite break-down or the hardening of a volcanic deposit, interbedded in the Kombolgie formation. The contrast is as weak as ever ar 100'.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM. JIM

Navigator J. Langley
Observer G. Dunne
Interpreter J. Langley

Date 21-11-1971 Flight 494 Run 35



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2,10 Ng: 5,30 l: 0,400

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 13 Jim
Date: 21.11.71 Flight: 494 Run: 35 E
Location: Latitude: 13° 09' 12" Longitude: 132° 57' 00"
State: ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Type Pattern:

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Puk 2 / volcanic sediment

P. 150/160

K. 2, 12

Ng. 8, 50

1. 0, 250

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Anomaly isolated at the edge of an inlier in the Kombolgie formation on a volcanic formation with laterite or of a ferruginous nature.

No contrast 100'. Fairly dispersed anomaly.

Conclusion:

No interest.



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

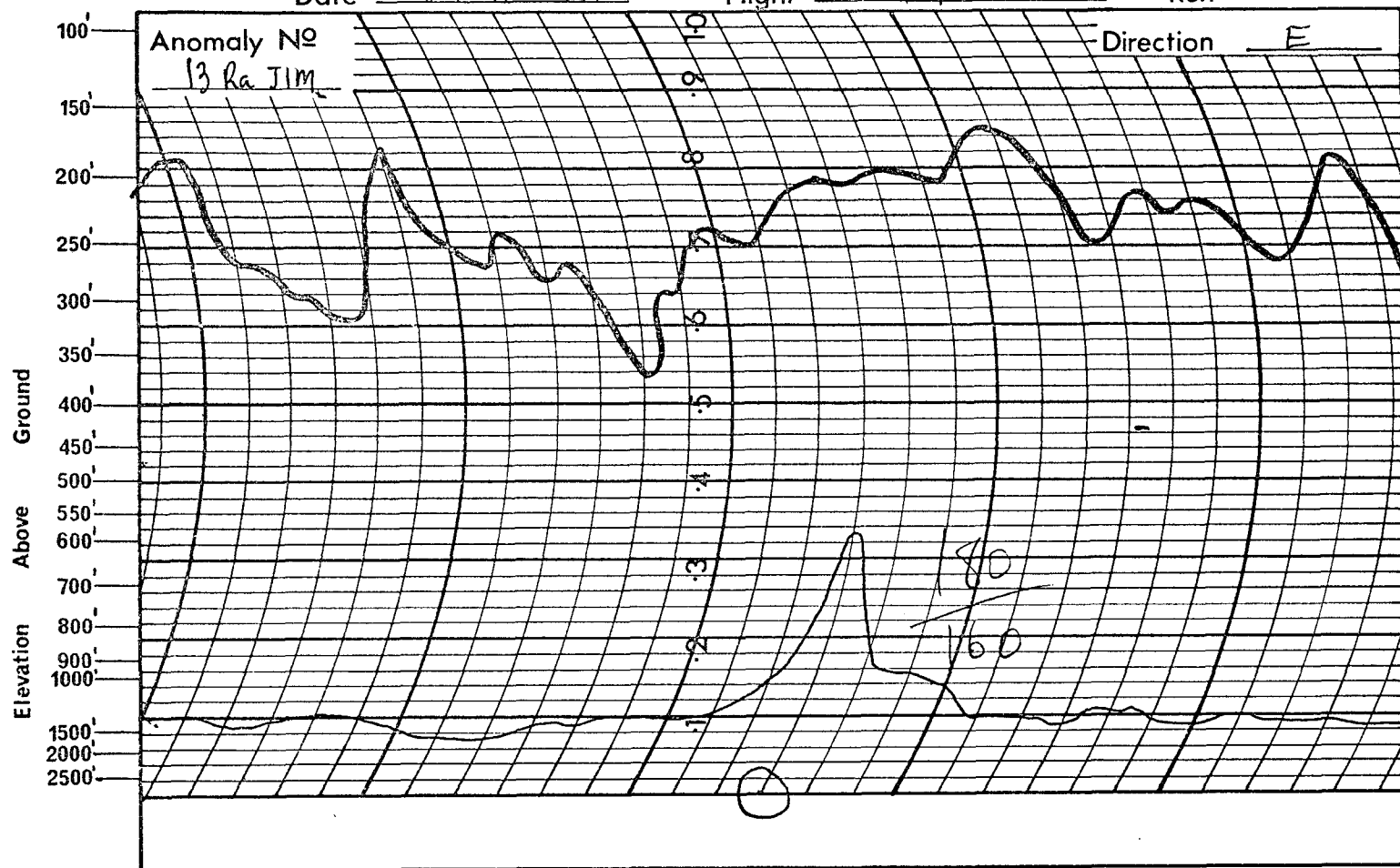
Project Jim. Jim

Date 21. 11. 1971

Flight 494

Run 35

Navigator P. Dangu
Observer P. Dangu
Interpreter P. Dangu



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2, 12 Ng: 8, 50 l: 0, 250

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 14 Jim
Date: 21.11.71 Flight: 494 Run: 36 W
Location: Latitude: 13°09'06" Longitude: 132°52'00"
State: N.T. ATP or Lease: EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Contact Puk/volcanic sediment²

Background Anomaly 400

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Part of anomaly group - Nos. 11, 12, 15 and 16 Jim, all situated on more or less ferruginous formations which could be the result of a laterite break-down or the hardening of a volcanic deposit, interbedded in the Kombolgie formation. The contrast at 100' is as weak as ever.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM - JIM

Date 21-11-1971

Flight 494

Run 36

Navigator J. Banquy
Observer G. Burnel
Interpreter J. Banquy



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 15 Jim.....
Date:..... 22.11.71..... Flight:..... 494..... Run:..... 37 E.....
Location: Latitude:..... 13°08'42"..... Longitude:..... 132°52'06".....
State:..... N.T. ATP or Lease..... EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk 2..... /volcanic sediment

Background anomaly 610

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Part of anomaly group - Nos. 11, 12, 14 and 16 Jim, all situated on more or less ferruginous formations which could be the result of a laterite break-down or the hardening of a volcanic deposit, interbedded in the Kombolgie formation. The contrast at 100' is as weak as ever.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM - JIM

