414 943

DEPARTMENT OF MINES — TASMANIA

# DIAMOND DRILL CORE RECORD

33 128

Hole No. 106

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 87'.5%

Geological Logging by —

D. J. PERKIN

Area of Operation SAVAGE RIVER Tasmania

Location of Site 727'W ALONG TRAV. C3, 2'S

Date Commenced 10-12-64

Date Completed 6-1-65

MINE COORDS 24,881 N 21,129 E

Reduced Level of Site 713.3'

Bearing of Hole 91°30'

Dip of Hole 0' -45° 200' -45° 400' -44° 520' -42°

Bore Depth 521'



A 22375

AMG Co-ords: 351240 E 5405787 N

Ref N° 2081 No Core held.

## DRILL RECORD

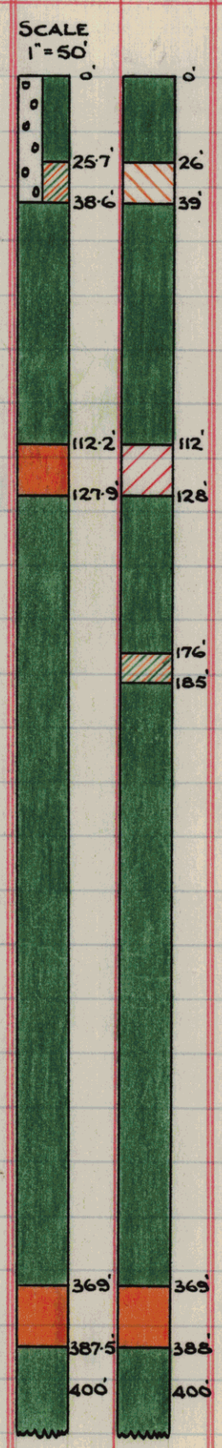
| Date | From | To | Core Recov. |
|---|---|---|---|
| 0/12/64 | 0.0 | 5.0 | 0.7 |
| 11/12 | 5.0 | 22.0 | 6.7 |
| 12/12 | 22.0 | 41.0 | 11.8 |
| 14/12 | 41.0 | 63.0 | 18.9 |
| 15/12 | 63.0 | 111.0 | 41.3 |
| 16/12 | 111.0 | 175.0 | 59.9 |
| 17/12 | 175.0 | 232.5 | 54.3 |
| 18/12 | 232.5 | 278.5 | 42.0 |
| 19/12 | 278.5 | 304.5 | 24.6 |
| 21/12 | 304.5 | 353.5 | 45.3 |
| 22/12 | 353.5 | 365.5 | 9.6 |
| 23/12 | 365.5 | 368.0 | 1.9 |
| 29/12 | 368.0 | 390.5 | 18.6 |
| 30/12 | 390.5 | 403.5 | 12.3 |
| 31/12 | 403.5 | 413.5 | 9.4 |
| /1/65 | 413.5 | 426.5 | 8.5 |
| 5/1 | 426.5 | 483.5 | 54.7 |
| 6/1 | 483.5 | 521.0 | 35.5 |
| | END OF HOLE | | |

## GEOLOGICAL LOG

| From | To | Description |
|---|---|---|
| 0.0 | 5.0 | OVERBURDEN |
| 5.0 | 25.7 | Amphibolite, quite oxidised to fairly soft and friable to 10.0 harder, fairly massive green - brown amphibolite 10.0 - 75.7. |
| 25.7 | 38.6 | Magnetite (Lean); magnetite with minor pyrite occurs in blebs and stringers with a slight tendency to alignment (Delta Angle = 45°) in slightly oxidised and sheared amphibolite containing talc, actinolite and chlorite. |
| 38.6 | 112.2 | Amphibolite, fine - medium grain to 73.0, fine grain to 79.0, fine - medium grain to 99.0, fine grain to 112.2. Massive with minor quartzofeldspathic, epidote and magnetite veinlets. Magnetite, pyrite and talc zone 100.0 - 100.7. - Occasional blebs of chalcopyrite. |
| 112.2 | 127.9 | Magnetite (Medium) fine - medium grained, fairly massive, moderate pyrite, actinolite, and minor tremolite, serpentine and talc showing tendency to banding. Some amphibolite zones, minor carbonate. |

..Cont.

