L-1-73-AR

SIMRAD

ICE GOUGE DATA RECORD 1973

TRACKLINE: 7

DATE: 232

VESSEL	LOON
TEMPLATE SIZE	5.1 KTS.

SEG. SCALE 1:1953 & 1:1730

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ø DOM	OBSERVED ORIENTATION ø SUB	ADJUSTED ORIENTATION °T DOM	ADJUSTED ORIENTATION °T SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
1 AB	1735 .0	2.6	–	293	–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–	150	
2 BC	1740 .4	2.6	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		STRUDEL MARK
3 CD	1745 .9	2.8	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		STRUDEL MARKS
4 DE	1751 .8	3.0	–		155	–	88	–	L	1	1.44	1.4	1	0	0	0	0	0	<.3	2	<.3	82	0	–	–	–	–		
5 EF	1757 .9	3.0	–	257	–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
6 FG	1803 .9	3.2	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		SAND RIPPLES (347°T)
7 GH	1810 .3	3.4	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		NO SONAR THIS SEGMENT
8 HI	1817 .9	2.8	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
9 IJ	1825 .0	3.0	–		20	–	297	–	L	1	1.60	1.6	1	0	0	0	0	0	<.3	1	<.3	38	0	–	–	–	–		
10 JK	1832 .8	3.7	–		115	–	12	–	L	1	.97	1.0	1	0	0	0	0	0	<.3	1	<.3	88	0	–	–	–	–		STRUDEL MARKS
11 KL	1840 .8	4.0	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		(FUNNY BOTTOM/BOULDERS ?)
12 LM	1847 .1	4.0	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		(FUNNY BOTTOM/BOULDERS ?)
13 MN	1854 .2	3.9	–	333	70	–	267	–	L	1	2.12	2.1	1	0	0	0	0	0	<.3	2	<.3	80	0	–	–	–	–		(FUNNY BOTTOM/BOULDERS ?)
14 NO	1859 .5	3.6	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
15 OP	1906 .3	3.0	–		125	–	98	–	L	1	1.01	1.0	1	0	0	0	0	0	<.3	2	<.3	150	0	–	–	–	–		
END P	1913 .3	3.2	–																								–		

SIMRAD

ICE GOUGE DATA RECORD

1973

TRACKLINE: 8

DATE: 232

VESSEL	LOON
TEMPLATE SIZE	5.1 KTS.

SEG. SCALE 1:1953 & 1:1730

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION DOM / SUB	ADJUSTED ORIENTATION DOM	ADJUSTED ORIENTATION SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
1 AB	1923 .0	2.5	–	239	15 / –	254	–	L	1	1.82	1.8	1	0	0	0	0	0	<.3	1	<.3	25	0	–	–	–	–	150	
2 BC	1930 .6	3.6	–		25 / –	264	–	L	2	1.44	2.9	2	0	0	0	0	0	<.3	1	<.3	25	0	–	–	–	–		
3 CD	1936 .2	4.0	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
4 DE	1942 .8	4.5	–	219	35 / –	254	–	L	5	1.22	6.1	5	0	0	0	0	0	<.3	1	<.3	25	0	–	–	–	–		
5 EF	1951 .6	4.6	–		35 / –	254	–	L	1	1.22	1.2	1	0	0	0	0	0	<.3	1	<.3	30	0	–	–	–	–		
6 FG	1959 .8	4.6	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
7 GH	2007 .8	3.4	–		– / –	–	–	–	–	–	–	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		- SEE RECORD - NO SONAR THIS SEG. SHOAL AREA -
8 HI	2042 .0	4.1	–	343	115 / –	98	–	L	1	.97	1.0	1	0	0	0	0	0	<.3	1	<.3	52	0	–	–	–	–		
9 IJ	2048 .2	4.6	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
10 JK	2054 .6	4.5	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
11 KL	2103 .4	3.3	–	318	– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
12 LM	2109 .0	2.6	–	293	0 / –	293	–	L	4	3.33	13.3	4	0	0	0	0	0	<.3	1	<.3	2.75	0	–	–	–	–		DENSITY DOES NOT SEEM REPRESENTATIVE
13 MN	2116 .4	3.8	–		30 / –	303	–	L	2	1.32	2.6	2	0	0	0	0	0	<.3	1	<.3	40	0	–	–	–	–		
14 NO	2124 .1	4.1	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		(FUNNY BOTTOM ?)
15 OP	2131 .9	4.3	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
16 PQ	2139 .9	4.5	–		– / –	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		

ICE GOUGE DATA RECORD

1973

TRACKLINE: 8

DATE: 232

VESSEL	LOON
TEMPLATE SIZE	5.1 KTS.