Date 21. 10. 1971

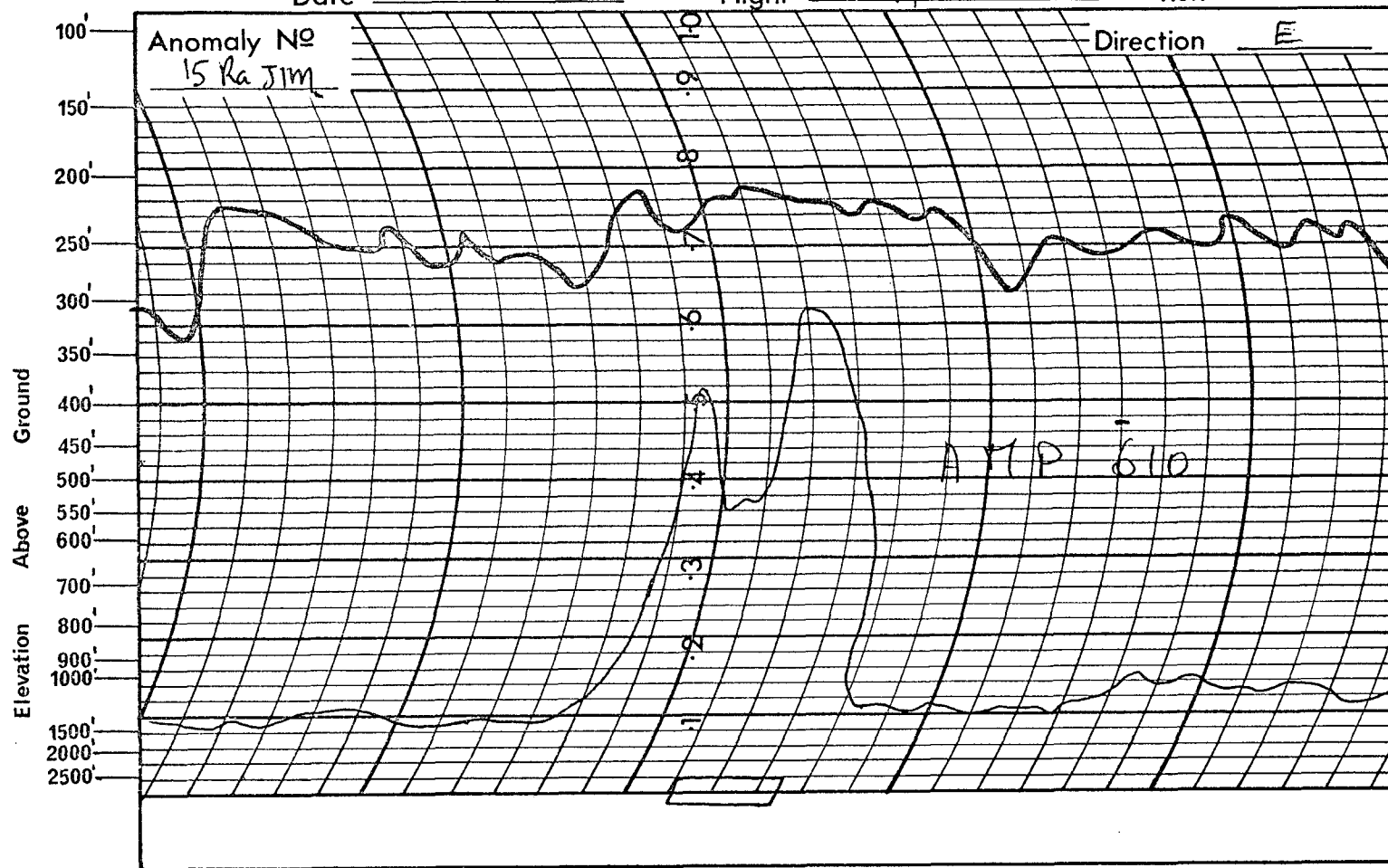
Flight 494

Run 37

Navigator J. Danzig

Observer J. Danzig

Interpreter J. Danzig



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 16 Jim.....
Date:..... 22.11.71..... Flight:..... 494..... Run:..... 38 W.....
Location: Latitude:..... 13°08'06"..... Longitude:..... 132°52'06".....
State:..... N.T. ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk 2 /volcanic sediment

Background anomaly 620

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Part of anomaly group - Nos. 11, 12, 14 and 15 Jim, all situated on more or less ferruginous formations which could be the result of a laterite break-down or the hardening of a volcanic deposit interbedded in the Kombolgie formation. The contrast at 100' is as weak as ever.

Conclusion: No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

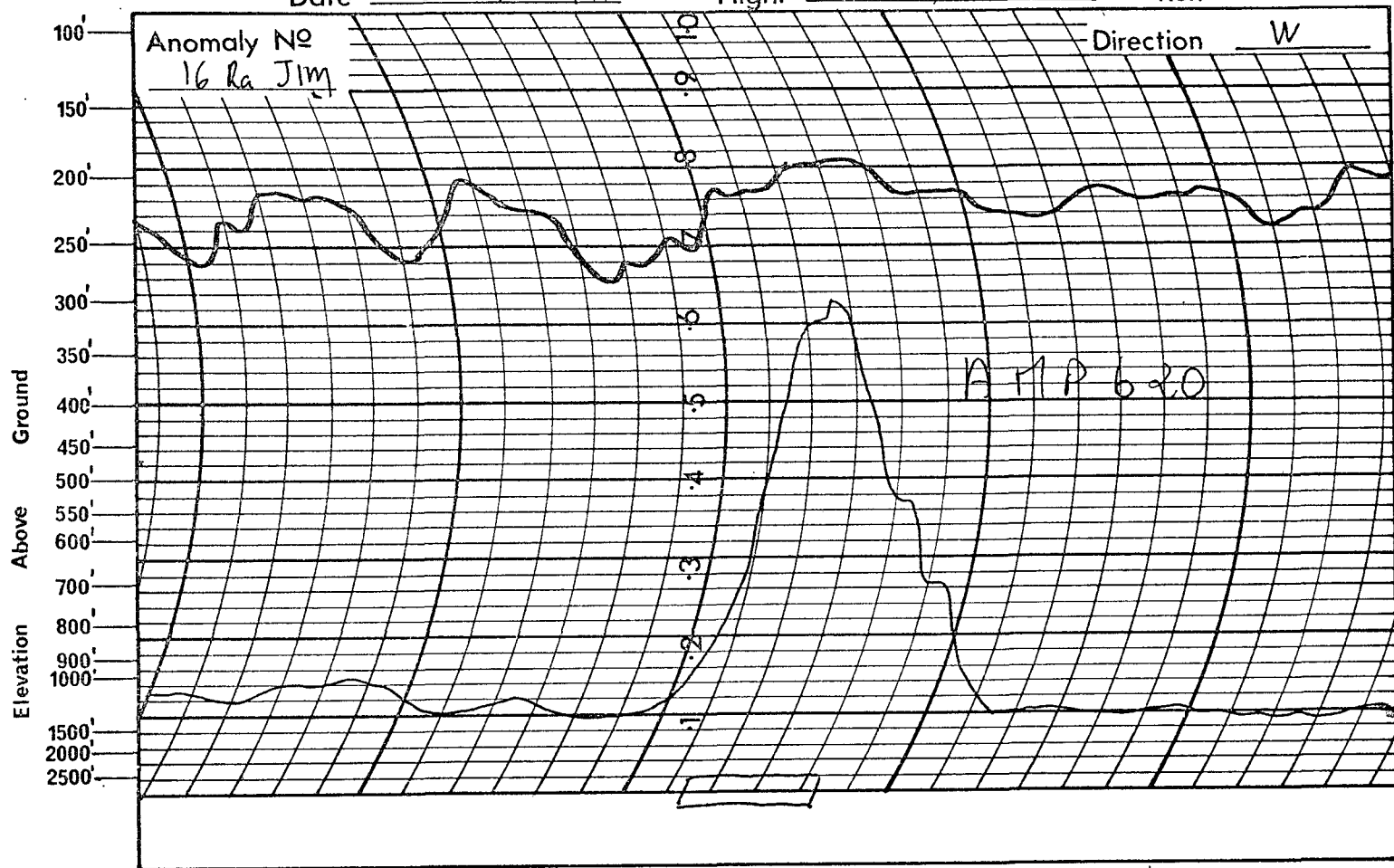
Project JIM-JIM

Date 21. 11. 1971

Flight 494

Run 38

Navigator J. Bangay
Observer J. Bangay
Interpreter J. Bangay



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 17 Jim
Date: 22.11.71 Flight: 494 Run: 60 W
Location: Latitude: 13° 04' 30" Longitude: 132° 51' 36"
State: N. T. ATP or Lease EL 95 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Fisher Creek

P. 140/180

K. 1,73
Ng. 6,95'

1. 0,250

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Anomaly corresponding with anomaly 54 P. M. from the 1969 campaign. Found exactly the same contrasts, no interest.
Simple BG variation on Plt outcrop.

Conclusion: No interest.



