

**RIO TINTO FIELD WORK**

**MAGNET QUADRANGLE**

**57 - 183**

**LIST OF PHOTOS**

MAGNET RUN 7 – 46281

MAGNET RUN 7 – 46282 (missing)

MAGNET RUN 7 – 46283

MAGNET RUN 7 – 46284

MAGNET RUN 8 – 46286

MAGNET RUN 8 – 46288

MAGNET RUN 8 – 46291

MAGNET RUN 8 – 46293

MAGNET RUN 8 – 46295

MAGNET RUN 8 – 46299

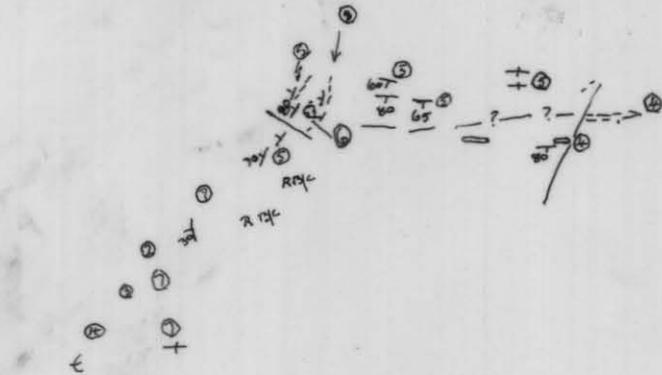
MAGNET RUN 7

453003

003

no exposure

Fragments Chart



↑ Run. No. 7. Magnet

46281

magnet Run 7. 46271

453004

- ① Massive blue-grey fine grained basic lava or dense tuff. local fragments.
- ② Hole open-cut, 80' wide, steep walls, 30° strike. Outcrop mainly friable gossan - both massive poorly bedded tuffs & fine lavas, & in bedded rocks. latter replacement of latter gives banded structure to galena - sphalerite ore.
- ③ smaller cut strikes 50°; beds dip to west.
- ④ Pale grey & dark grey cherts, weathering white. see detailed photos for description.
- ⑤ Tuffs, tuffaceous sandstones alternating with shales. Bedding obscure.
- ⑥ Pt quartzites with shale bands or dark grey crumpled shales with lenses of quartzite. latter often torn off & incorporated as "balls" in shale.
- ⑦ Tuffaceous sandstone, plentiful quartz.
- ⑧ Boulders dolomite & Pt quartzite in creek bedding from NW.

Magnet Run 7 46281.

