Ref No 2926

DRILLING TARGET:—

REMARKS:—

| SURVEY DATA | | | ASSAY DATA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH feet | Bearing mag. | Inclin. degs. | SAMPLE No. | FROM ft. ins. | TO ft. ins. | RECOVERY ft. ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS | | | | |
| | | | 737394 | 389 | 400 | 11 | 100 | 34.3 | | | | | |
| | | | 95 | 400 | 410 | 10 | 100 | 23.0 | | | | | |
| | | | 96 | 410 | 420 | 10 | 100 | 16.1 | | | | | |
| | | | 97 | 420 | 430 | 10 | 100 | 12.8 | | | | | |
| | | | 98 | 430 | 440 | 10 | 100 | 19.7 | | | | | |
| | | | 99 | 440 | 450 | 10 | 100 | 17.8 | | | | | |
| | | | 737400 | 450 | 460 | 10 | 100 | 14.0 | | | | | |
| | | | 401 | 460 | 470 | 10 | 100 | 11.2 | | | | | |
| | | | 402 | 470 | 480 | 10 | 100 | 21.2 | | | | | |
| | | | 403 | 480 | 490 | 8'6" | 85 | 39.4 | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

GEOLOGICAL LOG Logged by:—

| FROM ft. ins. | TO ft. ins. | RECOVERY ft. ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|
| 0 | 20 | – | – | Iron ore scree and clay | | |
| 20 | 80'3" | 10'3" | 17 | Decomposed & weathered Amphibolite - OXIDIZED ZONE | | |
| 80'3" | 109'3" | 29 | 100 | Weathered Amphibolite - alternating soft and hard zones. Iron staining from 92' | | |
| 109'3" | 122 | 12'9" | 100 | Weathered Amphibolite - crumbly, sheared. Iron staining. Vughs | | |
| 122' | 138'3" | 16'3" | 100 | As above but core more solid. 127'-129' - zone of fragmentary Feldspar and clay. Back mineral present - non-magnetic - Tourmaline? | | |
| 138'3" | 150'6" | 6'3" | 51 | Weathered Amphibolite - varies from hard clay fragments to pug. Some talcose portions. Tourmaline? | | |
| 150'6" | 204'3" | 53'9" | 100 | As above - more solid. Shearing more obvious. | | |
| 204'3" | 219' | 14'9" | 100 | Tourmaline zone - from previous core to sheared grey-green amphibolite with feldspar fragments along shears | | |
| 219' | 222'3" | 3'3" | 100 | Grey-green sheared amphibolite with Feldspar fragments aligned along shear planes. | | |
| 222'3" | 237' | 12' | 81.4 | Fragmentary weathered amphibolite - iron stained. Tourmaline? Vughs present. Weathering and iron stains decrease with depth. | | |
| 237' | 242' | 5' | 100 | FAULT. Grey-green sheared amphibolite. | | |

Continued over:—

INDUSTRIAL & MINING INVESTIGATIONS PTY. LIMITED

# DIAMOND DRILL CORE RECORD No Core held

| HOLE No.:— 53 | MAP SHEET No. | DISTRICT | LOCATION OF SITE:—Northern Deposit SAVAGE RIVER |
|---|---|---|---|

AMG Co-ords. 335344 E 5408099N.

| | | |
|---|---|---|
| R.L. OF SITE:— 1230' Approx | SITE SURVEY ON MAP No.:— | CORE SIZE:— |
| BEARING OF HOLE:— West along Traverse | AIR PHOTO No.:— | COMMENCED:— 9.10.73 |
| INCLINATION OF HOLE:— 0'-600'=63° 800'=62°, 900'=61°, 1000'=60° | DRILL:— Diamond | COMPLETED:— 2.2.74 |
| CO-ORDS OF SITE:— Traverse 87, 125' East | DRILLER:— A.D.D. | FINAL DEPTH:— 1062 ft. |