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

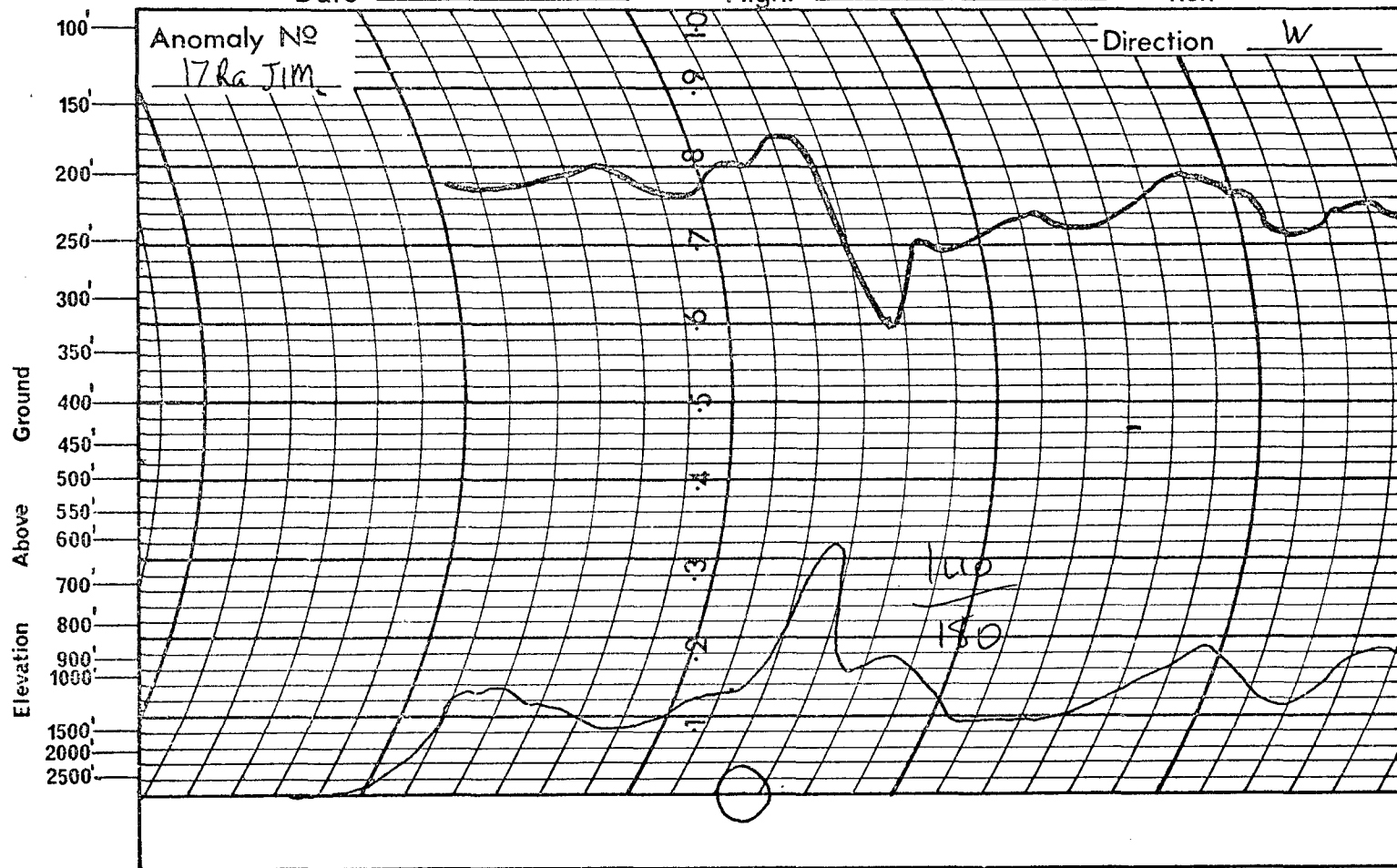
Project JIM. JIM

Date 22.11.1971 Flight 495 Run 60

Navigator J. Bangue

Observer J. Dumier

Interpreter J. Bangue



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 1.73 Ng: 6.95 l: 0.250

Observations _____

ANOMALY DESCRIPTION

Identification: Project:.....Jim Jim..... No.:.....18 Jim.....
Date:.....23.11.71..... Flight:.....495..... Run: Swing 103 to 104 W.....
Location: Latitude:.....12°57'06"..... Longitude:.....133°00'30".....
State:.....N.T. ATP or Lease EL 264..... Ownership:.....Q.M.L.....
Prospection: Aircraft:.....Cessna 206..... Type Pattern:.....1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:.....DANGUY..... Formation: Contact Puk/volcanic sediment.....

L. 120/180

K. -1,67

Ng. 4,80

l. 0,350

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:.....G. Danguy..... Interpreter:.....G. Danguy.....

DAP Analysis:

