

borehole no:
88-40
sheet 1 of 2

engineering log —
cored borehole

File No. 02-000

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| <p>CUARIE BEAKWATER INVESTIGATION</p> <p>project: CUARIE QUARRY SITE</p> <p>borehole location: 84° NE of Sta 2 and 198° SE of Existing Boundary Fence</p> | | | <p>hole commenced: 1-9-88</p> <p>hole completed: 1-9-88</p> <p>supervised by: N JOHNSON</p> <p>log checked by: JGG</p> | | |
| <p>drill model and mounting: LONEYERA 38 slope: 57 deg.</p> <p>barrel type and length: NQTT 2.45" fluid H₂O bearing: 182, deg.</p> | | | <p>R. L. surface: 10.615 m</p> <p>datum: Driller G BAKER</p> | | |
| drilling information | | rock substance | | rock mass defects | |
| method | depth of metres | substance description | strength | defect spacing | defect description |
| AS AD R W NMLC | 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 | Granite, medium grained grey | 50 55 60 65 70 75 80 85 90 95 100 | 20-30 30-40 40-50 50-60 60-70 70-80 80-90 90-100 | 26° independent 10° 36° 30mm apart 12° 63° 30mm to 60mm apart 46° 52° independent 26° 52° 85mm apart 46° independent 26° 36° independent 75° 46° independent 15° and 17° and 27° 26° at 10mm apart |

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| <p>key</p> <p>method</p> <p>AS sugar screwing</p> <p>AD super drilling</p> <p>R roller/tricone</p> <p>W washbore</p> <p>NMLC NMLC core drilling</p> | <p>case-lift</p> <p> casing used</p> <p>— barrel withdrawn</p> <p>water</p> <p>10 Oct. 73 water level date shown</p> <p>water inflow</p> <p>partial drilling water loss</p> <p>complete drilling water loss</p> | <p>weathering</p> <p>Fr - fresh</p> <p>SW - slightly weathered</p> <p>MW - moderately weathered</p> <p>HW - highly weathered</p> <p>EW - extremely weathered</p> | <p>strength (indirect tensile strength)</p> <p>EL - extremely low</p> <p>VL - very low</p> <p>L - low</p> <p>M - medium</p> <p>H - high</p> <p>VH - very high</p> <p>EH - extremely high</p> | <p>test points</p> <p>* test points</p> <p>EL - extremely low</p> <p>VL - very low</p> <p>L - low</p> <p>M - medium</p> <p>H - high</p> <p>VH - very high</p> <p>EH - extremely high</p> |
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43 036

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sheet 2 of 2

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| drilling information | | rock substance | | rock mass defects | |
| method | depth of metres | substance description | strength | defect spacing | defect description |
| AS AD R W NMLC | 9.00 10.00 11.00 12.00 13.00 14.00 | Granite, medium-fine grained, grey | Fr | 20-30 30-40 40-50 50-60 60-70 70-80 80-90 90-100 | 46° carb. cont 46° broken cont 26° 26° independent 46° 18° with abundant 46° 36° independent 46° 45° at 15mm apart indep. 26° 26° independent 31° 46° independent 12° with carb. & quartz 46° independent 36° 5° 46° 46° |

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END OF BH 88-40
at 14.10