Index Page:—

D.D.H. GEOLOGICAL LOG 

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| 242 | | 247'3" | | 2 | | 38.1 | Magnetite - oxidised in part - minor weathered amphibolite. | | |
| 247'3" | | 257 | | 3 | | 30.8 | Sheared and broken weathered Amphibolite. Pyrite | | |
| 257 | | 279'3" | | 20'3" | | 100 | Talcose Amphibolite - sheared. Pyrite. Occasional feldspar fragments along shear planes. | | |
| 279'3" | | 284'6" | | 5'3" | | 100 | Transition Zone | | |
| 284'6" | | 286' | | 1'6" | | 100 | Feldspar? | | |
| 286' | | 317' | | 31' | | 100 | Banded schistose amphibolite. Pyrite crystals. Occasional Magnetite e.g. 300'6"-302' with carbonate. Core altered and brecciated in part. | | |
| 317' | | 322' | | 5 | | 100 | Altered Amphibolite (mottled green to grey-black) | | |
| 322 | | 342' | | 16'3" | | 81.3 | FAULT ZONE. Serpentinised amphibolite. Pyrite. | | |
| 342' | | 345' | | 3 | | 100 | Feldspar? | | |
| 345' | | 346'9" | | 1'9" | | 100 | Altered Amphibolite. Pyrite | | |
| 346'9" | | 357'6" | | 5' | | 45.9 | Sheared Rock (as for 286'-317') Alteration - pur zones, serpentine, talc, Pyrite. | | |
| 357'6" | | 358' | | 6" | | 100 | Altered amphibolite (as for 317'-322') | | |
| 358' | | 364' | | 6' | | 100 | Sheared altered amphibolite. Pyrite. | | |
| 364'9" | | 373'3" | | 8'6" | | 100 | Sheared banded amphibolite and feldspar. Iron staining, Pyrite. | | |
| 373'3" | | 382'6" | | 5'3" | | 56.8 | Sheared altered amphibolite. Pyrite, carbonate, feldspar present. Core changing from green to grey with depth. Some pug zones. | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS |
|---|---|---|---|---|---|---|---|---|---|
| 737404 | 490 | | 590 | | 6'6" | | 65.0 | 50.2 | |
| 405 | 500 | | 510 | | 10 | | 100 | 67.7 | |
| 406 | 510 | | 520 | | 10 | | 100 | 47.1 | |
| 407 | 520 | | 530 | | 10 | | 100 | 31.7 | |
| 408 | 530 | | 540 | | 10 | | 100 | 49.3 | |
| 409 | 540 | | 550 | | 10 | | 100 | 38.7 | |
| 737410 | 550 | | 560 | | 10 | | 100 | 46.4 | |
| 411 | 560 | | 570 | | 10 | | 100 | 51.8 | |
| 412 | 570 | | 580 | | 10 | | 100 | 41.9 | |
| 413 | 580 | | 590 | | 10 | | 100 | 44.3 | |

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D.D.H. 53 GEOLOGICAL LOG 

| FROM ft. ins. | TO ft. ins. | RECOVERY ft. ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|
| 382'6" | 389'3" | 4'9" | 70.4 | FAULT ZONE - Sheared amphibolite with occasional Magnetite and Pyrite. | | |
| 389'3" | 401'6" | 12'3" | 100 | Serp. amphibolite and Magnetite. Pyrite. | | |
| 401'6" | 477'6" | 76 | 100 | Sheared serp. amphibolite with only minor Magnetite. Pyrite. Core more solid from 409'9" | | |
| 477'6" | 487' | 9'6" | 100 | Magnetite and sheared serp-amphibolite. Pyrite | | |
| 487' | 499'6" | 7'6" | 60 | Magnetite as above. | | |
| 499'6" | 512'3" | 12'9" | 100 | Magnetite - only very occasional amphibolite. Pyrite abundant. Some carbonate. Core both massive and granular. | | |
| 512'3" | 515' | 2'9" | 100 | Magnetite and serp.-amphibolite. Pyrite. | | |
| 515 | 538' | 23 | 100 | Magnetite - only minor serp-amphibolite. Pyrite, carbonate, talc present. Asbestos. | | |
| 538' | 658'9" | 120'9" | 100 | Magnetite and minor serp-amphibolite - sheared, Pyrite. Some alteration towards chloritic schist. | | |
| 658'9" | 690' | 31'3" | 100 | Serp-amphibolite and Magnetite - Pyrite, talc. | | |
| 690' | 719' | 19 | 100 | Serp-amphibolite - with only minor Magnetite. Pyrite. | | |
| 719' | 743'3" | 24'3" | 100 | As for 658'9"-690' | | |
| 743'3" | 745'3" | 2 | 100 | Magnetite - only occasional altered Amphibolite. Pyrite. | | |
| 745'3" | 756' | 10'9" | 100 | Serp Amphibolite and minor Magnetite - Pyrite, talc, Tourmaline? sheared. | | |
| 756 | 769' | 13 | 100 | Magnetite and Serp-amphibolite (sheared) Talc & Pyrite. | | |
| 769' | 845'3" | 85'3" | 100 | Magnetite - minor serp. amphibolite. Pyrite | | |
| 845'3" | 852' | 6'9" | 100 | Magnetite - minor serp. amphibolite. Pyrite. Greater shearing - core more fragmentary. | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. ins. | TO ft. ins. | RECOVERY ft. ins. | RECOVERY % | ASSAY RESULTS HCl Sol Fe % | Ni% | Ti% | P% | S% | V% |
|---|---|---|---|---|---|---|---|---|---|---|
| 737414 | 580 | 600 | 10 | 100 | 45.0 | | | | | |
| 415 | 600 | 610 | 10 | 100 | 48.5 | | | | | |
| 416 | 610 | 620 | 10 | 100 | 42.4 | | | | | |
| 417 | 620 | 630 | 10 | 100 | 48.3 | | | | | |
| 418 | 389 | 450 | 56' | 91.8 | | 0.07 | 0.17 | 0.14 | 0.23 | 0.08 |
| 419 | 450 | 510 | 60 | 100 | | 0.05 | 0.38 | 0.14 | 0.34 | 0.18 |
| 737420 | 510 | 570 | 60 | 100 | | 0.07 | 0.61 | 0.12 | 0.74 | 0.35 |
| 421 | 570 | 630 | 60 | 100 | | 0.04 | 0.80 | 0.07 | 0.32 | 0.32 |
| 740002 | 630 | 640 | 10 | 100 | 41.0 | | | | | |
| 003 | 640 | 650 | 10 | 100 | 37.0 | | | | | |