Ferruginous shield at the edge of volcanic sedimentary formations

Conclusion: No interest

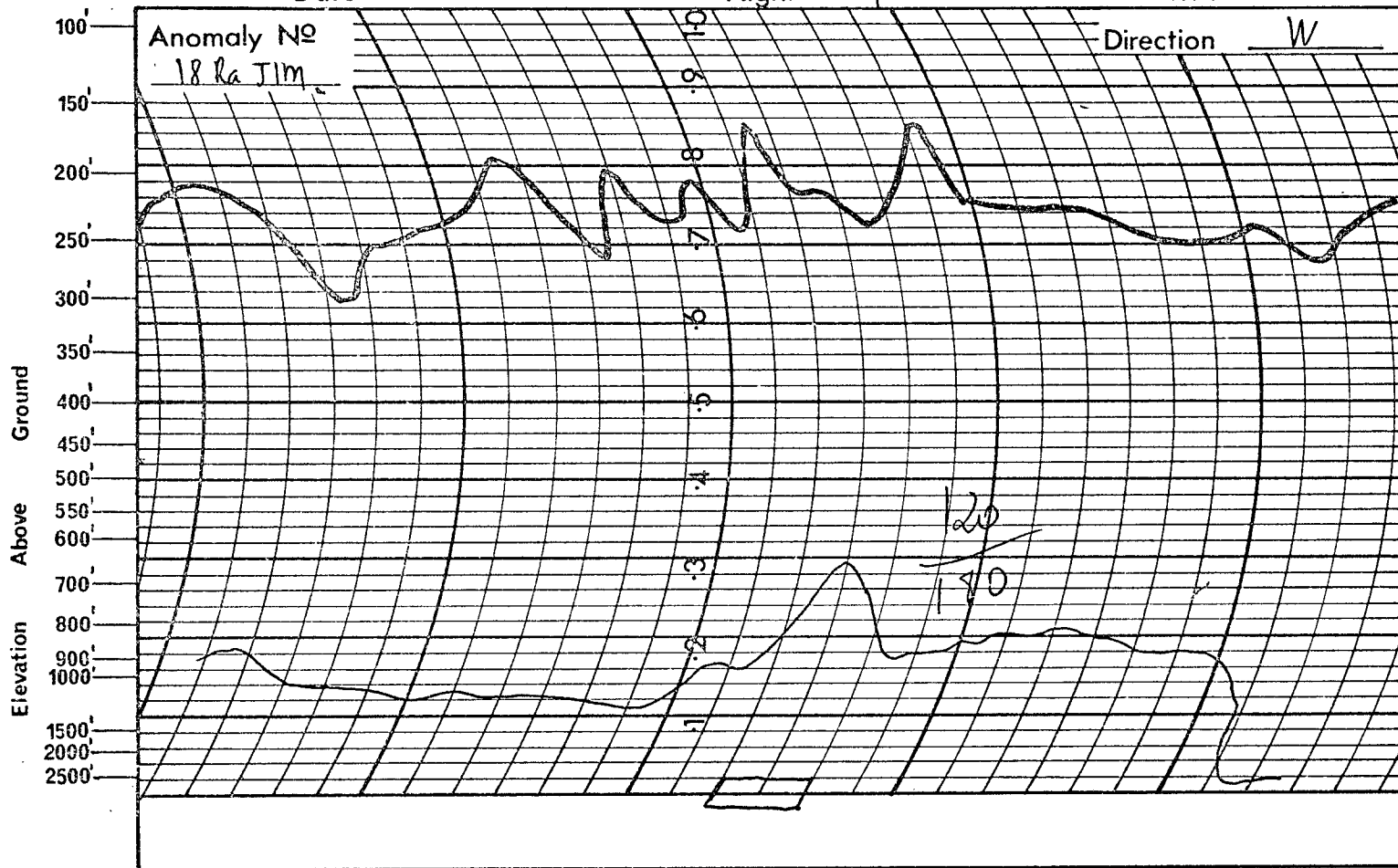


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project Jim. Jim

Navigator J. Gurnell
Observer J. Gurney
Interpreter -S-

Date 23-11-1971 Flight 496 Run 104



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 1,67 Ng: 4,80 L: 0,350

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 19 Jim.....
Date:..... 23. 11. 71..... Flight:..... 495..... Run:..... 111 E.....
Location: Latitude:..... 12° 55' 36"..... Longitude:..... 132° 00' 00".....
State:..... N. T. ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Puk Lower member.....

L. 110/160

K. 1,69

Ng. 5,65

l. 0,300

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25. 11. 71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Ferruginous gravel which may result from the break-down of laterite
or from a shield. No contrast.

Conclusion: No interest.



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

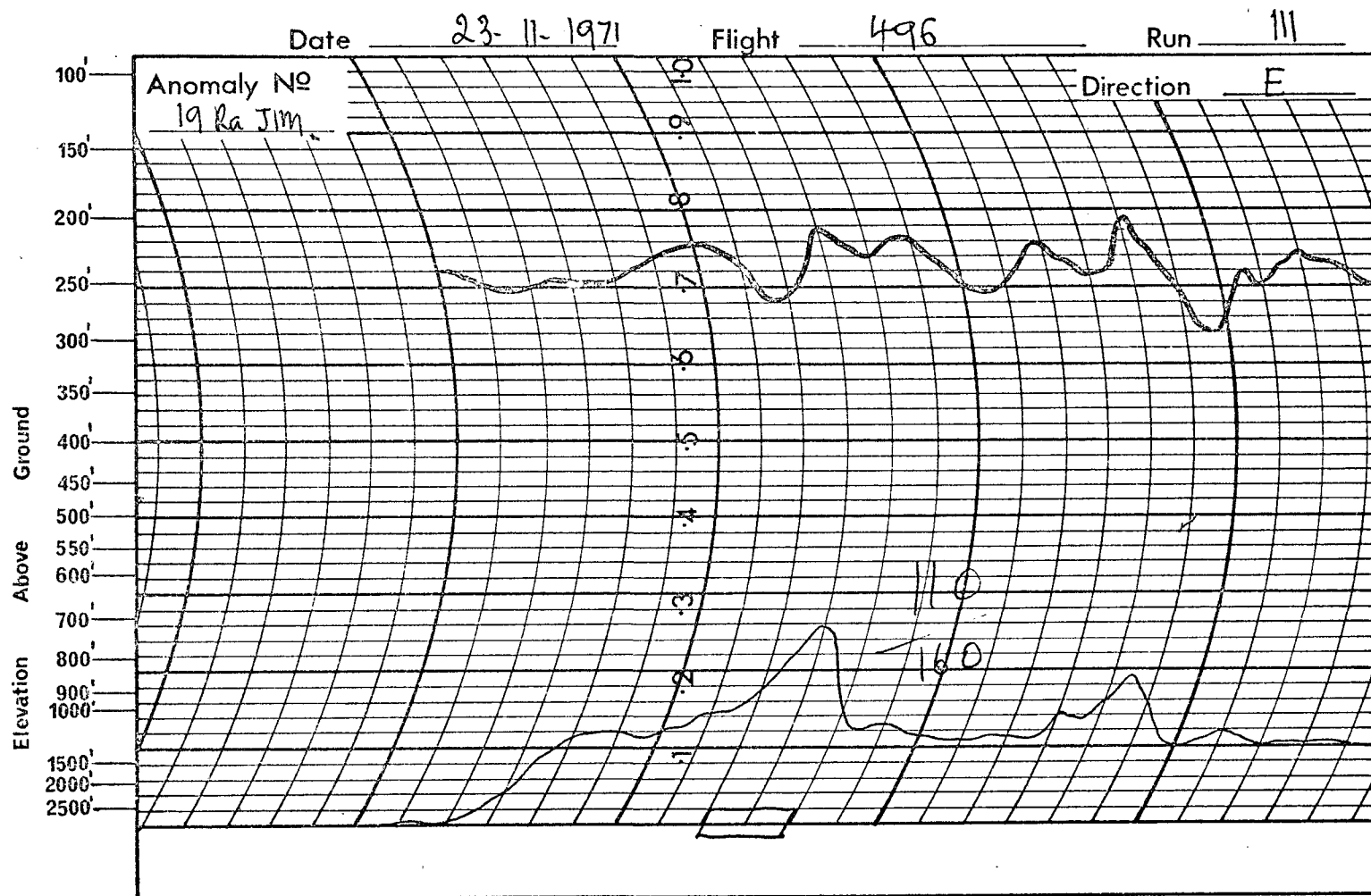
Project JIM. JIM

Date 23-11-1971

Flight 496

Run 111

Navigator P. Burnie
Observer P. Langmuir
Interpreter J. J.



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 1.69 Ng: 5.65 L: 0.300

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 20 Jim.....
Date:..... 23.11.71..... Flight:..... 495..... Run:..... 117N.....
Location: Latitude:..... $12^{\circ}48'36''$ Longitude:..... $132^{\circ}57'48''$
State:..... N.T..... ATP or Lease EL 282..... Ownership:..... NORAN.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Fishers Creek.....

Background anomaly 470

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

IBG in the valley at the foot of the Kombolgie Formation. Outcrop forming a slight, but unidentifiable mound. Very compact survey flights made over 5 square miles - without results. The RA forms plateaux which do not exceed 600 c/s at 100'.

