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**Queensland
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**GEOTECHNICAL
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH105**

Sheet 1 of 2

REFERENCE No **H13097**

| | | | |
|------------|-------------------------------------|-------------------------------------|---------------------------|
| PROJECT | Bohle River pedestrian/cycle bridge | | |
| LOCATION | off Woolcock St, East side of pond | COORDINATES 469331.6 E; 7870067.9 N | |
| PROJECT No | FG6560 | SURFACE RL 5.77m | PLUNGE 90° |
| | | | DATE STARTED 20/03/2018 |
| | | | GRID DATUM 55K |
| JOB No | 268/10M/908 | HEIGHT DATUM AHD | BEARING ° |
| | | | DATE COMPLETED 21/03/2018 |
| | | | DRILLER Saxon / Jez |

| DEPTH (m) | R.L. (m) | AUGER CASING WASH BORING CORE DRILLING | RQD (%) CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USCS WEATHERING | INTACT STRENGTH | DEFECT SPACING | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS | | |
|-----------|----------|--|-----------------------|--------|--|-----------|-----------------|-----------------|----------------|--|---------------|----|----|
| | | | | | | | | | | | | EH | VH |
| 5.52 | | | | | CLAY (Topsoil) dark grey, organic | (CL) | | | | | | | |
| 1 | | | | A | Clayey SAND (Alluvium) yellow-brown, moist, dense, fine grained. Low plasticity fines. | | | | | 3, 14, 30 N=44 | SPT | | |
| 2 | | | | B | From 2.0m: Becoming pale yellow-grey, moist to wet, medium dense, fine grained. low plasticity fines. | | | | | 20/03/2018 11, 12, 13 N=25 LL=28% PI= 4% MC=18.5% LS= 4% <75µm= 30% | SPT | | |
| 3 | | | | | | (SC) | | | | | | | |
| 4 | | | | C | From 4.1m: Becoming pale yellow-grey, moist, dense, fine to coarse grained. Trace of medium to coarse gravel. | | | | | 14, 21, 25 N=46 | SPT | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | D | From 5.5m: Becoming medium dense. | | | | | 7, 10, 13 N=23 | SPT | | |
| 7 | | | | | | | | | | | | | |
| 8 | -1.53 | | | E | Gravelly CLAY (Alluvium) pale grey, moist, very stiff, low plasticity. Gravel is fine to medium grained, subangular, dark grey, white and orange. | (CL) | | | | 10, 14, 15 N=29 | SPT | | |
| 9 | -2.03 | | | F | CLAY (Residual) yellow mottled grey, dry to moist, very stiff, low plasticity. With fine sand. | (CL) | | | | 4, 8, 12 N=20 LL=51% PI= 21% MC=27.2% LS= 13% <75µm= 68% | SPT | | |
| 9 | -4.23 | | | | | | | | | | | | |

Continued on next sheet

REMARKS:

| LOGGED BY | REVIEWED BY |
|-----------|-------------|
| Kay Want | S. Foley |



**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH105**

Sheet 2 of 2

REFERENCE No **H13097**

| | | | |
|------------|-------------------------------------|-------------------------------------|---------------------------|
| PROJECT | Bohle River pedestrian/cycle bridge | | |
| LOCATION | off Woolcock St, East side of pond | COORDINATES 469331.6 E; 7870067.9 N | |
| PROJECT No | FG6560 | SURFACE RL 5.77m | PLUNGE 90° |
| | | | DATE STARTED 20/03/2018 |
| | | | GRID DATUM 55K |
| JOB No | 268/10M/908 | HEIGHT DATUM AHD | BEARING ° |
| | | | DATE COMPLETED 21/03/2018 |
| | | | DRILLER Saxon / Jez |

| DEPTH (m) | R.L. (m) | FAUGER CASING WASH BORING CORE DRILLING | RQD (%) CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USCS WEATHERING | INTACT STRENGTH | DEFECT SPACING | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS | | |
|-----------|----------|--|-----------------------|--------|--|-----------|-----------------|-----------------|----------------|----------------------------------|---------------|----|----|
| | | | | | | | | | | | | EH | VH |
| 11 | | | | G | Brecciated Dacite XW: recovered as CLAY (CL), yellow mottled grey, dry to moist, very stiff, low plasticity. With thin bands of HW rock (dark grey, angular, fine to medium gravel-sized pieces). Increasing rock content with depth. | XW | | | | 8, 10, 12 N=22 | SPT | | |
| 12 | | | | H | | | | | | 22, 36/150mm | SPT | | |
| 13 | | | | I | | | | | | 30/110mm | SPT | | |
| 14 | -8.23 | | (31) | | Brecciated DACITE MW: brown-grey, fine grained with medium to coarse phenocrysts, porphyritic, mainly high to very high strength. Intact microfractures present throughout. -Js: 15°-30° (4-6/m), Pl/Ro, some Cly Vr, some FeSt -Js: 35°-50° (1-3/m), Pl/Ro, some Cly Vr, some FeSt | HW | | | | 14.51m: Cly infill, 8mm | D (14.28m) | | |
| 15 | | | 92 (47) | | | | | | | | | | |
| 15 | | | 100 (76) | | | | | | | | | | |
| 16 | | | 100 (22) | | | | | | | | | | |
| 16 | | | 100 (38) | | | MW | | | | | | | |
| 17 | | | 100 (52) | | | | | | | | | | |
| 18 | | | 100 (48) | | | | | | | | | | |
| 18 | | | 100 (0) | | | | | | | | | | |
| 19 | -13.23 | | 83 | | | | | | | 18.30m: Cly infilled J's | D (18.20m) | | |
| 19 | | | | | Borehole completed at 19.00m | | | | | | | | |

REMARKS:

| LOGGED BY | REVIEWED BY |
|-----------|-------------|
| Kay Want | S. Foley |

| | | | |
|--------------|---|------------------|------------|
| Project Name | Bohle River Pedestrian/Cycle Path – Geotechnical Investigation | | |
| Project No. | FG6560 | Date | March 2018 |
| Borehole No. | BH105 | Reference No. | |
| Location | SE of pond | Start Depth (m) | 14.0 |
| Submitted By | K. Want | Finish Depth (m) | 19.0 |

