TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. BSD12
sheet 1 of

project NSCP location Grasses Slip.

co-ordinates
R.L.
inclination
bearing

drill type
drill method
drill fluid

hole commenced 24·10·85
hole completed 30·10·85
drilled by GB
logged by MLT
checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa (25 50 100 200 400) | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1·0 | | | CORE LOSS | | | | |
| | | | | | | CL | sandy CLAY: low p., red-brown soil, sand v. to ext. w. TK. | | | | |
| | | | | 2·0 | | | CORE LOSS | | | | |
| | | | | | | TK | BASALT: highly weathered, grey, vesicular. Cobbles to 30— dia. Some CL: sandy GRAVEL - basaltic | | | | Basalt gravel? |
| | | | | 3·0 | | | CORE LOSS | | | | |
| | | | | 4·0 | | TK | BASALT: slightly weathered, grey, abundant vesicles, white infilling. Cobbles basalt to 30— | | | | } gravel? |
| | | | | | | | CORE LOSS | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSDH2
sheet 2 of

project NSCP location

co-ordinates
R.L.
inclination
bearing

drill type
drill method
drill fluid

hole commenced
hole completed
drilled by GB
logged by
checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L. / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa 25 50 100 200 400 | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CORE LOSS | | | | |
| | | | | 6.0 | | GC | sandy clayey GRAVEL : cobbles to 50 mm, EW to Fresh BASALT. Clays red, brown. Sand probably basalt derived, weathered (EW) in-situ. Some fresh basalt cobbles | | | | |
| | | | Sieving & Att. | 7.0 | | | | | | | Sieving revealed 1-2% quartz sand, indicating the a coarse conglomerate rather than basalt flow |
| | | | | 8.0 | | | | | | | |
| | | | | | | Tb | BASALT : fresh, moderately vesicular, SW to MW cobbles at CORE LOSS | | | | |
| | | | | 9.0 | | | | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSBH2
sheet 3 of

project | location Groom's Slip

co-ordinates | drill type | hole commenced
R.L. | drill method | hole completed
inclination | drill fluid | drilled by
bearing | | logged by
| | checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L. / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa (25 50 100 200 400) | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 11.0 | | | CORE LOSS | | | | |
| | | | | | | TB | BASALT, as above. Large vesicles at base. Fresh TB | | | | |
| | | | | 12.0 | | | CORE LOSS | | | | |
| | | | | | | TB | BASALT: HW to fresh rock. Also 30 mm CH-GC gravelly CLAY – bp, brown, & coarse sand – fine gravel of HW-TB | | | | |
| | | | | 13.0 | | | CORE LOSS | | | | |
| | | | | 14.0 | | | as above | | | | |
| | | | | | | CH | CLAY: m-p- grey at top, brown under – rhythmic. | | | | |
| | | | | | | GC | crazy GRAVEL: well rounded chert, lithic fragments to 15 — sleigh | | | | |
| | | | | | | | CORE LOSS (sand) | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSDH2
sheet 4 of

project | location

co-ordinates | drill type | hole commenced
R.L. | drill method | hole completed
inclination | | drilled by
bearing | drill fluid | logged by
| | checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa 25 50 100 200 400 | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 16.0 | | | CORE LOSS | | | | |
| | | | | | | GP | GRAVEL; well rounded chert, spilite & altered Th. To 25 mm. Large boulders spilite over more GP, then | | | | |
| | | | Palaeo Soil | 17.0 | | SC | Clayey SAND; fine, white-green, abundant wood fragments and some rhellsomoulds. | | | | -32.6m AHD marine Tert perhaps E Miocene |
| | | | | | | | SPILITE — HW. | | | | |
| | | | | 18.0 | | | | | | | |
| | | | | 19.0 | | | | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSDH2
sheet 5 of

project | location

co-ordinates | drill type | hole commenced
drill method | hole completed
R.L. | drilled by
inclination | drill fluid | logged by
bearing | checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L. / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa (25 50 100 200 400) | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 21.0 | | | as above | | | | |
| | | | | 22.0 | | | moderately weathered | | | | |
| | | | | 23.0 | | | | | | | |
| | | | | 24.0 | | | slightly weathered | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. BSDH2
sheet 1 of

project | location

co-ordinates | drill type | hole commenced
drill method | hole completed
R.L. | drilled by
inclination | drill fluid | logged by
bearing | checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa (25 50 100 200 400) | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 26.0 | | | as above, firm | | | | |
| | | | | 27.0 | | | | | | | |
| | | | | 28.0 | | | | | | | |
| | | | | 29.0 | | | | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSD 12
sheet 1 of

project | location

co-ordinates | drill type | hole commenced
drill method | hole completed
R.L. | drilled by
inclination | drill fluid | logged by
bearing | checked by

| penetration 1 2 3 | support | water | notes samples, tests | metres R.L. / depth | graphic log | classification symbol | material: soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa 25 50 100 200 400 | structure, geology |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 31.0 | | | | | | | |
| | | | | 32.0 | | | as above. | | | | |
| | | | | 33.0 | | | | | | | |
| | | | | 34.0 | | | | | | | |

TASMANIA DEPARTMENT OF MINES

# ENGINEERING LOG – BOREHOLE

borehole no. GSDH 2

sheet 8 of

project | location

co-ordinates | drill type | hole commenced

R.L. | drill method | hole completed

inclination | drill fluid | drilled by

bearing | | logged by

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| penetration 1 2 3 | support | water | notes samples, tests | metres R.L. / depth | graphic log | classification symbol | material — soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency density index | hand penetrometer kPa (25 50 100 200 400) | structure, geology |
| | | | | 36.0 | | | | | | | |
| | | | | 37.0 | | | END OF HOLE | | | | |