004

004

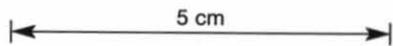
453005

MAGNET RUN 7

006

46283

5 cm



Run. No. 7. Magnet



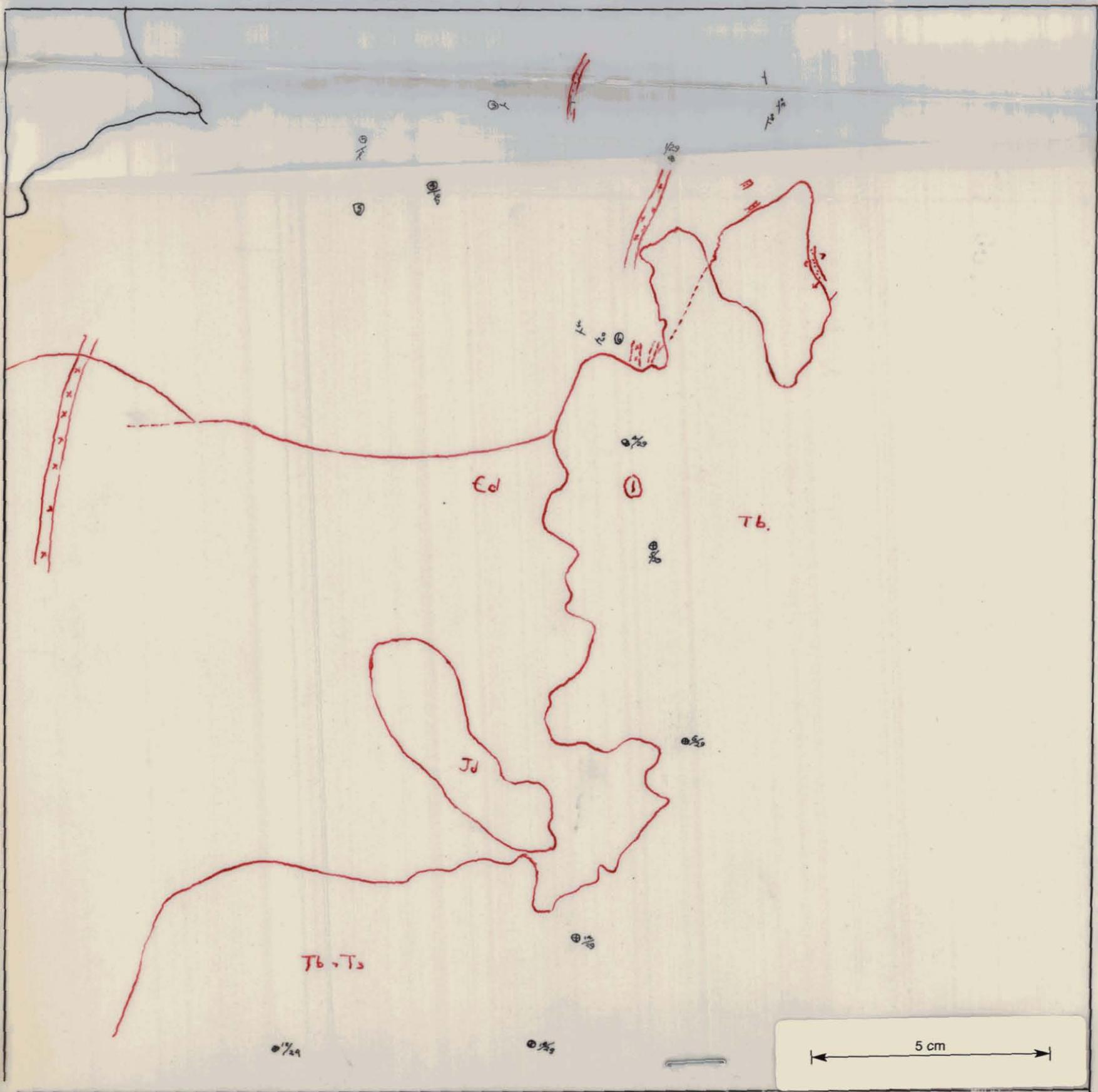
Magnet Run 7 46283

453006

MAGNET RUN 7

007

46284



Run. No 7. Magnet

Magnet Run 7 46284

453007

- ① Tertiary Basalt sheet. ② Dundas coarse agglomerate - water worn pebbles in med. gr. tuffaceous q.m.  
③ Antimonial-Lead vein - 320° - 8 ins. ④ Zn-Pb-Sb prospect 320° ⑤ Brookes prospect - Pb, Zn, Cu, Sb mineralization.  
⑥ Bischoff Series - decomposed incompetent slates, minor competent quartzite bands.  
⑦ Quartzite formation - massive, mineralized. Dips beneath Dundas. ⑧ Dundas Series - agglomerates, tuffs and purple slates.

Magnet Run 7 46284.

N

011

Magnet Run No 8 Abzrl.



000

← Run. No. 8. Magnet 13,600 ft.

000

46286

46286

Magnet Run No 8  
class

5 cm

Run. No. 8. Magnet  
↑



MAGNET RUN 8

453009

class

001

MAGNET RUN 8

453010

Magnet Run No. 8

46291



Run. No. 8. Magnet.