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ø DOM	OBSERVED ORIENTATION ø SUB	ADJUSTED ORIENTATION DOM	ADJUSTED ORIENTATION SUB	°T	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
17 QR	2147 .1	4.5	–	273	–	–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–	150	
18 RS	2153 .5	4.0	–		30	–	303	–	L	L	5	1.32	6.6	5	0	0	0	0	0	<.3	2	<.3	117	0	–	–	–	–		
19 ST	2159 .9	5.0	–		30	–	303	–	L	L	5	1.32	6.6	5	0	0	0	0	0	<.3	2	<.3	150	0	–	–	–	–		
20 TU	2207 .4	6.0	–		–	–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		
21 UV	2214 .6	6.3	–		–	–	–	–	–	–	0	–	0	–	–	–	–	–	–	<.3	–	<.3	–	0	–	–	–	–		SAND RIPPLES (23°T)
22 VW	2221 .1	5.3	–	323	10	–	333	–	L	L	5	2.12	10.6	5	0	0	0	0	0	<.3	3	<.3	382	0	–	–	–	–		
23 WX	2230 .0	4.5	–		20	–	343	–	L	L	1	1.60	1.6	1	0	0	0	0	0	<.3	1	<.3	108	0	–	–	–	–		
END X	2237 .2	4.4	–																									–		

SIMRAD

ICE GOUGE DATA RECORD 1973

SONAR RANGE 500' = ~150M

TRACKLINE: 9

DATE: 233

VESSEL	LOON
TEMPLATE SIZE	4.0 KTS.

