

DRILL RUNS FOR DRILLHOLE 70-6

Run	Recovery (m)	Character
Box 1 5.18-13.87 m (17'-45½')	H.S. Bostock Core Library Number 4219 (000763), Section 24	

Note: Almost all core in Box 1 is a jumble of angular fragments with sections of only 30 cm or so fitting together. No effort was made to fit most of it together, so that core recoveries and their intervals are only rough estimates.

5.18-6.71	(17'-22')	0.71	maximum length 12 cm for single piece
6.71-7.92	(22'-26')	1.10	max 16 cm
7.92-9.14	(26'-30')	1.11	max 8 cm
9.14-10.52	(30'-34½')	0.94	max 10 cm
10.52-11.58	(34½'-38')	0.24	max 4 cm, mostly rounded rubble
11.58-12.50	(38'-41')	0.45	max 9 cm, no fits
12.50-13.26	(41'-43½')	0.53	max 9 cm, no fits
13.26-13.87	(43½'-45½')	0.52	max 12 cm, no fits
		5.60	

Box 2 13.87-20.73 m (45½'-68') H.S. Bostock C.L.N. 4220 (000764), Section 24

13.87-14.63	(45½'-48')	0.36	max 8 cm for single piece, fit in lowest 17 cm
14.63-15.39	(48'-50½')	0.70	max 6½ cm, no fits
15.39-16.15	(50½'-53')	0.70	max 9 cm, no fits
16.15-16.46	(53'-54')	0.22	max 7 cm, no fits
16.46-16.61	(54'-54½')	0.04	max 4 cm, no fits
16.61-17.07	(54½'-56')	0.45	max 8 cm, no fits
17.07-17.22	(56'-56½')	0.16	max 8 cm, no fits
17.22-18.75	(56½'-61½')	1.52	max 22 cm, most fit
18.75-20.42	(61½'-67')	1.52	max 16 cm, almost all fit
		5.67	

Box 3 20.73-28.04 m (68'-92') H.S. Bostock C.L.N. 4221 (000765), Section 24

20.42-21.95	(67'-72')	1.52	max 23 cm for single piece, most fit except for highest 25 cm
21.95-23.16	(72'-76')	1.09	max 15 cm, all fit
23.16-24.08	(76'-79')	0.77	max 12 cm, fit only in highest 20 cm
24.08-24.38	(79'-80')	0.29	max 11 cm, all fit
24.38-25.45	(80'-83½')	0.80	max 12 cm, very few fit
25.45-26.06	(83½'-85½')	0.44	max 10 cm, no fits
26.06-26.82	(85½'-88')	0.75	max 11 cm, 26.33-26.70 m - all fit; rest - rubble
26.82-28.04	(88'-92')	0.90	max 12 cm
		6.56	

DRILL RUNS FOR DRILLHOLE 70-6 (CONT.)

Run	Recovery (m)	Character
<u>Box 4 28.04-34.44 m (92'-113')</u> H.S. Bostock C.L.N. 4222 (000766), Section 24		
28.04-29.11 (92'-95½')	1.10	max 14 cm for single piece, rubble in top 18 cm, most fit below
29.11-32.16 (95½'-105½')	2.89	max 25 cm, 29.11-29.69 m - earthy rubble; rest fit
32.16-32.61 (105½'-107')	0.45	max 8 cm, few fit
32.61-34.14 (107'-112')	1.53	max 22 cm, about half fit
34.14-34.44 (112'-113'*)	0.30	max 12 cm, no fits
	<hr/> 6.27	
<u>Box 5 34.44-42.21 m (113'-138½')</u> H.S. Bostock C.L.N. - (000767), Section 24		
This box was discarded some time ago because the core in it was less than 10% of what was drilled, and the footage markers were no longer in their correct positions.		
<u>Box 6 42.21-51.51 m (138½'-169')</u> H.S. Bostock C.L.N. 4223 (000768), Section 24		
42.21-43.59 (138½'-143')	0.08	max 5 cm for single piece, no fits
43.59-46.33 (143'-152')	0.94	max 9 cm, fit only in lowest 26 cm
46.33-47.85 (152'-157')	1.36	max 25 cm, all fit
47.85-48.16 (157'-158')	0.13	max 6½ cm, no fits
48.16-50.14 (158'-164½')	1.78	max 11 cm, 48.40-49.75 m - all fit; none elsewhere
50.14-50.44 (164½'-165½')	0.29	max 6 cm, most fit
50.44-50.60 (165½'-166')	0.27	max 11 cm, no fits
50.60-50.90 (166'-167')	0.25	max 10 cm, most fit
	<hr/> 5.10	
<u>Box 7 51.51-58.37 m (169'-191½')</u> H.S. Bostock C.L.N. 4224 (000769), Section 24		
50.90-51.97 (167'-170½')	1.06	max 17 cm for single piece, 50.90-51.20 m - all fit; rest fine angular and earthy rubble
51.97-52.27 (170½'-171½')	0.29	max 7½ cm, coarse angular pieces which could be fitted together
52.27-53.64 (171½'-176')	1.35	max 23 cm, all fit
53.64-55.32 (176'-181½')	1.63	max 19 cm, all fit
55.32-56.69 (181½'-186')	1.34	max 25 cm, all fit except 55.32-55.37 m, 55.60-55.73 m, 56.07-56.19 m, and 56.44-56.48 m
56.69-58.37 (186'-191½')	1.60	max 16 cm, all fit except 57.55-57.78 and 58.16-58.29 m
	<hr/> 7.27	

* No marker at 113': end of Box 4 with Box 5 missing.

