

HOLE NO. BT 172

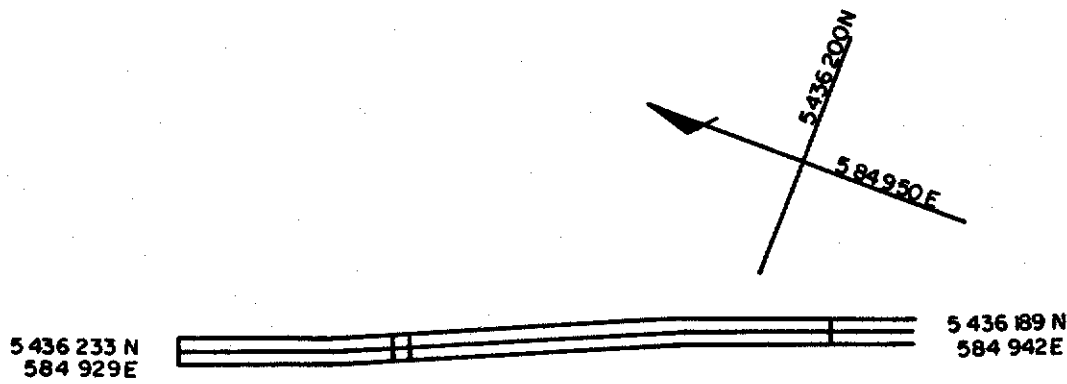
GOLD FIELDS EXPLORATION PTY. LIMITED
DIAMOND DRILL HOLE PLOT

SCALE 1:

