

H-2 Ice thickness from drill hole survey

Number on plot	Ice thickness (m)	Freeboard (cm)	Designation in surveys*	Notes from report CHC 14-63
1	2.7			FY area in plot
2	1.6			FY area in plot
3	1.22	0	W1	level FY ice, 12 cm snow; 35 m from NE corner of E caisson
4	1.27	8	W2	level FY ice, 20 cm snow; 20 m south of W1
5	1.28	15	W3	level FY ice, 8 cm snow; 20 m south of W2
6	3.52	60	W4	HARD and Consolidated, SY ice; 35 m from SE corner E caisson
7	5.1	140	W5	HARD and consolidated, SY hummock; 66 m along line 2
8	2.3	15	W6	SY with FY blocks, not Hard, blocks underneath, 10 cm new snow, 100 m line 2
9	3.85	40	hole #1 site #1	consolidated to 3.5 m
				Site #1, see description* (MY hummock 100 m east of E caisson); April 12, 08:30
10	3.0	35	V2	in SY area
11	2.45	30		in SY area
12	3.0	15	W7	semi-hard, small SY hummock, 150 m line 2; April 12, 09:00
13	3.7	40	W8	SY ice, HARD, 20 cm snow, 200 m line 2
14	1.4?		W12	9 m+, 1.6 m fb, void at 1.4 m, level FY rubble, near W8 at edge of wake
15	2.4	30	W9	SY ice, no snow, 250 m line 2
16	2.0	30	W10	SY ice, 300 m line 3
17	2.85	30	W11	SY ice, no snow, small hummock, 350 m line 2, same to 480 m on line 2
18	4.0			in SY area
19	2.5			in SY area
20	>6		M2	large hummock (1/2 m), HARD, in small are of SY hummocks
21	2.35	30	M1	small smooth SY hummock
22	4.6		V3	in SY area
23	3.3	40		in SY area
24	2.0	25	2b	Site #2, level SY ice
25	6.8	150	2c	Site #2, small SY hummock, > 4.5 m; not sure where 6.8 m comes from?
26	1.4	10	2a	level FY ice
27	1.5		V5	FY ice
28	2.5		V4	in SY area
29	2.8		V6	in SY area
30	3.0	75		in SY area
31	3.85	65		in SY area
32	3.05	65		in SY area
33	7.0	105		Site # 6 SY
34	4.75	55		Site #4; multi-year floe, Mar. 7 17:30 and Apr. 12 13:00 contacted leading edge of floe
35	7.0	70		Site #4

Number on plot	Ice thickness (m)	Freeboard (cm)	Designation in surveys*	Notes from report CHC 14-63
36	4.44	60		Site #4
37	4.6	70		Site #4
38	10.5	140		Site #4
39	3.0			slush
40	1.4			Blocks, FY?
41	6	150		in FY area but thickness too great
42	2.35	35		in FY area but thickness too great
43	3.5	60		in FY area but thickness too great
44	4			in FY area but thickness too great
45	1.7			FY
46	2.5			FY?
47	1.3			FY
48	2.8			SY ice
49	4.65			SY ice
50	2.8			SY ice
51	2.9			SY ice
52	3.0			SY ice
53	3.3			SY ice
54	3.3			SY ice
55	2.9			SY ice, close to N face
56	3.25			SY ice, closest to N face, for March 25 event
57	2.1			SY ice, close to N face
58	3.2			SY ice, close to N face
59	3.2			SY ice, close to N face
60	3.0			SY ice, close to N face
61	3.2			SY ice, close to N face
62	1.5			SY ice, close to N face
63	3.2			SY ice, close to N face
64	2.8			SY ice, close to N face
65	2.3			SY ice, close to N face
66	2.9			SY ice, closest to N face, for March 25 event
67	4.55			SY ice
68	4.4			SY ice
69	>6			SY ice
70	4.6			SY ice
71	>6			SY ice
72	2.65			SY ice
73	3.6			SY ice
74	4.2			SY ice
75	3.1			SY ice
76	6.0			SY ice
77	3.45			SY ice
78	5.2			SY ice
79	4.8			SY ice

* refer to Sites #1 and #2 in file: H-4 **Sites #1 & #2 - March 13-14, 1986.pdf**