

UR1960/1-7

(1)

LOG OF BORES - GOLIATH CEMENT WORKS - HAMILTONBore 1/60 - A200

Core Recov.	From	To	Description
2'4"	0	12'	5" Mottled yellow/pink clay 5"-12' mottled white/pink/yellow powdering and silty clay.
1'8"	12'	15'	Pink - white powdering and silty clay.
3'7"	15'	20'	Clay - pink mottled yellow and white powdering when dry.
1'8"	20'	25'	Pink and yellow clay.
4'4"	25'	30'	Pink and yellow clay - very occasional quartz pebble (recovery uncertain due to sliding of clay)
1'8"	30'	35'	Powdery yellow/pink clay and some small grit size quartz particles.
1'10"	35'	40'	Ditto - no pebbles seen.
1'5"	40'	45'	Ditto - occasional sharp quartz. fragments
1'1"	45'	50'	Yellow clay and very occasional small quartz - limonite pebbles.
1'10"	50'	55'	Yellow/brown clay - occasional hard particles of silty material coated with limonite.
No core	55'	56'	
5"	56'	58'	Material recovered consists of a mass of grit size particles mostly quartz and mostly angular, some limonite and at least one small rounded piece of pink quartzite (probably Owen)
6"	58'	60'	Yellow clay - one 1" pebble of pink quartzite at beginning of run - possibly caving.
3'4"	60'	70'?	(footage marker numbered 60' - probably in error). Yellow powdery clay - no pebbles seen
No core	70'?	75'	
3"	75'	80'	Yellow clay with chips of hard limonite material.
1'10"	80'	85'	Yellow clay one pebble at beginning of run - probably caving.
1'2"	85'	90'	Yellow clay and patches of hard black limonitic material (lateritic?) especially at beginning of run.
1'4"	90'	95'	Yellow clay.
2'	95'	100'	Darker yellow/brown silty clay.

Core Recov.	From	To	Description
3"	100'	120'	Yellow Clay - Black. Manganiferous and limonitic patches. <u>Note</u> Driller reported that rods "washed" down 10' at this point about 12" of sandy material placed elsewhere in box is alleged to have been recovered here.
2"	120'	125'	A few pieces of yellow clay.
3'	125'	130'	Yellow clay - no pebbles seen.
	130'	135'	Darker clay and one angular quartz fragment coated - black limonite material.
No. core	135'	139'4"	Driller reports - Hit Limestone at 139'4"
4"	139'4"	140'	Chips of calcite and weathered limestone.
8"	140'	142'	Grey slightly weathered limestone - weathered joints.
1'4"	142'	143'6"	Stylolitic limestone and some irregular calcite veins - solution weathered face or core at 142' - stylolitic and shearing at 130° to core.
6"	143'6"	145'	Sheared and weathered limestone hole appears to be running alongside a solution opening.
3"	145'	147'6"	Chips of both fresh and weathered limestone and calcite.

END OF HOLE

Bore 2/60 - F100

Core Recov.	From	To	Description
5"	0	4'	- Soil - pebbles and organic material
full core	4'	6'	Mottled yellow/brown clay - quartz pebbles occasionally.
2"	6'	7'	Pebbles of pink quartzite.
2'6"	7'	10'	Mottled brown/yellow clay and quartzite pebbles
6"	10'	13'6"	1" clay - remainder quartz pebbles and one ferruginous siltstone pebble.
1'10"	13'6"	20'	Yellow/brown clay and occasional quartz pebbles.
1'6"	20'	25'	Sandy clay at first - then rounded grit size particles of quartz and ferruginous material in a clay material (similar to 56-58' in hole 60), but 6' higher.