P 3

20  
15  
10

0/c

0/c

0/c

gr

5 cm

46291

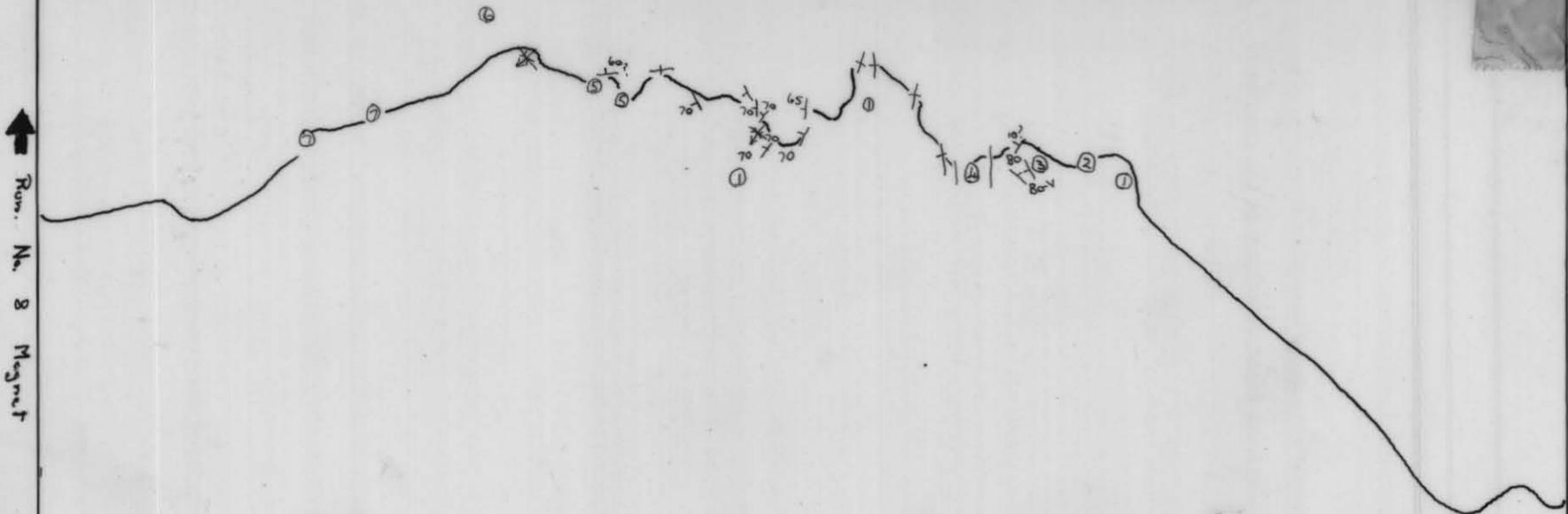
46291

002

MAGNET RUN 8

453011

009



5 cm

Run. No. 8 Magnet

46293

Magnet R 2

2000m 1957

Magnet  
Run 8  
46293

- (2) undulating rocks like (1)
- (3) Folded purple, brown & grey cherty argillites; bedding obscure
- (4) Dense greenish serpentine, dark veinlets.
- (5) Purple shales
- (6) Boulders chert & gabbro in scree; gabbro intruding chert in one piece.
- (7) Decomposed igneous (?) rock.
- (5) Purple shale undulating?
- (6) Boulder chert & gabbro included chert in weathered tuff.
- (7) Completely decomposed green rock.
- (1) Blocky weathered closely jointed tuffs speckled mica sandstones, argillites etc.  
(from above)

RIO AUSTRALIA EXPLORATION PTY

010

453012

MAGNET RUN 8

453013

Magnet Run 8 tags.

Run No. 8. Magnet

①  
②  
③  
④

Cleveland  
Mine

5 cm

008

46295

012

Wagner, G. & ...

- ① Weathered tuff
- ② Green micro-gabbro
- ③ Small alluvial fan field.

