

# DRILL RUNS FOR DRILLHOLE 70-2

Run	Recovery (m)	Character
Box 1 8.53-22.25 m (28'-73')	H.S. Bostock Core Library Number 4163 (000707), Section 3C	
8.53-10.36 (28'-34')	0.66	only about half normal core in recovered length, 3 or 4 pieces 4-7 cm long, rest rubble
10.36-12.80 (34'-42')	0.68	only half or less normal core in recovered length, mostly rubble with odd piece to 5 cm, some pieces previously split
12.80-15.54 (42'-51')	0.45	only about half normal core in recovered length, few pieces to 4 cm but mostly smaller fragments, no fits
15.54-16.31 (51'-53½')	0.41	only half or less normal core in recovered length, one piece to 8 cm, others to 4 cm, rest rubble, no fits, some pieces previously split
16.31-16.92 (53½'-55½')	0.36	only half or less normal core in recovered length, max. 5-6 cm for single piece
16.92-17.98 (55½'-59')	0.15	less than half normal core in recovered length, all rubble
17.98-18.44 (59'-60½')	0.27	less than half normal core in recovered length, three pieces to 4 cm, rest rubble, larger pieces previously split
18.44-19.05 (60½'-62½')	0.67	more than half normal core in recovered length, max. 7 cm but mostly small fragments, larger pieces previously split
19.05-19.51 (62½'-64')	0.16	less than half normal core in recovered length, max. 5 cm
19.51-19.89 (64'-65¼')	0.22	less than half normal core in recovered length, one 4-cm piece at bottom, rest rubble
19.89-20.19 (65¼'-66¼')	0.23	only about half normal core in recovered length, max. 5 cm, previously split
20.19-21.03 (66¼'-69')	0.42	less than half normal core in recovered length, max. 8 cm
21.03-21.26 (69'-69 3/4')	0.19	only about half normal core in recovered length, max. 6 cm at top, rest smaller
21.26-21.56 (69 3/4'-70 3/4')	0.26	less than half normal core in recovered length, max. 2 cm
21.56-22.10 (70 3/4'-72½')	0.14	less than half normal core in recovered length, all rubble
	5.27	

DRILL RUNS FOR DRILLHOLE 70-2 (CONT.)

Run	Recovery (m)	Character
Box 2 22.25-33.53 m (73'-110')	H.S. Bostock C.L.N. 4164 (000708), Section 3C	
22.10-22.86 (72½'-75')	0.30	less than half normal core in recovered length, previously split
22.86-23.62 (75'-77½')	0.50	only about half normal core in recovered length, previously split
23.62-24.54 (77½'-80½')	0.17	only about half normal core in recovered length, max. 3 cm for single piece, previously split
24.54-25.30 (80½'-83')	0.39	only about half normal core in recovered length, max. 7 cm, previously split
25.30-26.06 (83'-85½')	0.12	less than half normal core in recovered length, all angular fragments to 2 cm max.
26.06-26.97 (85½'-88½')	0.32	angular pieces to 6 cm, no fits
26.97-28.19 (88½'-92½')	0.00	driller's block labelled sand
28.19-28.50 (92½'-93½')	0.13	angular pieces to 4½ cm, no fits
28.50-29.11 (93½'-95½')	0.28	two pieces each 8 cm long, rest angular rubble
29.11-29.72 (95½'-97½')	0.48	max. 7 cm long with about half ends fitting
29.72-31.24 (97½'-102½')	0.17	all rubble, lower half previously sampled
31.24-31.55 (102½'-103½')	0.23	only about half normal core in recovered length, pieces to 3 cm max. with some marks of previous splitting, all previously sampled
31.55-31.70 (103½'-104')	0.07	only about half normal core in recovered length, max. 3 cm, all previously sampled
31.70-32.16 (104'-105½')	0.31	only about half normal core for 31.70-31.88 m, then all normal core for 31.88-32.01 m, max. 7 cm, upper 13 cm previously split
32.16-32.92 (105½'-108')	0.60	max. 5 cm, rest angular rubble, no fits
32.92-33.22 (108'-109')	0.30	angular pieces to 5-6 cm, no fits
33.22-33.53 (109'-110')	0.09	angular fragments to 5 cm, no fits
	4.46	

