




REF NO 18291
 QUAD 82 ACC 1
 MAP SHEET 83/22 PURO
 E = 525855
 file: N = 5252500





borehole no: 5
 sheet 1 of 2

Elizabeth Maria Collage
 location: As per aerial photo

hole commenced: 16/7/76
 hole completed: 20/7/76
 supervised by: M.C.W
 log checked by:

drill model and mounting: Mindrill F20 C slope: Vert deg. R.L. surface: m
 drill diameter: N.Q. mm bearing: deg. datum: operator: S.Wanker

| penetration 123 | support water | notes samples, tests, etc. | R.L. depth metres | graphic log | classification symbol | material soil type: plasticity or particle characteristics, colour, secondary and minor components. | moisture condition | consistency, rel. density | 100 kPa hand penetro- meter | structure and additional observations |
|--------------------|------------------|----------------------------------|----------------------|--|--------------------------|---|-----------------------|------------------------------|---|--|
| | | | |  | | FILL | M | | | |
| | | N(3,3,5) = 8 | 1 |  | CL | CLAY sandy brown | St | | | contains rounded siltstone pebbles |
| | | N(2,8,16) = 24 | 2 |  | | | M, VSt | | | |
| | | | 3 | | | Continued on Sheet 2 | | | | |

| | | | | |
|---|---|--|--|--|
| key method AS auger screwing* AD auger drilling* R roller/tricone W washbore CT cable tool * bit shown by suffix: B - blank bit V - "V" bit T - TC bit e.g. ADT | support C casing M mud penetration 123 no resistance  ranging to refusal water  10 Oct, 73 water level on date shown  water inflow  water outflow | notes - samples and tests U50 - undisturbed sample 50 mm diameter D - disturbed sample N - standard penetration test: figure = result N* - SPT + sample Nc - cone penetrometer | classification symbols and soil description based on unified classification system moisture D - dry M - moist W - wet | consistency/relative density VS - very soft S - soft F - firm St - stiff VSt - very stiff H - hard Fb - friable VL - very loose L - loose MD - moderately dense D - dense VD - very dense |
|---|---|--|--|--|

21 201

File No.

Elizabeth Matric College
 hole location: As per aerial photo

hole commenced: 16/7/76
 hole completed:
 supervised by: M.C.W.
 log checked by:

model and mounting: Mindrill F20 C slope: Vert deg.
 type and length: NQ fluid water bearing: deg.

R. L. surface: m
 datum: Driller SWanker

| drilling information | | rock substance | | | rock mass defects | | |
|----------------------|--------------------------|--|------------|---------------------|-------------------------|---|--|
| depth metres | graphic log core loss | substance description rock type: grain characteristics, colour, structure, minor components. | weathering | strength Is (50) | defect spacing mm | defect description thickness, type, inclination, planarity, roughness, coating. particular general | |
| 3.0 | | | | | | | |
| 4 | | CONGLOMERATE yellow/brown clay matrix | H.W | | | | |
| 5 | | orange clay matrix | | | | | |
| 6 | | SILTSTONE red mottled | H.W | | | | |
| 7 | | SANDSTONE very fine grained red/pink | H.W | | | Bedding planes = 30° | |
| 8 | | pink | | | | | |
| 9 | | | | | | | |
| 10 | | red/brown | | | | | |
| 10.86 | | Terminating Depth 10.86 | | | | | |

N(17,50)
 2100

50%
 recovery

W.L: 30/7/76

100%
 recovery

10.86 Terminating Depth 10.86

| | | | | |
|--|--|--|--|---|
| key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling | case-lift casing used H barrel withdrawn water 10 Oct. 73 water level date shown water inflow partial drilling water loss complete drilling water loss | graphic log/core loss } core recovered (hatching indi- cates material) } no core recovered | weathering Fr - fresh SW - slightly weathered MW - moderately weathered HW - highly weathered EW - extremely weathered | strength (indirect tensile strength) EL - extremely low VL - very low L - low M - medium H - high VH - very high EH - extremely high |
|--|--|--|--|---|

21 202