## GEOLOGICAL SECTION




## ASSAY RESULTS

| Sample No. From Ft. | From Ft. | To Ft. | CRUDE % Fe | % Ni* | %TiO2* | Wt Recovery | CONCENTRATE (-325 Mesh) % Fe | %Ni* | %TiO2 |
|---|---|---|---|---|---|---|---|---|---|
| 26 | 39 | 22.36 | | | | 24.38 | 70.59 | 0.016 | 0.60 |
| 39 | 112 | Amph. | | | | | | | |
| 112 | 128 | 52.03 | | | | 62.46 | 71.32 | 0.031 | 0.16 |
| 128 | 176 | AMPH. | | | | | | | |
| 176 | 185 | 17.83 | | | | 9.73 | | | |
| 185 | 369 | AMPH | | | | | | | |
| 369 | 388 | 38.33 | | | | 48.86 | 69.37 | 0.006 | 0.022 |
| 388 | 443 | AMPH | | | | | | | |
| 443 | 463 | 51.71 | | | | 69.07 | 69.78 | 0.006 | 0.027 |
| 463 | 483 | 56.41 | | | | 59.13 | 69.29 | 0.004 | 0.008 |
| 483 | 502 | 53.49 | | | | 63.97 | 70.75 | 0.007 | 01025 |
| 502 | 510 | 32.90 | | | | 43.84 | 71.00 | 0.007 | 0.068 |
| 510 | 521 | 11.67 | | | | 3.93 | | | |

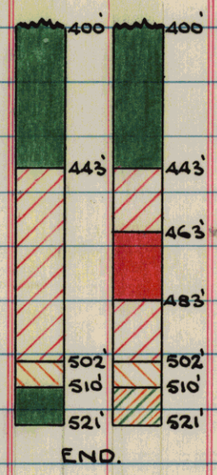
LEGEND

| | | | |
|---|---|---|---|
| RICH | > 55%Fe | MEDIUM LEAN | > 22%Fe |
| MEDIUM RICH | > 44%Fe | LEAN | > 11%Fe |
| MEDIUM | > 33%Fe | AMPHIBOLITE | < 11%Fe |
| | | ZONE OF OXIDATION | |

415 043

33 129

| DRILL RECORD | | | | GEOLOGICAL LOG | | | GEOLOGICAL SECTION | | ASSAY RESULTS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | From | To | Core Recov. | From | To | Description | Core | Sample | Sample No. | From | To |
| | | | | 127.9 | 369.0 | Amphibolite, alternating medium and fine grained, massive with minor magnetite rich zones associated with actinolite or talc. Minor quartzofeldspathic, hematite, carbonate and epidote veinlets throughout. Occasional chalcopyrite blebs occur associated with quartzofeldspathic veinlets. | | | | | |
| | | | | 369.0 | 387.5 | Magnetite (Medium) medium fine - medium grained, massive, with banded and unbanded magnetite masses and stringers together with moderate amounts tremolite - actinolite, serpentine, pyrite and minor carbonate, talc, epidote, chlorite and hematite in blebs and stringers. | | | | | |
| | | | | 387.5 | 443.0 | Amphibolite, fine - medium grain to 435.0, fine grain to 443.0. Massive with minor epidote, carbonate and hematite veinlets. | | | | | |
| | | | | 443.0 | 502.0 | Magnetite (Medium Rich) Fine - medium grain, massive with moderate carbonate, tremolite, hematite and minor talc and serpentine, with a tendency to alignment. Epidote rich carbonate zone 459.0 - 460.0, 477.0 - 478.0. Moderate hematite 457.0 - 490.0. Sugary magnetite zone with interstitial talc 480.0 - 485.0. | | | | | |
| | | | | 502.0 | 510.0 | Magnetite (Medium - Lean) fine - grained fairly massive magnetite with fair amounts of serpentine and minor talc tremolite - actinolite and hematite. | | | | | |
| | | | | 510.0 | 521.0 | Amphibolite, fine grained, massive | | | | | |



A-22375

106 (Continued)

416 QH3

33 130

| DRILL RECORD | | | | GEOLOGICAL LOG | | | GEOLOGICAL SECTION | | ASSAY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | From | To | Core Recov. | From | To | Description | Core | Sample | Sample No. | From | To | CRUDE | | | CONCENTRATE | ( -325 Mesh ) |
| | | | | | | with blebs and stringers of black iron silicates, actinolite, epidote and minor pyrite. | | | | | | | | | | |
| | | | | | | END OF HOLE | | | | | | | | | | |