Core Recov.	From	To	Description
1'4"	25'	30'	Yellow clay.
1' 9" 10"	30' 35' 36'?	35' 36' 36'	ditto - one quartzite pebble. Mottled yellow/pink clay Redrilled? - yellow silty clay - pebbles of ferruginous sandstone and pink quartzite.
3"	36'	37'	Rounded quartzite pebbles and some yellow clay.
No core	37'	50'	- Driller reports 'River Wash' from 38'7".
1'1"	50'	55'	Yellow clay - no pebbles seen.
2'4"	55'	60'	(Recovery as a sludge and probably unreliable) - yellow clay.
1'1'	60'	65'	Brown/yellow clay.
1'8"	65'	70'	ditto - no pebbles seen
1'3"	70'	75'	" "
1'2"	75'	80'	" "
1'	80'	85'	Brown clay "
1'	85'	90'	" "
1'2"	90'	95'	Brown/yellow clay, no pebbles seen
2'	95'	100'	Brown clay "
1'5"	100'	105'	" "
2'8"	105'	110'	" "
1'2"	110'	115'	" "
1'7"	115'	120'	" "
1'5"	120'	125'	" "
1'2"	125'	130'	" "
1'11"	130'	135'	" "
6"	135'	138'	Yellow clay.
4"	138'	138'6"	Weathered limestone.
Full core	138'6"	139'	Broken weathered limestone.
2'1"	139'	143'7"	Weathered limestone to about 140' - remainder fresh blue limestone - calcite veining stylotite dip at 120° to core
2'3"	143'7"	146'10"	Solid blue stylolitic limestone occasional calcite veins.

Core Recov.	From	To	Description
3'5"	146'10"	150'8"	Solid blue stylolitic limestone and occasional calcite veins.
2'4"	150'8"	153'3"	ditto - 1" calcite veins at 151'6" and 152'6" dipping about 15° to core - remainder of veins are irregular.

END OF HOLE

Bore 3/60 - C80

Core Recov.	From	To	Description
Full Core	0'	5'	Yellow/brown clayey soil - surface pebbles of Ozitic limonite.
1'2"	5'	7'	Ditto.
Nil	7'	13'8"	No core.
1'	13'8"	20'	Mottled yellow/brown clay containing rounded pebbles as above.
3"	20'	25'	Rounded quartzite and limonite pebbles then chips of white clay - red mottling. Some limonite fragments
10"	25'	30'	(2" yellow/brown clay- probably displaced in bore) remainder white clay - red mottling pebbles pressed into side of core probably on removal from core barrel.
8"	30'	31'	White clay containing rounded pebbles of chocolate limonitic siltstone (very hard).
Full Core	31'	35'	White clay - some pieces of core contain abundant weathered pebbles and other fresh rounded quartzite pebbles about pea size and occasional sharp angular grit size quartz particles - remainder pure white clay.
1'2"	35'	40'	White clay - pebbles of weathered rounded, pink quartzite (Owen?)
3'4"	40'	45'	ditto
1'11"	45'	50'	ditto
2'	50'	55'	White clay - no pebbles seen.
1'7"	55'	60'	" "
2'1"	60'	65'	" and weathered pebbles - small fresh quartz pebbles.
2'3"	65'	70'	White clay and occasional pebbles of pink and white quartzite.
2'6"	70'	75'	White clay occasional small quartzite pebbles.

Core Recov.	From	To	Description
1'5"	75'	80'	White clay occasional small quartzite pebbles
1'7"	80'	85'	White clay no pebbles seen
1'6"	85'	90'	Ditto "
1'8"	90'	95'	White clay - pebbles quartz and quartzite.
3"	95'	105'	Yellow/white clay - one quartz pebble.
10"	105'	110'	Off white clay - no pebbles seen
1"	110'	115'	" "
15"	115'	120'	Off white clay/yellow "
1'2"	120'	125'	Ditto
5"	125'	130'	" + pebble of pink quartzite - rounded.
6"	130'	135'	Off white/yellow clay - a few limonitic fragments.
1"	135'	140'	A few limonite fragments.
3"	140'	145'	Limonite fragments and yellow clay.
8"	145'	150'	Pale yellow clay.
1"	150'	151'5"	Limonite
9"	151'5"	160'	3" limonite fragments rest pale yellow clay. Hole cemented and redrilled from 150'.
3"	150'	155'	Limonite fragments and some yellow clay
4"	155'	160'	Ditto.
7"	160'	165'	Yellow clay - no pebbles.
6"	165'	170'	Broken fragments of limonite and some yellow clay.
2"	170'	174'	Limonite fragments (caving?).
6"	174'	180'	Limestone - Broken - slightly weathered.
5"	180'	181'8"	Weathered limestone- driller reports 'Ironstone caving from side of hole'.
-	181'8"	188'	Cavity
2"	188'	189'	Broken fragments of limestone and limonite.
6"	189'	196'9"	Broken limestone.
5"	196'9"	202'	A few pebbles of limonite (probably caving) rest. broken limestone.
6"	202'	205'	Broken limestone and limonite

