

DRILL RUNS FOR DRILLHOLE 70-3

Run	Recovery (m)	Character
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Note: All the core from drillhole 70-3 was previously split and sampled by Imperial Oil Enterprises Ltd. Recoveries reported here were obtained by spreading the remaining half along the core box. Where only the length of the largest piece is given, all core now consists of split cylinders.

Box 1 5.49-22.86 m (18'-75') H.S. Bostock Core Library Number 4175 (000719), Section 3C

5.49-7.16	(18'-23½')	0.31	rubble
7.16-8.84	(23½'-29')	0.33	rubble mostly, max 9 cm for single piece at bottom
8.84-9.45	(29'-31')	0.16	rubble
9.45-10.21	(31'-33½')	0.05	rubble
10.21-10.52	(33½'-34½')	0.13	rubble
10.52-10.82	(34½'-35½')	0.17	rubble mostly, max 5 cm as cylindrical core
10.82-10.97	(35½'-36')	0.21	rubble
10.97-11.05	(36'-36¾')	0.14	rubble, max 3 cm
11.05-11.43	(36¾'-37½')	0.21	rubble
11.43-12.65	(37½'-41½')	0.19	rubble, max 5 cm
12.65-13.26	(41½'-43½')	0.08	rubble
13.26-14.33	(43½'-47')	0.27	rubble except for 5 cm piece at bottom
14.33-14.78	(47'-48½')	0.13	rubble
14.78-15.09	(48½'-49½')	0.38	mostly rubble but few split pieces to 6 cm
15.09-15.54	(49½'-51')	0.23	rubble except for two split pieces, max 5 cm
15.54-16.31	(51'-53½')	0.15	rubble except one 8-cm piece at bottom
16.31-16.76	(53½'-55')	0.09	rubble
16.76-18.29	(55'-60')	0.21	rubble, max 5 cm
18.29-18.90	(60'-62')	0.14	rubble
18.90-19.35	(62'-63½')	0.23	rubble with 6-cm piece at bottom
19.35-20.27	(63½'-66½')	0.09	rubble
20.27-21.64	(66½'-71')	0.13	rubble
21.64-22.40	(71'-73½')	0.13	rubble with 4-cm piece at bottom
22.40-22.86	(73½'-75')	0.15	rubble, max 4 cm
		4.31	

Box 2 22.86-32.54 m (75'-106'9") H.S. Bostock C.L.N. 4176 (000720), Section 3C

22.86-23.47	(75'-77')	0.20	rubble
23.47-24.69	(77'-81')	0.26	rubble
24.69-25.76	(81'-84½')	-	
25.76-26.21	(84½'-86')	0.04	rubble
26.21-26.67	(86'-87½')	0.40	rubble
26.67-27.28	(87½'-89½')	0.37	rubble, max 6 cm for single piece
27.28-27.89	(89½'-91½')	0.60	27.28-27.70 m - split core max 6 cm; rounded rubble below
27.89-28.50	(91½'-93½')	0.60	rubble
28.50-28.96	(93½'-95')	0.48	rubble and earthy material
28.96-29.57	(95'-97')	0.60	28.96-29.44 m - reasonable lengths, max 8 cm, small rubble below
29.57-30.78	(97'-101')	0.49	29.57-29.82 m - split pieces to 10 cm, rubble below
30.78-30.94	(101'-101½')	0.11	max 7 cm
30.94-31.39	(101½'-103')	0.38	max 8 cm
31.39-32.46	(103'-106½')	0.23	rubble
32.46-32.54	(106½'-106'9")	0.11	rubble
		4.87	

DRILL RUNS FOR DRILLHOLE 70-3 (CONT.)

Run	Recovery (m)	Character
Box 3 32.54-42.98 m (106'9"-141') H.S. Bostock C.L.N. 4177 (000721), Section 3C		
32.54-33.22	(106'9"-109')	0.51 rubble, few hard fragments in top 3-4 cm; earthy material below
33.22-34.59	(109'-113½')	0.08 rubble
34.59-35.13	(113½'-115¼')	0.11 rubble
35.13-35.66	(115¼'-117')	0.24 rubble
35.66-36.58	(117'-120')	0.12 rubble
36.58-37.64	(120'-123½')	0.29 rubble
37.64-38.25	(123½'-125½')	0.32 rubble
38.25-38.40	(125½'-126')	0.09 rubble
38.40-38.86	(126'-127½')	0.33 max 8 cm for single piece
38.86-40.08	(127½'-131½')	0.53 max 8 cm
40.08-40.54	(131½'-133')	0.26 rubble and split core, max 7 cm
40.54-41.30	(133'-135½')	0.31 rubble and split core, max 8 cm
41.30-42.37	(135½'-139')	0.78 max 10 cm
42.37-42.98	(139'-141')	0.25 rubble
		4.22

