

DIAMOND DRILL CORE LOG

FORM 293

PROJECT/PROSPECT

Marshall's Creek

COLLAR CO-ORDS

mN

mE

RL

m

AZ

INCL

| CORE LOSS % | DEPTH (m) | SAMPLE LIMITS | UNIT INTERVAL | TEXTURE AND STRUCTURE | GRAPHICAL LOG SCALE 1:250 or 1: | PETROLOGY AND MINERALOGY | THIN, POLISHED SECTION CORE ORIENTATION XRD RQD | DESCRIPTIVE LOG (UNSCALED) |
|-------------|-----------|---------------|---------------|-----------------------|---------------------------------|---|---|---|
| | 0 | | | | | Sands, silts | | 12402 E. Begin logging at 3m. |
| | 3.0 | | | | | Scl | | Light br. to light gr sandy clays becoming more clay-rich and darker grey. |
| | 5 | 5-7 | | | | Scl-t | | 5-7 light grey clays with an foliation of carbon rich talc. Some foliation seen in schists. |
| | | | | | | | | 12.95-13 br. orange oxidized clay - from ox upper portion of hole. |
| | 13.95 | 13 | | | | | | 14.8-14.9 - leached, skeletal silica/siltstone |
| | 14.5 | | | | C.L. | Scl (broken chert) | | 14.9-15.5 broken up, partly rounded (from drilling?), dominantly angular clasts of chert. |
| | 16.5 | 16.75 | | | | Scl massive chert | | 15.5-18.75 Massive chert. Broken chert could rep. a scree above massive chert. Massive chert has preserved slump or soft sediment deformation structures from calcareous sediments below, ∴ silicification of calcareous sediments possibly at an old surface level. |
| | 20 | | | | 11° | Scl-h | | 16.75-22.2 Calcareous, thickly bedded shales interbedded with more calcareous units with inclusions of black shale. Possibly representing soft sed. deformation and slumping of thick l. grey calcareous units on top of a black silty unit. Bedding - core angle varies from 22° to subvertical. |
| | 22.2 | | | | | f. lam. sl - cbvn | | 22.2-27.7 - finely laminated limestone with cc vn. Further soft sed. deformation at 26m. |
| | 25 | | | | | bleaching of limestone cb vn cb-s-py-cb-graphitic | | 27.7-28 Massive cbvn with black shale - possible fault gauge at 30° to CA. |
| | 27.8 | 28 | | | | | | 28-28.4 Graphitic shale. |
| | 28.4 | | | | | | | 28.4-34.3 thin bedded calcareous shales - py with slaty cleavage parallel to bedding. |
| | 30 | | | | 35° | tb sh/sbs-cb Scl-h-l | | 34.3-40.3 Massive shales - py |
| | 35 | | | | | cbvn-sh-cc | | 33.7-34.3 Black shale with 5um lamini qz-cb vn at 30° to CA |
| | | | | | | tb-sh | | Upward sequence of black shales at base, becoming more calcareous, grading into a limestone with silicified chert unit on top. |



End of hole at 40.3 metres

LOGGED BY

K. Ringwood

DATE

23-11-89 HOLE NO MRLD 6

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