D.D.H. 53 — GEOLOGICAL LOG — Page:— 4

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| 852 | | 863'6" | | 11'6" | | 100 | Magnetite plus serp-amphibolite- Pyrite - less shearing. | | |
| 863'6" | | 867'9" | | 4'3" | | 100 | Sheared serp-amphibolite plus Magnetite - Pyrite, talc. Core brecciated in part. | | |
| 867'9" | | 889' | | 21'3" | | 100 | Magnetite plus sheared serp-amphibolite - Core fragmented, brecciated. | | |
| 889' | | 904'6" | | 5'6" | | 100 | Magnetite - only minor serp-amohibolite, Pyrite. Core similar to above but amphibolite is in more distinct zones. | | |
| 904'6" | | 910'6" | | 6' | | 100 | Sheared Serpentine with minor Magnetite along shear planes. Pyrite. Core fragmentary. | | |
| 910'6" | | 932' ) | | | | | | | |
| 932' | | 986' ) | | 60'6" | | 90.1 | Magnetite only minor serpentine. Pyrite. | | |
| 986' | | 994'3" | | 8'3" | | 100 | Magnetite plus serp-amphibolite - sheared, fragmentary. Pyrite. | | |
| 99[illegible]" | | 1004'3" | | 10 | | 100 | Serp-amphibolite - with minor Magnetite. Pyrite - in veinlets and disseminated. Brecciated zone from 1000'6"-1002'9", vughs containing $SiO_2$ | | |
| 1004'3" | | 1006'6" | | 2'3" | | 100 | Amphibolite, little shearing. Veinlets haematite. Only occasional Magnetite plus pyrite. Yellow-green in colour - Dyke. | | |
| 1006'6" | | 1010'6" | | 4' | | 100 | Serp-amphibolite - sheared. Pyrite. Occasional Magnetite blebs. | | |
| 1010'6" | | 1033' | | 22'6" | | 100 | Magnetite - only minor serp-amphibolite. Pyrite. | | |
| 1033' | | 1060' | | 27' | | 100 | Serp-amphibolite - only occasional Magnetite blebs. Pyrite. Magnetite 1040'3"-1041'6", 1058'-1060' Small flecks of Magnetite disseminated throughout core. | | |
| 1060' | | 1062' | | 2' | | 100 | Sheared Amphibolite - No Magnetite. Pyrite present. | | |
| [illegible] | | | | | | | HOLE TERMINATED 2/2/74 | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS |
|---|---|---|---|---|---|---|---|---|---|
| 740004 | 650 | | 660 | | 10 | | 100 | 39.1 | |
| 005 | 660 | | 670 | | 10 | | 100 | 25.5 | |
| 006 | 670 | | 680 | | 10 | | 100 | 31.8 | |
| 007 | 680 | | 690 | | 10 | | 100 | 31.9 | |
| 008 | 690 | | 700 | | 10 | | 100 | 15.4 | |
| 009 | 700 | | 710 | | 10 | | 100 | 18.2 | |
| 740010 | 710 | | 720 | | 10 | | 100 | 23.3 | |
| 011 | 720 | | 730 | | 10 | | 100 | 32.5 | |
| 012 | 730 | | 740 | | 10 | | 100 | 37.0 | |
| 013 | 740 | | 750 | | 10 | | 100 | 27.0 | |