Conclusion: No interest

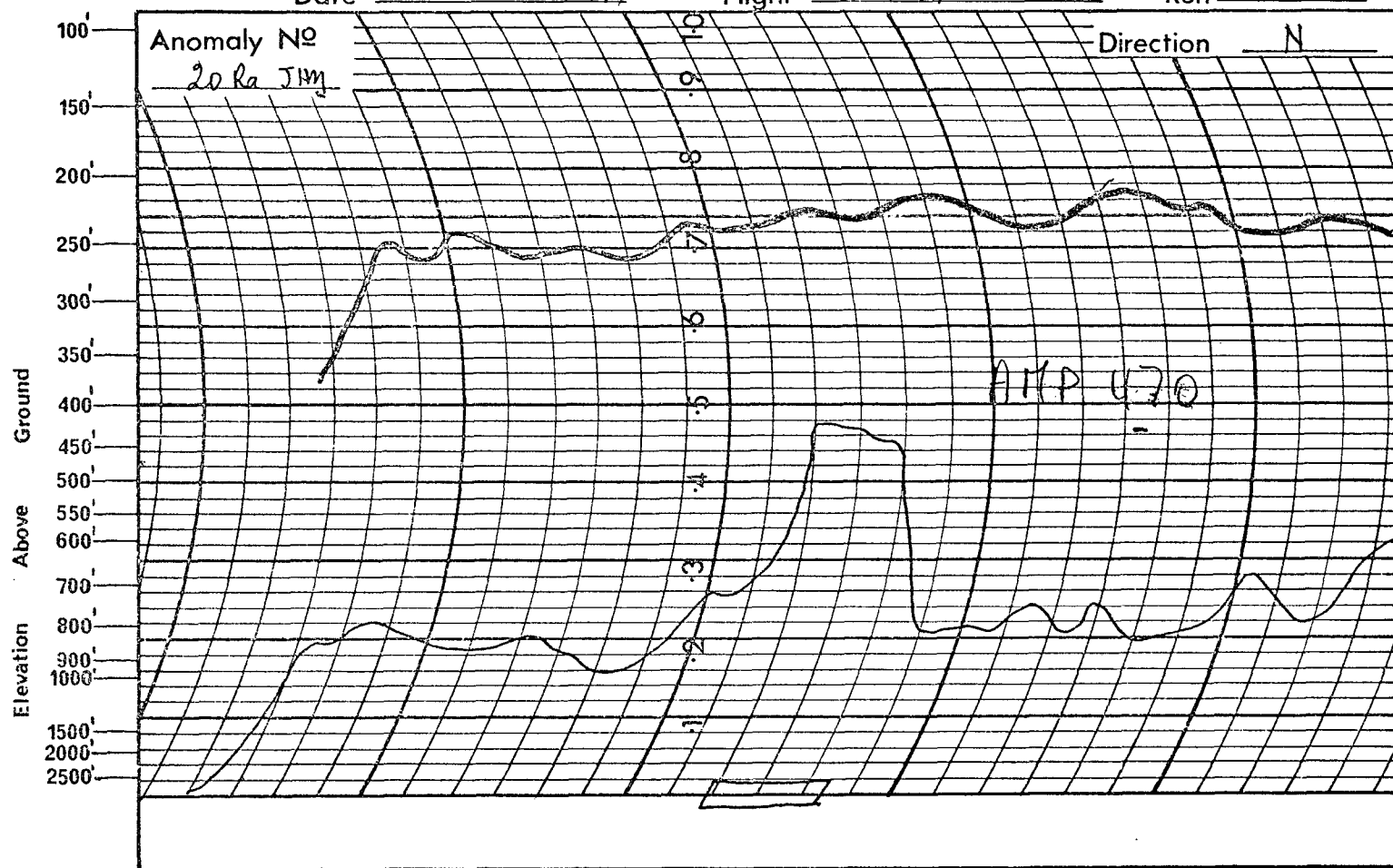


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM. JIM

Navigator J. Burrell
Observer J. Langley
Interpreter A.

Date 24-11-1971 Flight 497 Run 117



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ L: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 21 Jim
Date: 23.11.71 Flight: 495 Run: 118 S
Location: Latitude: 12° 50' 36" Longitude: 132° 57' 55"
State: N. T. ATP or Lease EL 282 Ownership: NORAN
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Alluvium on Plf.

Background anomaly 370

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Weak BG variation retained for DAP study because of its geological situation. An alluvial flat with increase in RA but no contrast at 100'. Numerous survey flights made very close together (about 10 meters apart) without results.

Conclusion: No interest.



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

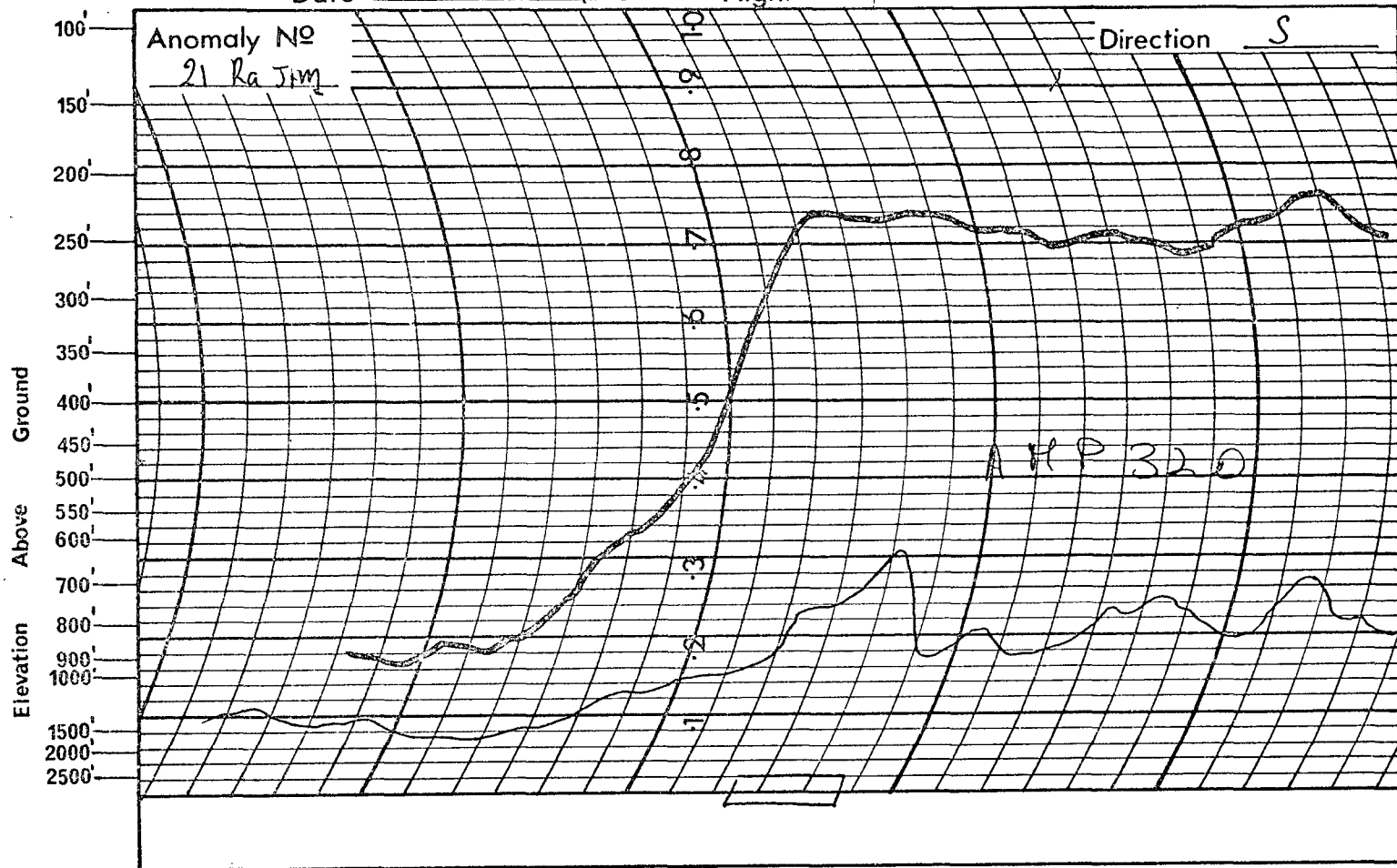
Project J1m - J1m

Date 24-11-1971

Flight 497

Run 118

Navigator G. Dunin
Observer J. Langue
Interpreter J.



