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# ENGINEERING BORELOG

[ FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM BQF 075:191/95 ]

|                              |
|------------------------------|
| BOREHOLE No : <u>142</u>     |
| SHEET : <u>1</u> OF <u>2</u> |
| REFERENCE No : <u>H8095</u>  |

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 4 grid ref 19581E 140050N  
 PROJECT No : MP1006 SURFACE R.L. : -5.61 DRILLER : R & D DRILLING  
 JOB No : \_\_\_\_\_ DATUM : AHD DATE DRILLED : \_\_\_\_\_

| DEPTH (m) | R.L. (m) | AUGER CORE DRILLING<br>CORE<br>CASING<br>OTHER | RQD (%)<br>CORE REC# | MATERIAL DESCRIPTION   | USC WEATHERING | INTACT STRENGTH | DEFECT SPACING (mm) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS |
|-----------|----------|--|----------------------|--|----------------|-----------------|---------------------|-------------|----------------------------------|---------------|
|           |          |  |                      |  |                |                 |                     |             |                                  |               |
| 0         | -5.61    |  |                      | SANDY SILT/SILTY SAND<br>Pale brown to grey soft/loose wet alluvium.   |                |                 |                     |             |                                  |               |
| 1         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 2         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 3         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 4         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 5         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 6         |          |  |                      | SILTY CLAY<br>Dark brown to dark grey, moist to wet, soft to firm alluvium. High organic content; high plasticity.<br>Peat bands to 10mm thick common, sandy in parts. |                |                 |                     |             |                                  |               |
| 7         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 8         |          |  |                      |  |                |                 |                     |             |                                  |               |
| 9         |          |  |                      | SANDY GRAVEL<br>Grey, moist, loose to medium dense alluvium.   |                |                 |                     |             |                                  |               |
| 10        | -15.61   |  |                      |  |                |                 |                     |             |                                  |               |

REMARKS : \_\_\_\_\_

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# ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 142  
 SHEET : 2 OF 2  
 REFERENCE No : H8095

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 4 grid ref 19581E 140050N  
 PROJECT No : MP1006 SURFACE R.L. : -5.61 DRILLER : R & D DRILLING  
 JOB No : \_\_\_\_\_ DATUM : AHD DATE DRILLED : \_\_\_\_\_

| DEPTH (m) | R.L. (m) | ALGER CORE DRILLING CASING OTHER | RQD (%) | CORE REC% | SAMPLE | MATERIAL DESCRIPTION   | USC WEATHERING | INTACT STRENGTH |    |   |   | DEFECT SPACING (mm) | GRAPHIC LOG    | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS |
|-----------|----------|----------------------------------|---------|-----------|--------|--|----------------|-----------------|----|---|---|---------------------|----------------|----------------------------------|---------------|
|           |          |                                  |         |           |        |  |                | EH              | VH | H | M |                     |                |                                  |               |
| 10        | -15.61   |                                  |         |           |        | Cont'd   | GW             |                 |    |   |   |                     |                |                                  |               |
| 11        | -16.61   |                                  |         |           |        | INTERBEDDED ARGILLITE/GREYWACKE GREY TO BLUE GREY, FINE TO MEDIUM GRAINED BEDDED METASEDIMENTARY ROCK. STEEP BEDDING (60-80 DEGREES).<br><br>Minor ironstaining mainly along defects. Some defects thinly clay coated. Defects - multidirectional. | HW             |                 |    |   |   |                     |                |                                  |               |
| 12        | -17.11   |                                  |         |           | 100    |  |                |                 |    |   |   |                     | Is(50)=2.90MPa | x                                |               |
|           |          |                                  |         |           | 100    |  |                |                 |    |   |   | Is(50)=3.25MPa      | x              | Highly fractured zone            |               |
| 13        |          |                                  |         |           | 100    |  |                |                 |    |   |   | Is(50)=3.36MPa      | x              |                                  |               |
| 14        |          |                                  |         |           | 100    |  |                |                 |    |   |   |                     |                |                                  |               |
|           |          |                                  |         |           | 100    |  |                |                 |    |   |   |                     |                |                                  |               |
| 15        |          |                                  |         |           | 100    |  |                |                 |    |   |   |                     |                |                                  |               |
|           |          |                                  |         |           | 100    |  |                |                 |    |   |   | Is(50)=4.99MPa      | x              |                                  |               |
| 16        |          |                                  |         |           | 100    |  |                |                 |    |   |   | Is(50)=4.62MPa      | x              |                                  |               |
|           |          |                                  |         |           | 100    |  |                |                 |    |   |   |                     |                | Highly fractured zone            |               |
| 17        | -22.33   |                                  |         |           | 100    | END OF HOLE  |                |                 |    |   |   |                     |                |                                  |               |
| 18        |          |                                  |         |           |        |  |                |                 |    |   |   |                     |                |                                  |               |
| 19        |          |                                  |         |           |        |  |                |                 |    |   |   |                     |                |                                  |               |
| 20        |          |                                  |         |           |        |  |                |                 |    |   |   |                     |                |                                  |               |

REMARKS : \_\_\_\_\_

LOGGED BY

PACIFIC MOTORWAY  
LOGAN RIVER BRIDGES

HOLE 142  
START 11.52  
END 16.72

H 8095  
1 OF 1  
SEP 1997

MP1006

