

**UNPUBLISHED REPORT 1965/28**

**Proline auger drilling on proposed industrial site at George Town**

*by W. L. Matthews*

Nine auger holes were drilled on a proposed industrial site at George Town. Holes 1A, 2A, 2 and 3 were extended as far as the proline could drill.

As the holes are not cased, there is a certain amount of contamination of samples from upper levels.

Much of the blue-grey to greenish clay is probably weathered basalt.

**Hole 1A**

- 0' - 3' Grey sand
- 3' - 6' Brown sand (iron and/or organic staining)
- 6' - 9' Sand with some plastic clay
- 9' - 12' Sand and blue plastic clay
- 12' - 15' Blue clay with probable basalt fragments
- 15' - 19'6" Weathered basalt

Water table at 2 feet below surface

**Hole 2A**

- 0' - 3' Grey sand
- 3' - 6' Compacted brown sand
- 6' - 9' Sand
- 9' - 12' Sand and sandy clay
- 12' - 15' Blue clayey sand and sandy clay
- 15' - 18' Some sandy clay
- 18' - 24' Blue green clay (probable weathered basalt)
- 24' - 27' Probable weathered basalt

Water table at 1 foot 3 inches

**Hole 2**

- 0' - 3' Grey sand
- 3' - 6' Hard brown sand
- 6' - 9' Dark grey sandy clay
- 9' - 12' Light brown-orange clay
- 12 - 15' Brown clay with basalt fragments

Water table at 1 foot 6 inches

**Hole 3**

- 0' - 3' Sand and brown sandy clay
- 3' - 6' Brown clay
- 6' - 9' Brown clay with limonite fragments
- 9' - 15' Blue clay (probable weathered basalt)
- 15' - 17' Weathered basalt with some unweathered centres

Water table at 6 feet 6 inches

**Hole 4**

0' - 3' Sand  
3' - 6' Compact limonite-cemented brown sand  
6' - 9' Blue clayey sand and blue clay  
9' - 12' Blue clay  
12' - 18' Blue clay with basalt fragments towards end

Water table at 1 foot

**Hole 5**

0' - 6' Brown sand  
6' - 12' Grey clayey sand  
12' - 18' Blue-grey clay

Water table at 4 feet

**Hole 6**

0' - 3' Light grey-brown sand  
3' - 6' Grey-blue clayey sand  
6' - 9' Grey sand, some clay  
9' - 21' Clayey gravel, becoming coarser with depth

Water table at 2 feet

**Hole 7**

0' - 3' Grey sand  
3' - 9' Soft brown sand  
9' - 15' Brown to grey clay  
15' - 21' Clay with weathered basalt fragments

Water table at 2 feet 6 inches

**Hole 8**

0' - 6' Soft brown sand  
6' - 12' Clayey brown sand  
12' - 21' Sandy clay and clayey sand (blue-grey)

Water table at 8 inches.

*[6 December 1965]*