# DRILL RUNS FOR DRILLHOLE 70-2 (CONT.)

Run	Recovery (m)	Character
Box 3 33.53-42.67 m (110'-140')	H.S. Bostock C.L.N. 4165 (000709), Section 3C	
33.53-34.59 (110'-113½')	0.57	max 13 cm for single piece, 33.53-33.89 m - all fit except ground end at 33.77 m, below rubble and pieces to 5 cm with no fits
34.59-35.66 (113½'-117')	0.51	max 10 cm, few fits
35.66-36.27 (117'-119')	0.31	only about half normal core in recovered length, all rubble
36.27-36.73 (119'-120½')	0.38	max 9 cm, mostly rubble, no fits
36.73-37.64 (120½'-123½')	0.36	max 7 cm, mostly rubble, no fits
37.64-38.10 (123½'-125')	0.10	max 5 cm, mostly rubble, no fits
38.10-38.56 (125'-126½')	0.18	all rubble
38.56-39.47 (126½'-129½')	0.63	max 11 cm, angular pieces, no fits
39.47-40.39 (129½'-132½')	0.64	max 13 cm, 39.47-39.93 m - all fit, below - angular pieces to 8 cm with no fits
40.39-40.69 (132½'-133½')	0.16	whole core with pieces to 7 cm, all fit except one piece at top with ground end
40.69-41.76 (133½'-137')	0.45	40.69-41.01 m - pieces to 10 cm, all fit, below pieces to 5 cm and rubble with no fits
41.76-42.06 (137'-138')	0.19	max 7 cm, all rubble, no fits
42.06-42.52 (138'-139½')	0.31	max 9 cm, mostly rubble, no fits
	4.79	

Box 4 42.67-49.23 m (140'-161½')	H.S. Bostock C.L.N. 4166 (000710), Section 3C	
42.52-43.59 (139½'-143')	1.09	42.52-42.70 m - pieces to 6 cm with few fits; rest - pieces to 16 cm, all fit
43.59-44.20 (143'-145')	0.71	max 18 cm, for single piece, almost all fit except rubble in top 3 cm
44.20-45.57 (145'-149½')	1.18	max 41 cm, 44.20-45.17 m - most fit, rubble below
45.57-46.18 (149½'-151½')	0.61	max 7 cm, mostly rubble with no fits
46.18-47.09 (151½'-154½')	0.86	max 19 cm, all fit except rubble 46.48-46.77 m
47.09-47.40 (154½'-155½')	0.23	max 9 cm, about half fit
47.40-47.55 (155½'-156')	0.23	max 9 cm, all fit
47.55-48.31 (156'-158½')	0.65	max 17 cm, most fit
48.31-48.92 (158½'-160½')	0.57	max 9 cm, all rubble
48.92-49.38 (160½'-162')	0.40	max 12 cm, about half fit
	6.53	

Box 5 49.23-56.85 m (161½'-186½')	H.S. Bostock C.L.N. 4167 (000711), Section 3C	
49.38-49.99 (162'-164')	0.66	max 18 cm for single pieces, all fit
49.99-51.05 (164'-167½')	1.06	max 26 cm, all fit
51.05-52.58 (167½'-172½')	1.54	max 37 cm, all fit
52.58-53.64 (172½'-176')	1.08	max 27 cm, all fit
53.64-55.32 (176'-181½')	0.96	max 13 cm, most fit except rubble in lowest 9 cm
55.32-55.93 (181½'-183½')	0.28	max 8 cm, no fits, rubble in lowest 8 cm
55.93-56.85 (183½'-186½')	0.97	max 18 cm, all fit except rubble in top 4 cm
	6.55	

# DRILL RUNS FOR DRILLHOLE 70-2 (CONT.)

Run	Recovery (m)	Character
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Box 6 56.85-63.40 m (186½'-208')	H.S. Bostock C.L.N. 4168 (000712), Section 3C	
56.85-58.29 (186½'-191¼')	1.45	max 20 cm for single pieces, all fit
58.29-59.13 (191¼'-194')	0.92	max 18 cm, almost all fit
59.13-60.20 (194'-197½')	0.93	max 18 cm, most fit except rubble from 59.91-59.97 m
60.20-60.66 (197½'-199')	0.48	max 10 cm, 60.20-60.37 m - mostly rubble with no fits, balance all fit
60.66-61.11 (199'-200½')	0.33	max 8 cm, no fits, 60.96-61.11 m - previously split
61.11-61.26 (200½'-201')	0.14	all rubble, previously split
61.26-61.87 (201'-203')	0.48	previously split
61.87-63.40 (203'-208')	1.54	61.87-62.63 m - previously split, 62.63- 63.41 m - max 18 cm, all fit
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	6.27	
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Box 7 63.40-71.17 m (208'-233½')	H.S. Bostock C.L.N. 4169 (000713), Section 3C	
63.40-64.16 (208'-210½')	0.72	max 8 cm for single piece, 63.65-63.92 m - all fit, balance - no fits
64.16-64.77 (210½'-212½')	0.67	max 10 cm, all fit
64.77-65.84 (212½'-216')	0.97	max 19 cm, all fit
65.84-66.75 (216'-219')	0.90	max 15 cm, all fit
66.75-67.97 (219'-223')	1.35	max 16 cm, all fit
67.97-69.49 (223'-228')	0.09	max 5 cm, rubble, no fits
69.49-69.95 (228'-229½')	0.23	max 6 cm, mostly rubble, no fits
69.95-70.71 (229½'-232')	0.76	max 12 cm, all fit except rubble from 69.95-70.06 m
70.71-71.17 (232'-233½')	0.30	max 7 cm, mostly rubble, no fits
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	5.99	
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Box 8 71.17-77.72 m (233'-255')	H.S. Bostock C.L.N. 4170 (000714), Section 3C	
71.17-72.69 (233½'-238½')	1.33	max 18 cm for single piece, all fit except rubble 71.31-71.48 m in altered zone with part fits
72.69-73.99 (238½'-242 3/4')	1.26	max 13 cm, all fit
73.99-75.13 (242 3/4'-246½')	0.99	max 14 cm, all fit
75.13-76.05 (246½'-249½')	0.62	max 10 cm, almost no fits
76.05-76.81 (249½'-252')	0.85	max 17 cm, 76.05-76.13 m - rubble, 76.33- 76.90 m - all fit
76.81-78.33 (252'-257')	1.51	max 21 cm, all fit except for rubble from 77.26-77.30 m
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	6.56	