Magnet  
 Run 8  
46295

10

RIO AD:

453014

MAGNET  
RUN 8

453015

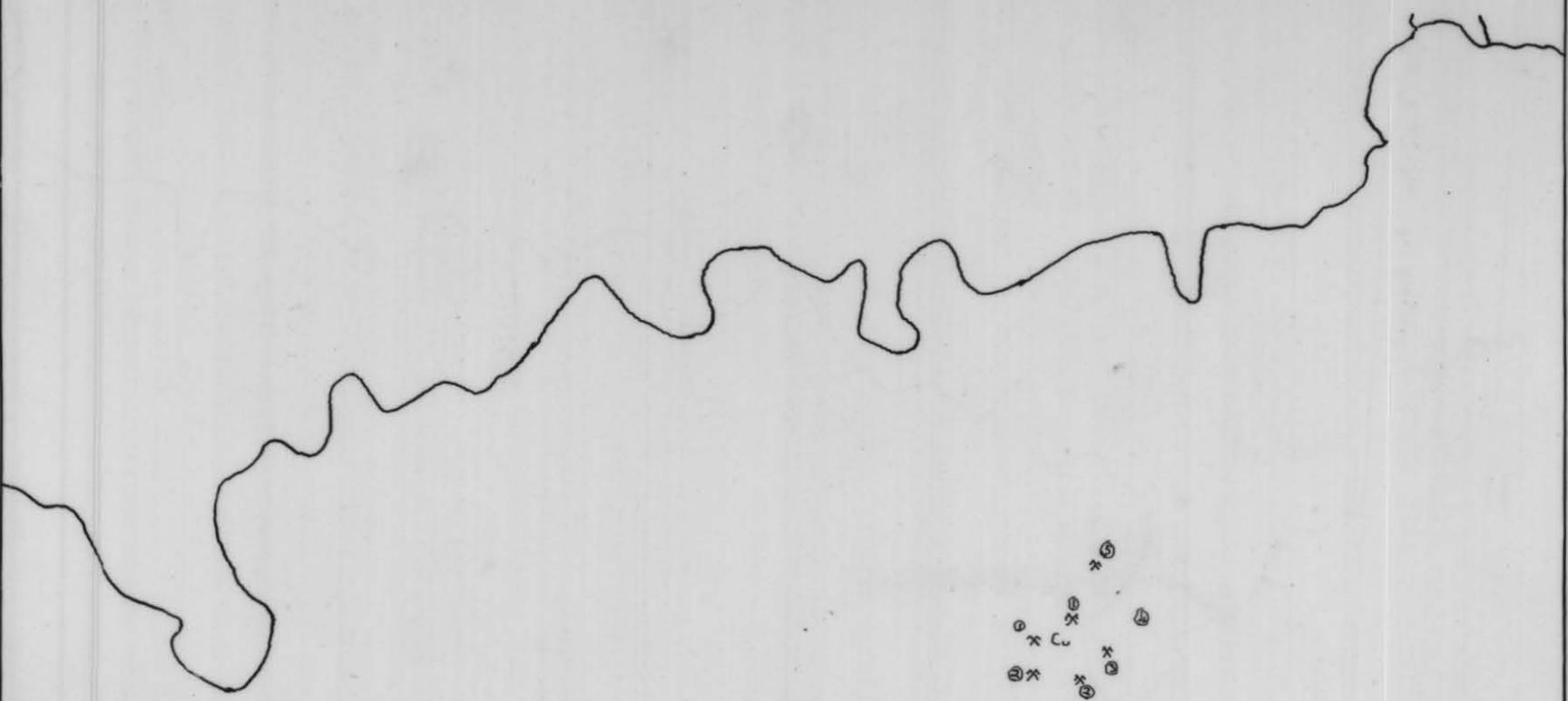
013

5 cm

↑  
Run. No 8. Magnet

Magnet Run 8  
6299

46299



014

- ① Adit. Chalcopyrite & bornite (?) splashed through serpentine & serpentinized ultrabasic. Malachite. Rare massive clods of chalcopyrite 2-3" across. Gangue mainly quartz & little calcite.
- ② Open cut & adits in similar ore to ①.
- ③ Shafts in serpentine carrying irregular veins & lenses of galena, or galena-sphalerite, & pyrite. Gangue mainly quartz & siderite.
- ④ Line of workings in ore like ③.
- ⑤ Adits in serpentine carrying quartz-galena-pyrite-chalcopyrite veins & lenses, sometimes 6" or so thick.

Magnet Run 8 46299

14

RIO AUSTRALIA EXPLORATION

453016