Box 4 42.98-51.36 m (141'-168½') H.S. Bostock C.L.N. 4178 (000722), Section 3C		
42.98-43.28	(141'-142')	0.20 angular fragments
43.28-43.74	(142'-143½')	0.45 max 11 cm for single piece
43.74-44.12	(143½'-144'9")	0.34 max 8 cm
44.12-44.65	(144'9"-146½')	0.48 max 6 cm
44.65-45.11	(146½'-148')	0.40 max 12 cm
45.11-46.33	(148'-152')	0.90 max 11 cm
46.33-46.79	(152'-153½')	0.35 max 5 cm
46.79-46.94	(153½'-154')	0.08 angular fragments
46.94-48.16	(154'-158')	0.35 max 6 cm
48.16-48.62	(158'-159½')	0.37 max 7 cm, split core and angular rubble
48.62-49.38	(159½'-162')	0.40 max 6 cm
49.38-49.83	(162'-163½')	0.26 max 9 cm
49.83-50.60	(163½'-166')	0.36 max 8 cm
50.60-50.90	(166'-167')	0.05 rubble
50.90-51.36	(167'-168½')	0.11 rounded rubble
		5.10

DRILL RUNS FOR DRILLHOLE 70-3 (CONT.)

Run	Recovery (m)	Character
Box 5 51.36-61.57m (168½'-202') H.S. Bostock C.L.N. 4179 (000723), Section 3C		
51.36-52.88	(168½'-173½')	0.33 angular rubble, max 6 cm for single piece
52.88-54.56	(173½'-179')	0.24 split core and rounded rubble, max 6 cm for single piece
54.56-55.78	(179'-183')	0.10 rubble with one 8-cm piece at bottom
55.78-56.39	(183'-185')	0.38 rubble
56.39-57.00	(185'-187')	0.72 split core and rubble, max 7 cm
57.00-57.15	(187'-187½')	0.12 rubble
57.15-57.45	(187½'-188½')	0.26 angular fragments and split core, max 5 cm
57.45-57.76	(188½'-189½')	0.22 max 6 cm
57.76-58.37	(189½'-191½')	0.45 max 7 cm
58.37-58.83	(191½'-193')	0.14 rubble
58.83-59.13	(193'-194')	0.18 rubble
59.13-59.59	(194'-195½')	0.23 rubble and split core, max 5 cm
59.59-59.89	(195½'-196½')	0.30 angular rubble
59.89-60.35	(196½'-198')	0.25 rubble
60.35-60.66	(198'-199')	0.24 angular fragments, max 6 cm
60.66-61.11	(199'-200½')	0.12 angular rubble
61.11-61.57	(200½'-202')	0.27 angular fragments
		4.55

Box 6 61.57-72.54m (202'-238') H.S. Bostock C.L.N. 4180 (000724), Section 3C		
61.57-62.03	(202'-203½')	0.26 angular fragments
62.03-62.48	(203½'-205')	0.45 angular fragments
62.48-62.94	(205'-206½')	0.40 angular fragments
62.94-63.25	(206½'-207½')	0.19 angular fragments
63.25-63.70	(207½'-209')	0.23 angular fragments
63.70-64.16	(209'-210½')	0.28 angular fragments, max 6 cm for single piece
64.16-65.07	(210½'-213½')	0.41 max 8 cm
65.07-65.53	(213½'-215')	0.11 rounded rubble
65.53-67.06	(215'-220')	0.39 rounded rubble
67.06-67.51	(220'-221½')	0.14 rounded rubble
67.51-68.12	(221½'-223½')	0.20 rounded rubble
68.12-69.34	(223½'-227½')	0.17 rounded rubble
69.34-69.65	(227½'-228½')	0.25 angular and rounded rubble
69.65-70.56	(228½'-231½')	0.30 angular rubble
70.56-71.02	(231½'-233')	0.30 angular rubble
71.02-72.24	(233'-237')	0.24 angular fragments and split core
72.24-72.54	(237'-238')	0.10 rounded rubble
		4.42

DRILL RUNS FOR DRILLHOLE 70-3 (CONT.)

Run	Recovery (m)	Character
Box 7 72.54-74.37 m (238'-244')	H.S. Bostock C.L.N. 4181 (000725), Section 3C	
72.54-72.85 (238'-239')	0.20	split core and angular fragments, max 5 cm for single piece
72.85-73.46 (239'-241')	0.11	max 11 cm
73.46-74.37 (241'-244')	0.45	split core and rounded rubble, max 5 cm
	<u>0.76</u>	

68.89	(226')	28.23
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$$\text{Recovery} = \frac{28.23}{68.89} \times 100 = 41.0\%$$