DRILL RUNS FOR DRILLHOLE 70-6 (CONT.)

Run	Recovery (m)	Character
<u>Box 8 58.37-65.23 m (191½'-214')</u> H.S. Bostock C.L.N. 4225 (000770), Section 24		
58.37-59.74 (191½'-196')	1.39	max 32 cm for single piece, all fit except 58.37-58.45 m
59.74-61.26 (196'-201')	1.58	max 32 cm, all fit to 60.91 m; below angular fragments with no fits
61.26-62.94 (201'-206½')	1.60	max 30 cm, all fit; 61.26-61.43 m - angular fragments to 7 cm max
62.94-64.62 (206½'-212')	1.58	max 28 cm, all fit
64.62-66.14 (212'-217')	1.60	max 20 cm, all fit
	7.75	
<u>Box 9 65.23-72.24 m (214'-237')</u> H.S. Bostock C.L.N. 4226 (000771), Section 24		
66.14-67.67 (217'-222')	1.55	max 24 cm for single piece, all fit
67.67-69.19 (222'-227')	1.55	max 22 cm, all fit except 68.75-68.88 m - rubble of angular fragments
69.19-71.02 (227'-233')	1.60	max 18 cm, all fit except at 70.00 m; 69.19-69.41 m - angular pieces, 70.00-70.13 m - angular pieces, 5 cm max
71.02-72.69 (233'-237')	1.12	max 38 cm, 71.02-71.25 m, about half fit; rest - all fit
(237'-238½')	0.47	previously split, recovery obtained by spreading remaining half along core box, max 9 cm
	6.29	
<u>Box 10 72.24-79.25 m (237'-260')</u> H.S. Bostock C.L.N. 4227 (000772), Section 24		
72.69-74.22 (238½'-243½')	1.35	previously split, recovery obtained by spreading remaining half along core box, max 9 cm for single piece
74.22-74.68 (243½'-245')	0.70	previously split, max 7 cm
74.68-75.59 (245'-248')	0.40	previously split, max 9 cm
75.59-76.35 (248'-250½')	0.51	previously split, max 6 cm
76.35-77.11 (250½'-253')	0.76	previously split, max 14 cm
77.11-78.64 (253'-258')	1.50	previously split, max 19 cm
78.64-79.25 (258'-260'*)	0.60	previously split, max 9 cm
	5.82	

Boxes 11, 12 and 13 79.25-99.06 m (260'-325') H.S. Bostock C.L.N. 4228 (000773), 4229 (000774), 4230 (000775)

These three boxes were discarded some time ago because core in them was less than 10% of what was drilled, and the footage markers were no longer in their correct positions.

* No marker at 260': end of Box 10 with Box 11 missing.

DRILL RUNS FOR DRILLHOLE 70-6 (CONT.)

Run		Recovery (m)	Character
<u>Box 14 99.06-109.12 m (325'-358')</u> H.S. Bostock C.L.N. 4233 (000777), Section 24			
This box is erroneously labelled as from drillhole 70-7.			
99.06-99.97	(325'-328')	0.90	previously split, recovery obtained by spreading remaining half along core box, max 11 cm for single piece
99.97-100.43	(328'-329½')	0.45	previously split, max 9 cm
100.43-101.19	(329½'-332')	0.65	previously split, max 12 cm
101.19-101.96	(332'-334½')	0.60	previously split, max 14 cm
101.96-102.11	(334½'-335')	0.03	previously split, all rubble
102.11-103.02	(335'-338'))		
103.02-103.78	(338'-340½'))	0.21	previously split, all rubble
103.78-104.24	(340½'-342'))		
104.24-104.70	(342'-343½')	0.25	previously split, all rubble
104.70-105.00	(343½'-344½')	0.18	previously split, max 8 cm
105.00-105.16	(344½'-345')	0.15	previously split, all rubble
105.16-105.77	(345'-347')	0.06	previously split, all rubble
105.77-106.07	(347'-348')	0.12	previously split, all rubble
106.07-106.38	(348'-349')	0.13	previously split, all rubble
106.38-106.98	(349'-351')	0.13	previously split, all rubble
106.98-108.05	(351'-354½')	0.92	previously split, max 15 cm
108.05-109.12	(354½'-358'**))	0.95	previously split, max 13 cm
		5.73	

Box 15 H.S. Bostock, C.L.N. 4232

Box 15 was discarded some time ago because core in it was less than 10% of what was drilled, and the footage markers were no longer in their correct positions.

Boxes 16 and 17, if they ever existed, were not assigned numbers.

76.36*** 250½'***) 62.06

Recovery to bottom of Box 14 at 109.12 m = $\frac{62.06}{76.36} \times 100 = 81.3\%***$ or

$\frac{62.06}{103.94} \times 100 = 59.7\%$ if Boxes 5, 11, 12 and 13 are included with zero recovery each.

* No marker at 325': beginning of Box 14 with Box 13 missing.

** No marker at 358': end of Box 14 with Box 15 missing.

*** Excluding 27.58 m (90½') for core in missing Boxes 5, 11, 12, and 13.