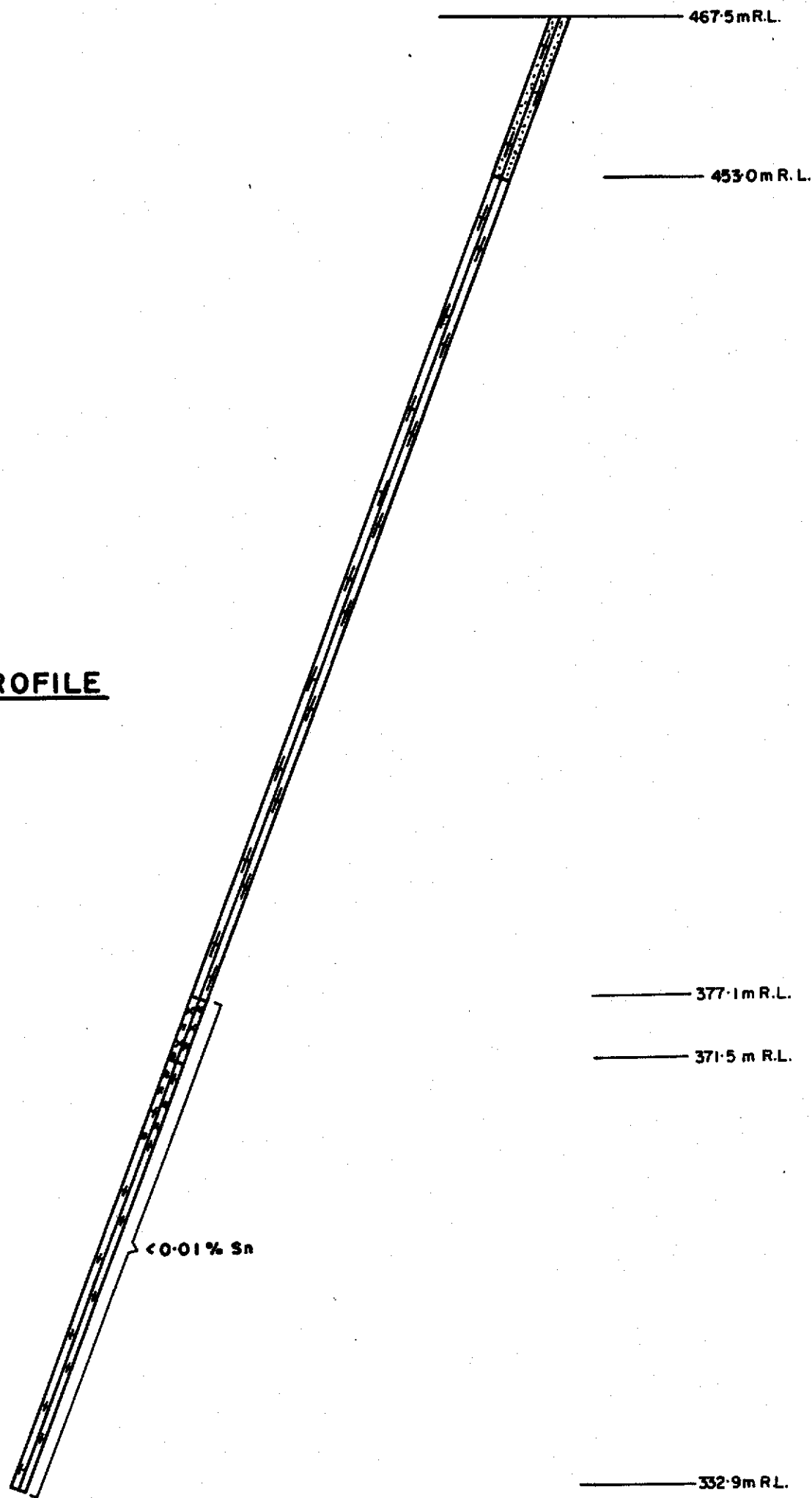


5 cm

PLAN



DIP PROFILE



657238



GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

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ULV. PRESS

| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA | | | | | | | | | | | | | |
|----------|-------|----------|-----|--|------------|------|----|--------|--|--|--|--|--|--|--|--|--|--|
| From | To | m | % | | Sample No. | From | To | Rec. % | | | | | | | | | | |
| | | | | SUMMARISED LOG | | | | | | | | | | | | | | |
| 0.0 | 94.0 | 94.0 | | VARIABLY BUT OVERALL WEAKLY ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE. HEMATITIC ALTERATION INCREASES WITH DEPTH. | | | | | | | | | | | | | | |
| 94.0 | | | | CONTACT | | | | | | | | | | | | | | |
| 94.0 | 100.2 | 6.2 | | HIGHLY ALTERED DG-FP GRANITE, WITH SILICIFIED ZONES AND ABUNDANT SERICITISATION. | | | | | | | | | | | | | | |
| 100.2 | | | | CONTACT. | | | | | | | | | | | | | | |
| 100.2 | 141.0 | 40.8 | | MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE, INITIALLY MODERATELY GREISENED, THEN ONLY WEAKLY ALTERED. | | | | | | | | | | | | | | |
| | | | | DETAILED LOG | | | | | | | | | | | | | | |
| | | | | 0.0-94.0 INCIPIENTLY ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE. | | | | | | | | | | | | | | |
| 0.0 | 7.0 | | | Tricone. No core recovered. | | | | | | | | | | | | | | |
| 7.0 | 14.8 | 4.8 | 62 | Moderately weathered, brown, medium grained granite. Porphyritic (core lost between 10.0-13.0) with large (up to 1.5cm) feldspar phenocrysts. Moderately and highly fractured with some crumbly zones. Brown limonite and white clays are common. Unaltered. | | | | | | | | | | | | | | |
| 14.8 | 61.0 | 46.2 | 100 | Unaltered, medium grey granite. Medium grained and porphyritic as above. Weakly fractured with a few crushed zones, quartz veinlets and sericite coated fractures. The crushed zones are characterised by a pink colouration in the feldspar phenocrysts (hematite) and the development of pale green sericite causing a softening of the rock. The granite around these zones is pink up to 3-4m away. At 31.1 and 31.8, two 0.2m thick, flat lying, weakly greisened alkali granite intrusions occur. | | | | | | | | | | | | | | |

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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