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: _____ Ng: _____ l: _____

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 22 Jim
Date: 23.11.71 Flight: 495 Run: 126 S
Location: Latitude: 12°54'30" Longitude: 132°59'12"
State: N. T. ATP or Lease E195 Ownership: PROJECT MINING
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Puk 2 volcanic sediments

L. 180/160

K. 2,25

Ng. 6,40

l. 0,350

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

DAP Analysis:

Local increase of RA on an outcrop with ferruginous shielding,
could be a volcanic formation. No contrast at 100'

Conclusion:

No interest



PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

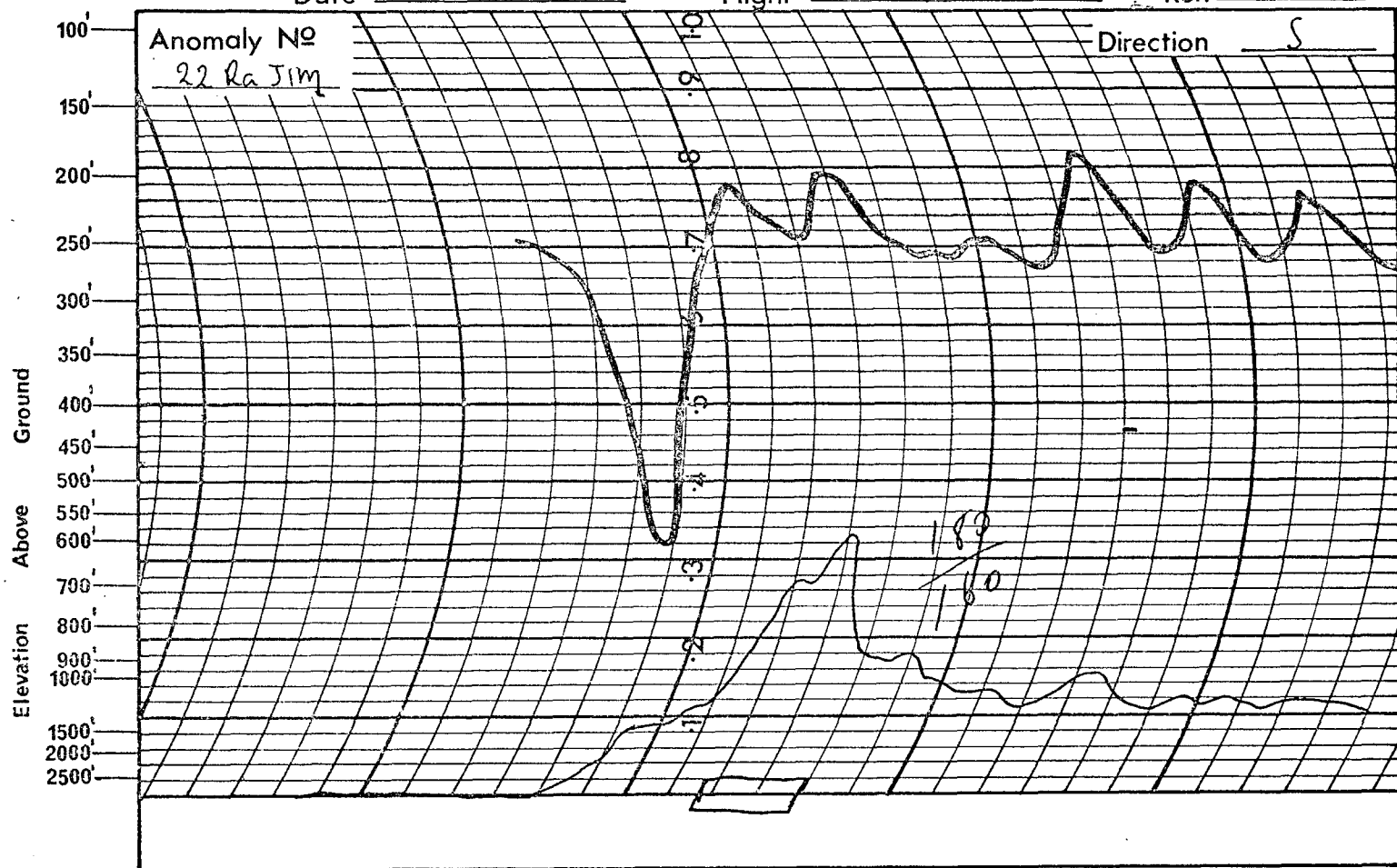
Project JIM-JIM

Navigator G. Burnier
Observer P. Comyn
Interpreter J.

Date 24-11-71 Flight 497 Run 126

Anomaly No
22 Ra Jim

Direction S



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2,25 Ng: 6,40 l: 0,350

Observations _____

ANOMALY DESCRIPTION

Identification: Project:..... Jim Jim..... No.:..... 23 Jim.....
Date:..... 24.11.71..... Flight:..... 495..... Run:..... 131 N.....
Location: Latitude:..... 12° 53' 30"..... Longitude:..... 133° 59' 55".....
State:..... N.T..... ATP or Lease EL 95..... Ownership:..... PROJECT MINING.....
Prospection: Aircraft:..... Cessna 206..... Type Pattern:..... 1000'.....

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter:..... G. DANGUY..... Formation:..... Pak 1 Lower member

L. 100/ 140

K. 2, 15

Ng. 7, 20

l. 0, 300

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator:..... G. Danguy..... Interpreter:..... G. Danguy.....

DAP Analysis:

Weak BG variation on alluvium collected in slight depressions
with ferruginous gravel. No contrast at 100'.

Conclusion: No interest

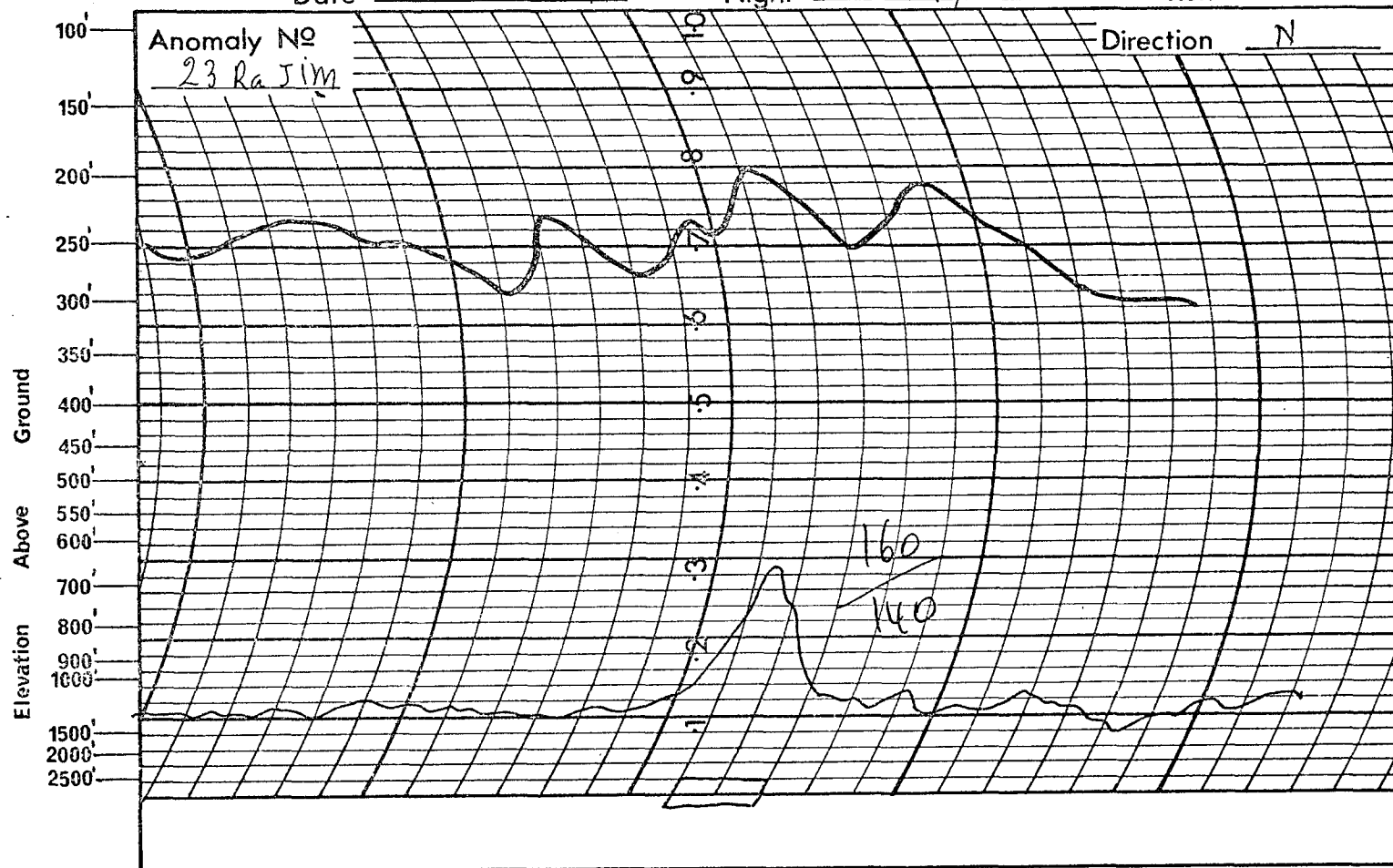


PECHINEY (AUSTRALIA) EXPL. PTY. LTD.