# DRILL RUNS FOR DRILLHOLE 70-2 (CONT.)

Run	Recovery (m)	Character
<u>Box 9 77.72-84.58 m (255'-277½')</u> H.S. Bostock C.L.N. 4171 (000715), Section 3C		
78.33-79.86 (257'-262')	1.55	max 21 cm for single piece, all fit
79.86-81.38 (262'-267')	1.54	max 25 cm, all fit
81.38-82.60 (267'-271')	0.94	max 19 cm, all fit to 82.16 m, balance earthy rusty rubble
82.60-83.52 (271'-274')	0.90	max 10 cm, 82.60-82.82 m - reasonable pieces with no fits, 82.82-82.89 m - rubble, balance - half fit
83.52-84.58 (274'-277½')	0.94	max 8 cm, 83.79-84.35 m - reasonably sized pieces with some fits, balance - rubble or no fits
	5.87	
<u>Box 10 84.58-91.14 m (277½'-299')</u> H.S. Bostock C.L.N. 4172 (000716), Section 3C		
84.58-85.19 (277½'-279½')	0.65	84.58-84.80m-max 9 cm for single piece, reasonably good core, half fit, 84.80- 85.23 m - only about half normal core in recovered length, previously split
85.19-86.11 (279½'-282½')	0.90	only about half normal core in recovered length, previously split
86.11-86.72 (282½'-284½')	0.55	only about half normal core in recovered length, max 10½ cm, previously split
86.72-87.33 (284½'-286½')	0.44	only about half normal core in recovered length, max 9 cm, previously split
87.33-88.85 (286½'-291½')	1.52	only about half normal core in recovered length, max 11 cm, previously split
88.85-90.07 (291½'-295½')	1.01	only about half normal core in recovered length, max 10 cm, previously split
90.07-90.68 (295½'-297½')	0.55	only about half normal core in recovered length, max 10 cm, previously split
	5.62	
<u>Box 11 91.14-100.13 m (299'-328½')</u> H.S. Bostock C.L.N. 4173 (000717), Section 3C		
90.68-92.20 (297½'-302½')	1.46	only about half normal core in recovered length, max 11 cm for single piece, previously split
92.20-93.88 (302½'-308')	0.64	only about half normal core in recovered length, previously split
93.88-94.64 (308'-310½')	0.12	only about half normal core in recovered length, max 4 cm, previously split
94.64-95.55 (310½'-313½')	0.46	94.64-94.79 m - only about half normal core in recovered length, previously split; 94.79- 95.10 m - max 7 cm, all rubble, no fits
95.55-96.32 (313½'-316')	0.62	max 17 cm, 95.55-95.92 m - all fit, rubble below
96.32-97.99 (316'-321½')	1.45	max 27 cm, all fit except for 97.00-97.02 m
97.99-98.22 (321½'-322¼')	0.26	max 10 cm, 97.99-98.07 m - rubble, rest all fit
98.22-99.52 (322¼'-326½')	1.19	max 34 cm, all fit
99.52-99.97 (326½'-328')	0.37	max 13 cm, no fits in rubble of upper half, all fit below
	6.57	

# DRILL RUNS FOR DRILLHOLE 70-2 (CONT.)

Run	Recovery (m)	Character
Box 12 100.13-103.94 (328½'-341')		H.S. Bostock C.L.N. 4174 (000718), Section 3C
99.97-101.50 (328'-333')	1.58	28 cm for single piece, all fit
101.50-102.41 (333'-336')	0.93	max 20 cm, all fit
102.41-103.94 (336'-341')	1.36	max 21 cm, all fit except for rubble 103.02-103.12 m
	3.87	

95.41 (313') 68.35

$$\text{Recovery} = \frac{68.35}{95.41} \times 100 = 71.6\%$$