**McARTHUR RIVER RESOURCE DRILLING, 2008** — GEOLOGICAL LOG SHEET — GEO: Karissa Grenfell — HOLE: H15/15 — Start Date:

Collar Northing 1500 — Easting 7214.7 — RL 10029.5 — Azimuth(G) 270 — Dip -72 — Total Depth 159m — Number of pages — Finish Date:

| | | | | | | | LITHOLOGY | | | ALTERATION | | | | SULPHIDES | | FAULTING | | | | GEOTECHNICAL | | | STRUCTURE | | | | | | COMMENTS |
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| FROM | TO | INTERVAL | COL | WTH | CODE | G | LITH | TEX | DOL | VEIN | NO | CR | CO | PY | MIN | TYPE | NAME | Q | OXJ | REC% | CORE | CUT | DEPTH | BCA | A1 | OTH | D | A2 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130.69 | 130.95 | 0.26 | GY | FR | I34 | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 130.95 | 134.33 | 3.38 | BL | FR | 3UA | | HB | L | | | M | | | M | W | | | | | 100 | NQ | 1/2 | | | | | | | 2 x graded beds @ 131.13m and 131.21m separated by shale interval, min |
| 134.33 | 134.35 | 0.02 | GY | FR | 3UA | | TH | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 134.35 | 135.65 | 1.30 | GY | FR | 3UB | | H | L | | | | | | W | M | | | | | 100 | NQ | 1/2 | 135.5 | 19/088 | | | | | |
| 135.65 | 135.69 | 0.04 | GY | FR | 3MA | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 135.69 | 137.03 | 1.34 | GY | FR | 3MA | | H | L | | | W | | | M | W | | | | | 100 | NQ | 1/2 | | | | | | | |
| 137.03 | 137.07 | 0.04 | GY | FR | 3MA | | SA | B | | | | | | T | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 137.07 | 137.96 | 0.89 | GY | FR | 3MA | | H | L | | | | | | S | T | | | | | 100 | NQ | 1/2 | | 18/092 | | | | | |
| 137.96 | 138.15 | 0.19 | GY | FR | 3MB | | SL | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Graded bed at bse of split |
| 138.15 | 138.38 | 0.23 | GY | FR | 3LA | | TH | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Minor clay intervals |
| 138.38 | 139.23 | 0.85 | GY | FR | 3LA | | H | L | | | | | | W | M | | | | | 100 | NQ | 1/2 | | | | | | | |
| 139.23 | 139.27 | 0.04 | GY | FR | 3LA | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | 11 | | | | | |
| 139.27 | 139.60 | 0.33 | BL | FR | 3LA | | HB | L | | | | | | S | W | | | | | 100 | NQ | 1/2 | | | | | | | Minor tuff @ 139.57 |
| 139.60 | 139.69 | 0.09 | GY | FR | 3LA | | TH | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Minor clay on contacts |
| 139.69 | 140.31 | 0.62 | BL | FR | 3LB | | HB | L | | | | | | W | M | | | | | 100 | NQ | 1/2 | | | | | | | |
| 140.31 | 140.33 | 0.02 | GY | FR | 3LB | | TH | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 140.33 | 141.71 | 1.38 | BL | FR | 3LC | | HB | L | | | W | | | W | M | | | | | 100 | NQ | 1/2 | | | | | | | |
| 141.71 | 141.86 | 0.15 | GR | FR | 3LC | | TP | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Minor shale intervals |
| 141.86 | 144.42 | 2.56 | BL | FR | 3LC | | HB | L | | | | | | W | M | | | | | 100 | NQ | 1/2 | | | | | | | Tuff @ 144.21m |
| 144.42 | 144.47 | 0.05 | GY | FR | 3LC | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 144.47 | 144.83 | 0.36 | BL | FR | 3LC | | HB | L | | | | | | W | M | | | | | 100 | NQ | 1/2 | | | | | | | |
| 144.83 | 146.22 | 1.39 | GY | FR | I23A | | H | L | | | S | | | M | | | | | | 100 | NQ | 1/2 | | | | | | | Minor tuff @ 146.52m |
| 146.22 | 147.28 | 1.06 | GY | FR | I23A | | TP | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 147.28 | 148.48 | 1.20 | BL | FR | I23B | | HB | L | | | W | | | W | W | | | | | 100 | NQ | 1/2 | | | | | | | Minor tuffs @ 147.50m, 147.54m |
| 148.48 | 149.27 | 0.79 | GY | FR | I23C | | H | L | | | S | | | W | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 149.27 | 150.08 | 0.81 | GY | FR | I23D | | H | L | | | M | | | M | W | | | | | 100 | NQ | 1/2 | | | | | | | |
| 150.08 | 150.46 | 0.38 | GY | FR | 2A | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Repeated graded bed |
| 150.46 | 151.91 | 1.45 | BL | FR | 2B | | HB | L | | | M | | | W | W | | | | | 100 | NQ | 1/2 | | | | | | | Minor tuff at base of split |
| 151.91 | 152.78 | 0.87 | GY | FR | 2C | | H | L | | | | | | W | S | | | | | 100 | NQ | 1/2 | | | | | | | |
| 152.78 | 152.78 | 0.00 | GY | FR | 2C | | TH | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | Tuff at 152.81, soft tuff at end of split |
| 152.78 | 153.75 | 0.97 | BL | FR | 2D | | HB | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 153.75 | 154.00 | 0.25 | BL | FR | I12A | | HB | L | | | | | | M | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 154.00 | 154.51 | 0.51 | GY | FR | I12B | | SA | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 154.51 | 155.16 | 0.65 | BL | FR | I12C | | HB | L | | | | | | S | T | | | | | 100 | NQ | 1/2 | | | | | | | |
| 155.16 | 155.22 | 0.06 | GY | FR | I12C | | TP | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 155.22 | 155.43 | 0.21 | BL | FR | I12C | | H | L | | | | | | M | | | | | | 100 | NQ | 1/2 | | | | | | | |
| 155.43 | 156.01 | 0.58 | GY | FR | I12D | | SH | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | 15cm breccia at base |
| 156.01 | 158.06 | 2.05 | BL | FR | | | HB | L | | | S | | | M | | | | | | 100 | NQ | 1/2 | | | | | | | 1A |
| 158.06 | 158.55 | 0.49 | BL | FR | | | HB | L | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | 0/1 |
| 158.55 | 158.59 | 0.04 | GY | FR | | | SX | B | | | | | | | | | | | | 100 | NQ | 1/2 | | | | | | | 0/1 |
| 158.59 | 159.00 | 0.41 | BL | FR | | | HB | L | | | | | | W | | | | | | 100 | NQ | 1/2 | | | | | | | 0/1, concretions , tuff at EOH |
| EOH | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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