Project JIM- JIM

Navigator J. Daniel
Observer J. Bangs
Interpreter J. Daniel

Date 24-11-1971 Flight 497 Run 131



1000	3000
900	2700
800	2400
700	2100
600	1800
500	1500
400	1200
300	900
200	600
100	300
0	0

K: 2.15 Ng: 7.20 L: 0.300

Observations _____

ANOMALY DESCRIPTION

Identification: Project: Jim Jim No.: 24 Jim
Date: 24.11.71 Flight: 495 Run: 132 s
Location: Latitude: $12^{\circ}53'30''$ Longitude: $133^{\circ}00'02''$
State: N.T. ATP or Lease: EL 264 Ownership: Q. M. L.
Prospection: Aircraft: Cessna 206 Type Pattern: 1000'

GENERAL AERIAL PROSPECTION ANALYSIS

Interpreter: G. DANGUY Formation: Puk 1 Lower member

L. 160/220

K. 2, 35

Ng. 7, 75

l. 0, 300

Conclusion:

DETAILED AERIAL PROSPECTION ANALYSIS

Reflight Date: 25.11.71 Navigator: G. Danguy Interpreter: G. Danguy

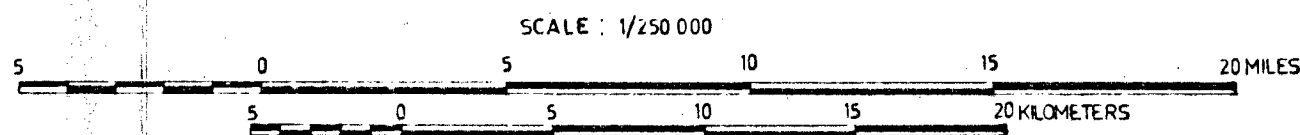
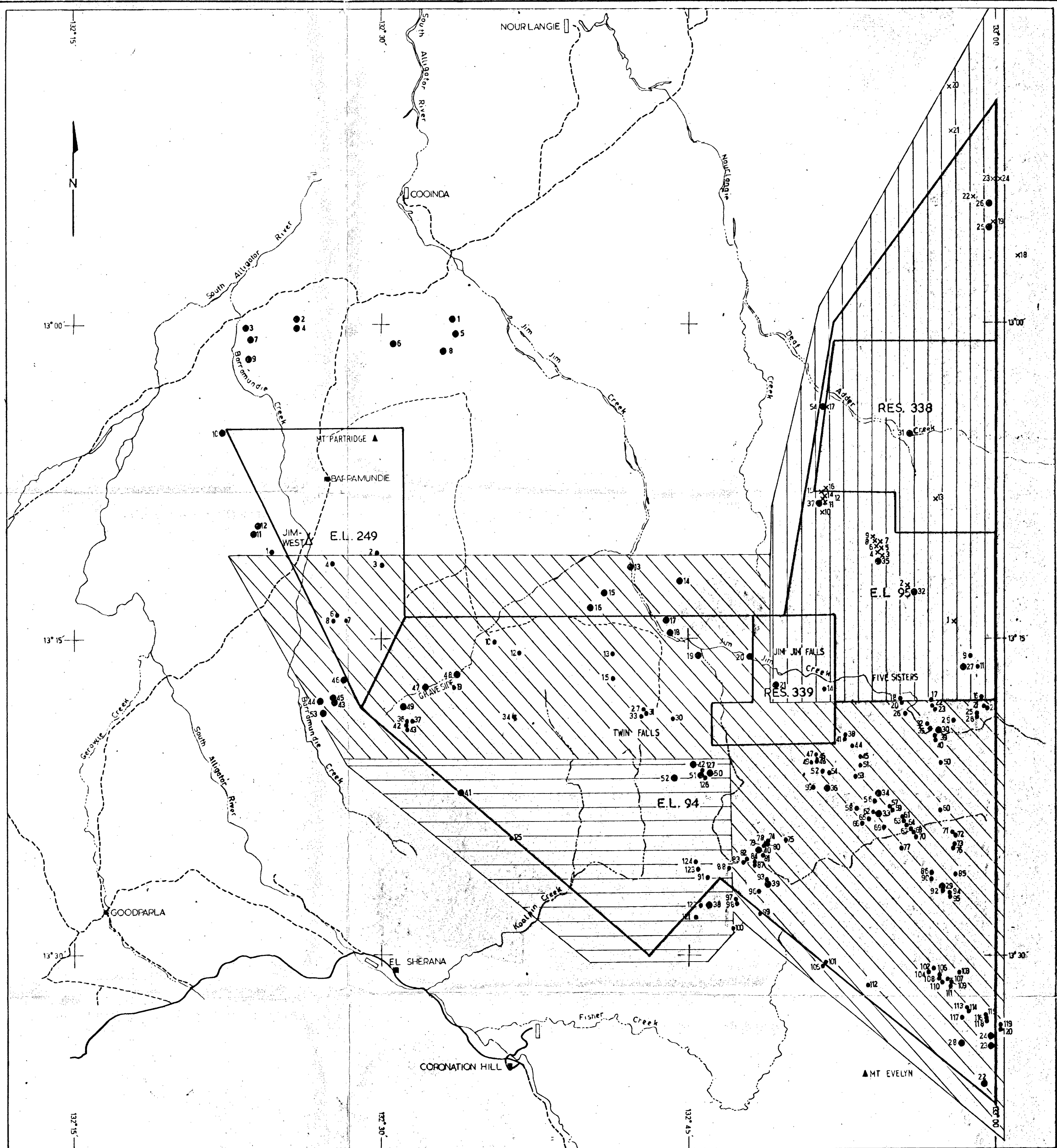
DAP Analysis:

Same as anomaly 23 Jim.

Weak BG variation on alluvium collected in slight depressions with ferruginous gravel. No contrast at 100'.

Conclusion: No interest.

- SCINTILLOMETRIC SURVEY MAP,
- MAGNETIC SURVEY MAP,
- AERIAL RADIOMETRIC ANOMALIES
1969 - 1971 - 1972 campaign.