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D.D.H. 53 GEOLOGICAL LOG 

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS |
|---|---|---|---|---|---|---|---|---|---|
| 740014 | 750 | | 760 | | 10 | | 100 | 30.6 | |
| 015 | 760 | | 770 | | 10 | | 100 | 39.0 | |
| 016 | 770 | | 780 | | 10 | | 100 | 47.2 | |
| 017 | 780 | | 790 | | 10 | | 100 | 45.3 | |
| 018 | 790 | | 800 | | 10 | | 100 | 50.2 | |
| 019 | 800 | | 810 | | 10 | | 100 | 47.8 | |
| 740020 | 810 | | 820 | | 10 | | 100 | 50.1 | |
| 021 | 820 | | 830 | | 10 | | 100 | 52.4 | |
| 022 | 830 | | 840 | | 10 | | 100 | 51.3 | |
| 023 | 840 | | 850 | | 10 | | 100 | 50.5 | |

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D.D.H. 53 GEOLOGICAL LOG Page:- 6

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS Ni% | Ti% | P% | S% | V% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 740024 | 850 | | 860 | | 10 | | 100 | 30.5 | | | | | |
| 025 | 860 | | 870 | | 10 | | 100 | 26.9 | | | | | |
| 026 | 870 | | 880 | | 10 | | 100 | 37.9 | | | | | |
| 027 | 880 | | 890 | | 10 | | 100 | 47.2 | | | | | |
| 028 | 890 | | 900 | | 10 | | 100 | 51.3 | | | | | |
| 029 | 900 | | 910 | | 10 | | 100 | 29.9 | | | | | |
| 740030 | 910 | | 920 | | 10 | | 100 | 42.3 | | | | | |
| 031 | 630 | | 690 | | 60 | | 100 | | 0.02 | 0.30 | 0.11 | 1.1 | 0.28 |
| 032 | 690 | | 750 | | 60 | | 100 | | 0.02 | 0.24 | 0.08 | 0.94 | 0.19 |
| 033 | 750 | | 810 | | 60 | | 100 | | 0.02 | 0.57 | 0.11 | 0.94 | 0.35 |

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D.D.H. GEOLOGICAL LOG Page:— 7

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. ins. | TO ft. ins. | RECOVERY ft. ins. | RECOVERY % | HCl Sol Fe% | ASSAY RESULTS Ni% | Ti% | P% | S% | V% |
|---|---|---|---|---|---|---|---|---|---|---|
| 740034 | 810 | 870 | 60 | 100 | | 0.02 | 0.66 | 0.11 | 0.97 | 0.35 |
| 035 | 870 | 920 | 50 | 100 | | 0.02 | 0.60 | 0.08 | 0.79 | 0 36 |
| 740335 | 920 | 930 | 8' | 80.0 | 47.1 | | | | | |
| 336 | 930 | 940 | 6' | 60.0 | 54.8 | | | | | |
| 337 | 940 | 950 | 8 | 80.0 | 43.7 | | | | | |
| 338 | 950 | 960 | 7' | 70.0 | 49.1 | | | | | |
| 339 | 960 | 970 | 8 | 80.0 | 48.7 | | | | | |
| 740340 | 970 | 980 | 6 | 60.0 | 50.3 | | | | | |
| 341 | 980 | 990 | 10 | 100 | 35.8 | | | | | |
| 342 | 990 | 1000 | 10 | 100 | 19.6 | | | | | |

D.D.H. 53 — GEOLOGICAL LOG — Page:— 8

| FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | DESCRIPTION | SECTION Core | SECTION Samp |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Continued over

ASSAY DATA

| SAMPLE No. | FROM ft. | FROM ins. | TO ft. | TO ins. | RECOVERY ft. | RECOVERY ins. | RECOVERY % | ASSAY RESULTS HCl sol Fe% | Ni% | Ti% | P% | S% | V% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 740343 | 1000 | | 1010 | | 10 | | 100 | 13.0 | | | | | |
| 344 | 1010 | | 1020 | | 10 | | 100 | 53.3 | | | | | |
| 345 | 1020 | | 1030 | | 10 | | 100 | 43.2 | | | | | |
| 346 | 920 | | 980 | | 43 | | 71.7 | | 0.13 | 1.35 | 0.11 | 0.74 | 1.9 |
| 347 | 980 | | 1030 | | 50 | | 100 | | 0.10 | 0.75 | 0.09 | 0.61 | 1.2 |

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