Core Recov.	From	To	Description
			pebbles at beginning of run (probably caving).
9"	205'	208'5"	Broken but fresh stylolitic limestone.
6"	208'5"	212'	Ditto
1'4"	212'	215'	Ditto

Note

Recovery about 15% in limestone.

END OF HOLE

Core 4/60 - C200

Core Recov.	From	To	Description
1'8"	0	2'6"	Yellow Clay - surface pebbles and organic material.
1'4"	2'6"	5'	Yellow clay and limonite and quartz pebbles.
1'6"	5'	7'6"	Yellow/red mottled clay - quartz and limonite pebbles and chips.
10"	7'6"	10'	Pink/yellow clay.
3'9"	10'	15'	Mottled yellow/white/pink clay - occasional small rounded quartz pebbles.
1'6"	15'	20'	(core sludged) A little yellow clay - some sandy material - angular - 1" limonite pebbles.
1'9"	20'	25'	Pink clay - limonite pebbles.
1'5"	25'	30'	A little yellow clay remainder sub-angular limonite pebbles $\frac{3}{4}$ ".
1'	30'	40'	A little yellow clay remainder cellular limonite material - possibly a lateritic.
9"	40'	45'	Yellow clay + limonite pieces.
1'	45'	50'	" "
7"	50'	54'9"	Limonite chips - 4" (caving?) 3" yellow clay at end of run.
3"	54'9"	55'	Yellow clay and limonite chips (caving)?
Nil	55'	60'	No core
1'3"	60'	65'	Yellow clay.
1'	65'	70'	Mottled yellow/brown/red clay.

Core recov.	From	To	Description
10"	70'	75'	Mottled yellow/brown/red clay.
6"	75'	80'	Yellow/brown clay.
8"	80'	85'	Yellow/brown clay - core partly coated and ground up limonite sand - probably from natural caving into hole.
4"	85'	90'	Quartz pebble at beginning of rim (probably caved) remainder yellow/brown clay containing quartz pebbles.
6"	90'	95'	Finely banded yellow/red/black clay - probably decomposed limestone.
7"	95'	100'	Ditto
12"	100'	105'	No core
8"	105'	106'	Yellow clay - quartz fragments.
9"	106'	110'	7" yellow clay - quartz fragments last 2" banded clay as above.
4"	110'	115'	Speckled brown/yellow/black clay - some small limonite concretions - probably weathered limestone.
2"	115'	120'	Yellow/brown clay. No pebbles seen.
4"	120'	125'	Clayey limonite concretions probably from weathered limestone.
'	125'	133'2"	Driller reports "Cavity from 131' - 133' above limestone". Limestone 133' to 133'2". Core - 10" yellow/brown clay 2" of chips of limestone.
all core	133'2"	135'	Grey/blue stylolitic limestone rough cleavage - stylolitic at 125' to core. Occasional fine calcite veins.
11"	135'	136'8"	Cavity
1/2"	136'8"	137'	Weathered limestone.
11"	137'	138'2"	Cavity.
1'3"	138'2"	139'8"	2" weathered limestone. 13" fresh limestone (as above).
11"	139'8"	141'1"	Cavity.
'	141'1"	142'1"	1" Weathered limestone remainder fresh limestone (as above).

END OF HOLE