REFERENCE

ROAD, TRACK	—	P.M. ANOMALY (1969 CAMPAIGN)	●
PECHINEY'S TRACK	- - -	J.W. ANOMALY (1972 CAMPAIGN)	•
RIVER, CREEK	~	JIM ANOMALY (1971 CAMPAIGN)	x
AIRSTRIIP	□	GRID 1000 FEET (NOVEMBER 1971)	□
HOMESTEAD	■	GRID 1000 FEET (JUNE 1972)	□
E.L. OR RESERVE BOUNDARY	—	GRID 3000 FEET (JUNE 1972)	□
KOMBOLGIE FORMATION	□		

PECHINEY (AUSTRALIA) EXPLORATION PTY LTD

JIM-WEST: JUNE 1972 CAMPAIGN

AREAS COVERED BY:
AERIAL SCINTILLOMETER SURVEY

CR 72/88c

PREPARED BY G. DANGUY SCALE 1:250 000
DRAWN BY YHM DATE SEPTEMBER 1972 PLAN No NT 318



REFERENCE

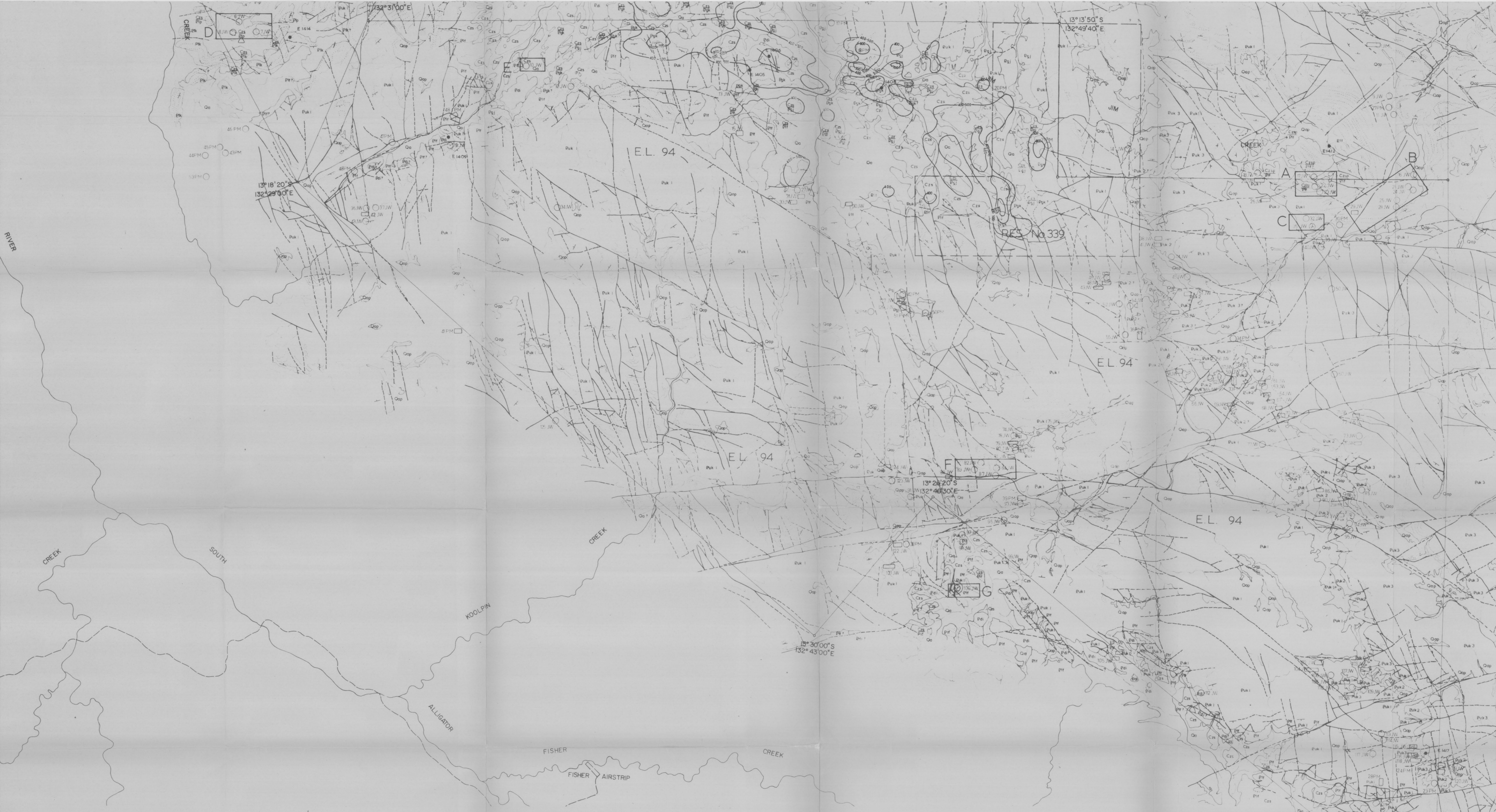
- | | | | |
|--------------------------|-------|--|--|
| ROAD, TRACK | — | AREA COVERED BY THE 1/2 MILE GRID (NOV 71) | |
| PECHINEY'S TRACK | - - - | AREA COVERED BY THE 2 MILE GRID (JUN 72) | |
| RIVER, CREEK | ~~~~~ | | |
| AIRSTRIp | □ | | |
| HOMESTEAD | ■ | | |
| E.L. OR RESERVE BOUNDARY | — | | |
| KOMBOLGIE FORMATION | | | |

CR 72/88c

PECHINEY (AUSTRALIA) EXPLORATION PTY LTD		
JIM-WEST: JUNE 1972 CAMPAIGN		
AREAS COVERED BY: AERIAL MAGNETOMETER SURVEY		
PREPARED BY G. DANGUY	SCALE 1/250 000	PLAN No NT 319
DRAWN BY YHM	DATE SEPTEMBER 1972	



CA 72/38C



GEOLOGICAL LEGEND

UPPER PROTEROZOIC

- Qap: Quaternary alluvium
- Czsp: Carboniferous sandstone
- Puk1: Permian sandstone
- Puk2: Permian sandstone
- Puk3: Permian sandstone

LOWER PROTEROZOIC

- Qap: Quaternary alluvium
- Czsp: Carboniferous sandstone
- Puk1: Permian sandstone
- Puk2: Permian sandstone
- Puk3: Permian sandstone

Geological Formations

- Jim Jim Granite
- Zamu Complex
- Fisher Sandstone
- Koolpin Formation
- Portage Formation

AREA LOCATION

NORTHERN TERRITORY

NOTE See also legend on Mt Evelyn and Alligator River maps of 1:250,000 geological series

AERIAL RADIOMETRIC ANOMALIES

AERIAL PROSPECTING

JIM-WEST : JUNE 1972 CAMPAIGN (AND RESULTS OF PREVIOUS CAMPAIGNS)

PHOTOGEOLOGY BY M. CHAIGNE

PECHINEY (AUSTRALIA) EXPLORATION PTY. LIMITED AND PROJECT MINING CORPORATION LIMITED

SCALE 1 INCH TO 1 MILE - 1:63,360

CHAINS 0 10 20 30 40 50 60 70 80 90 100

METERS 0 1 2 3 4 5 6 7 8 9 10 KILOMETERS

CAMPAIGN	ANOMALY	BACKGROUND INCREASE
1972	46JW	38 JW
1971	10JIM	16 JIM
1969	54PM	31 PM

REFERENCE

- △ GROUND-RADIOMETRIC ANOMALY (1972 SURVEY)
- RADIOMETRIC CONTOURS
- E □ RECOMMENDED AREAS FOR GROUND FOLLOW-UP

REFERENCE

- MAIN RIVERS
- STAGNANT
- GEOLOGICAL BOUNDARY
- SURFACE APPROXIMATELY INDICATED BY QUESTION MARK
- FAULT OR FOLD STRUCTURE
- UNEXPOSED FAULT STRUCTURE

Geological Formations

- Qap: Quaternary alluvium
- Czsp: Carboniferous sandstone
- Puk1: Permian sandstone
- Puk2: Permian sandstone
- Puk3: Permian sandstone

Geological Formations

- Jim Jim Granite
- Zamu Complex
- Fisher Sandstone
- Koolpin Formation
- Portage Formation

NOTE See also legend on Mt Evelyn and Alligator River maps of 1:250,000 geological series