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| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA (ppm) | | | | | | | | | | | | | | | |
|----------|-------|----------|-----|--|------------------|-------|-------|--------|----|--|--|--|--|--|--|--|--|--|--|--|
| From | To | m | % | | Sample No. | From | To | Rec. % | Sn | | | | | | | | | | | |
| 61.0 | 94.0 | 33.0 | 100 | A thick (2.0m) zone of strongly altered, pale pink-grey granite occurs. Pale grey sericite is common, pervasively with quartz. All trace of micas is gone. Patches of silicified (medium grey) granite are developed. Fractures are abundant with clay coatings. | | | | | | | | | | | | | | | | |
| | | | | Below this altered zone, the medium grained, porphyritic granite is pink with no grey granite patches. Fractured and crushed zones are still common. Weakly altered overall, apart from a few minor sericitised zones (thin, 20-30cm) similar to the one described above. In places the granite is quite red with hematitic alteration well developed. Rare, thin (5cm) pegmatites and aplites occur. | | | | | | | | | | | | | | | | |
| | | | | At 75.4, a 5cm thick pink-red pegmatite is underlain by 0.5m of dark grey silicified, sericitised aplitic granite. | | | | | | | | | | | | | | | | |
| | | | | A moderately gradational contact with the unit below occurs. | | | | | | | | | | | | | | | | |
| 94.0 | | | | CONTACT | 5451 | 94.0 | 95.0 | 100 | 60 | | | | | | | | | | | |
| | | | | | 5452 | 95.0 | 96.0 | 100 | 30 | | | | | | | | | | | |
| | | | | 94.0-100.2 HIGHLY ALTERED DG-FP | 5453 | 96.0 | 97.0 | 100 | 30 | | | | | | | | | | | |
| | | | | | 5454 | 97.0 | 98.0 | 100 | 20 | | | | | | | | | | | |
| 94.0 | 100.2 | 6.2 | 100 | Highly altered, sericitised fine grained, non-porphyritic granite. Much of the original texture has been replaced with a pervasive silicification and sericitisation. Pale green and grey, moderately fractured, in places crumbly and soft with sericite and rare fluorite coating and infilling fractures. Molybdenite is also present. Dark grey silicified zones and a few weakly altered granite zones occur. Rare feldspar phenocrysts (2cm long) are also discernable. Could be medium grained Poimena Adamellite in places. No pegmatite on lower contact. | 5455 | 98.0 | 99.0 | 100 | 20 | | | | | | | | | | | |
| | | | | | 5456 | 99.0 | 100.0 | 100 | 20 | | | | | | | | | | | |
| | | | | | 5457 | 100.0 | 101.0 | 100 | 30 | | | | | | | | | | | |
| | | | | | 5458 | 101.0 | 102.0 | 100 | 30 | | | | | | | | | | | |
| | | | | | 5459 | 102.0 | 103.0 | 100 | 60 | | | | | | | | | | | |
| | | | | | 5460 | 103.0 | 104.0 | 100 | 40 | | | | | | | | | | | |
| | | | | | 5461 | 104.0 | 105.0 | 100 | 30 | | | | | | | | | | | |
| | | | | | 5462 | 105.0 | 106.0 | 100 | 50 | | | | | | | | | | | |
| | | | | | 5463 | 106.0 | 107.0 | 100 | 20 | | | | | | | | | | | |
| | | | | | 5464 | 107.0 | 108.0 | 100 | 20 | | | | | | | | | | | |
| 100.2 | | | | CONTACT | 5465 | 108.0 | 109.0 | 100 | 20 | | | | | | | | | | | |
| | | | | | 5466 | 109.0 | 110.0 | 100 | 10 | | | | | | | | | | | |
| | | | | 100.2-141.0 MODERATELY ALTERED, WEAKLY GREISENED ALKALI GRANITE. | 5467 | 110.0 | 111.0 | 100 | 10 | | | | | | | | | | | |
| | | | | | 5468 | 111.0 | 112.0 | 100 | 20 | | | | | | | | | | | |
| 100.2 | 106.0 | 5.8 | 100 | Moderately altered, greisenized alkali granite. Medium grained, | 5469 | 112.0 | 113.0 | 100 | 10 | | | | | | | | | | | |

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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

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ULV. PRESS

| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA (ppm) | | | | | | | | | | | | | | |
|----------|-------|----------|-----|--|------------------|-------|-------|--------|-----|--|--|--|--|--|--|--|--|--|--|
| From | To | m | % | | Sample No. | From | To | Rec. % | Sn | | | | | | | | | | |
| | | | | equigranular and unfractured. Alteration is variable ranging from | 5470 | 113.0 | 114.0 | 100 | 20 | | | | | | | | | | |
| | | | | weakly sericitised to moderately greisened, in a patchy random | 5471 | 114.0 | 115.0 | 100 | 20 | | | | | | | | | | |
| | | | | fashion. Veins of quartz sericite and fluorite occur. The colours | 5472 | 115.0 | 116.0 | 100 | 20 | | | | | | | | | | |
| | | | | of the granite are pale green-cream to very dark green-grey. | 5473 | 116.0 | 117.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5474 | 117.0 | 118.0 | 100 | 10 | | | | | | | | | | |
| 106.0 | 141.0 | 35.0 | 100 | Pale green-orange grey alkali granite. Very weakly altered | 5475 | 118.0 | 119.0 | 100 | 10 | | | | | | | | | | |
| | | | | (abrupt contact with the more altered phase above) and unfractured | 5476 | 119.0 | 120.0 | 100 | 20 | | | | | | | | | | |
| | | | | Slightly more altered in some places (e.g. 121.2-122.5) it | 5477 | 120.0 | 121.0 | 100 | 10 | | | | | | | | | | |
| | | | | also contains a few rare quartz-fluorite veinlets. Some fractures | 5478 | 121.0 | 122.0 | 100 | 70 | | | | | | | | | | |
| | | | | (also rare) have fluorite coatings. | 5479 | 122.0 | 123.0 | 100 | 140 | | | | | | | | | | |
| | | | | | 5480 | 123.0 | 124.0 | 100 | 20 | | | | | | | | | | |
| | | | | END OF HOLE 141.0m | 5481 | 124.0 | 125.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5482 | 125.0 | 126.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5483 | 126.0 | 127.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5484 | 127.0 | 128.0 | 100 | 10 | | | | | | | | | | |
| | | | | | 5485 | 128.0 | 129.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5486 | 129.0 | 130.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5487 | 130.0 | 131.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5488 | 131.0 | 132.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5489 | 132.0 | 133.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5490 | 133.0 | 134.0 | 100 | 30 | | | | | | | | | | |
| | | | | | 5491 | 134.0 | 135.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5492 | 135.0 | 136.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5493 | 136.0 | 137.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5494 | 137.0 | 138.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5495 | 138.0 | 139.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5496 | 139.0 | 140.0 | 100 | 20 | | | | | | | | | | |
| | | | | | 5497 | 140.0 | 141.0 | 100 | 10 | | | | | | | | | | |

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