SEG. SCALE 1:1736

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ø DOM	OBSERVED ORIENTATION ø SUB	ADJUSTED ORIENTATION °T DOM	ADJUSTED ORIENTATION °T SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS (SIMRAD)
AB 1	0858.0	2.8	–	359	55	–	52	–	L	2	1.01	2.0	2	0	0	0	0	0	<.3	5	<.3	100	0	–	–	–	–	150	GOUGES SEEN MAY BE RIPPLES
BC 2	0906.1	5.5	–		–	–	–	–	–	0	–	0	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–		
CD 3	0914.2	6.1	–		60	–	57	–	L	12	.98	11 .8	12	0	0	0	0	0	<.3	2	<.3	300	0	–	–	–	–		GOUGES SEEN MAY BE RIPPLES
DE 4	0922.3	5.5	–		135	–	132	–	L	5	1.09	5.5	5	0	0	0	0	0	<.3	3	<.3	50	0	–	–	–	–		
EF 5	0930.4	4.5	–		120	–	117	–	L	2	.98	2.0	2	0	0	0	0	0	<.3	1	<.3	25	0	–	–	–	–		FUNNY BOTTOM (BOULDERS)
FG 6	0938.5	4.8	–	292	145	–	77	–	L	1	1.22	1.2	1	0	0	0	0	0	<.3	4	<.3	242	0	–	–	–	–		(CHANGE COURSE AT 0940.0) FUNNY BOTTOM
GH 7	0946.6	4.3	–	007	40	–	47	–	L	27	1.15	31 .1	27	0	0	0	0	0	<.3	2	<.3	50	0	–	–	–	–		(CHANGE COURSE AT 0950.0) FUNNY BOTTOM
HI 8	0954.7	5.0	–		45	–	52	–	L	20	1.09	21 .8	20	0	0	0	0	0	<.3	3	.3	235	0	–	–	–	–		FUNNY BOTTOM
IJ 9	1002.8	4.6	–		40	–	47	–	L	9	1.15	10 .4	9	0	0	0	0	0	<.3	4	<.3	250	0	–	–	–	–		FUNNY BOTTOM
JK 10	1010.9	4.5	–		45	–	52	–	L	18	1.09	19 .6	16	1	1	0	0	0	.6	3	.5	120	0	–	–	–	–		FUNNY BOTTOM (GOUGING IN BOULDER ZONE). MAY BE THAT RECENT SAND MOVEMENT HAS COVERED
KL 11	1019.0	6.0	1.1		40	–	47	–	L	17	1.15	17 .9	17	0	0	0	0	0	<.3	10	.5	300	0	–	–	–	–		FUNNY BOTTOM (GOUGING IN BOULDER PATCH AREA)
LM 12	1027.1	7.8	1.9		30	–	37	–	L	10	1.32	13 .2	10	0	0	0	0	0	<.3	5	<.3	100	0	–	–	–	–		(CHANGE SPEED TO 4.5 KTS @ 1030.0) FUNNY BOTTOM (GOUGING IN BOULDERS)
MN 13	1034.7	9.7	2.6		45	–	52	–	L	3	1.09	3.3	3	0	0	0	0	0	<.3	1	<.3	40	0	–	–	–	–		(CIRCLED FROM 1038.0 to 1043.0) FUNNY BOTTOM (SONAR INCOMPLETE - ADJUSTED TO 1 KM)
NO 14	1046.9	12.0	3.5		40	–	47	–	L	17	1.15	19 .6	17	0	0	0	0	0	<.3	5	<.3	200	0	–	–	–	–		FUNNY BOTTOM (GOUGING ONLY SEEN IN BOULDER AREAS) - SAND RIPPLES MAY COVER GOUGING IN OPEN
OP 15	1054.1	13.2	4.4		60	–	67	–	L	54	.98	52 .9	53	0	0	1	0	0	.8	2	<.3	350	0	–	–	–	–		FUNNY BOTTOM (SONAR INCOMPLETE ADJUSTED TO ONE KM.) TICKMARK ORIEN: 52°T L: 50M W: 8M
PQ 16	1101.3	14.5	5.3		50	–	57	–	L	13	1.04	13 .5	–	–	–	–	–	–	–	10	–	150	0	–	–	–	–		NO SIMRAD FOR THIS SEGMENT –

ICE GOUGE DATA RECORD 1973

TRACKLINE: 9
DATE: 233
SEGMENT

VESSEL	LOON
TEMPLATE SIZE	4.5 KTS.

KM	START TIME (HOURS MINUTES TENTHS)	START DEPTH (M)	DISTANCE FROM COAST (KM)	SHIP'S COURSE (°T)	OBSERVED ORIENTATION (DOM / SUB)	ADJUSTED ORIENTATION (DOM)	ADJUSTED ORIENTATION (SUB)	ORIENTATION VARIABILITY (HIGH MED LOW)	NUMBER OF INCISIONS (OBS)	CORRECTION FACTOR (⊥)	GOUGE DENSITY (PER KM)	INCISION DEPTH DISTRIBUTION METERS: NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH (M)	MAXIMUM RIDGE HEIGHT (M)	MAXIMUM GOUGE LENGTH (M)	MULTI-INCISION GOUGES: NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR (M)	SONAR RANGE (M)	REMARKS
QR 17	1108.5	15.0	6.4	007	60 / –	67	–	L	10	.98	9.8	10	0	0	0	0	0	<.3	12	<.3	100	0	–	–	–	–	150	SAND WAVES - ACTIVE SEDIMENT TRANSPORT MAY BE COVERING GOUGES - GOUGES ARE NOT DISTINCT POSSIBLY DUE TO INFILLING
RS 18	1115.7	15.6	7.4		145 / –	152	–	L	16	1.22	19 .5	12	3	1	0	0	0	.5	8	.5	325	1	4	15	03	–		(SONAR QUALITY POOR)
ST 19	1122.9	18.0	8.4		40 / 145	47	152	L	42	1.15	48 .3	39	3	0	0	0	0	.3	12	.3	460	0	–	–	–	–		(SONAR QUALITY POOR)
TU 20	1130.1	20.5	9.5		130 / 35	137	42	M	102	1.04	106 .1	60	22	11	5	3	1	1.0	5	1.0	750	2	5	32	147	–		TICK MARKS (1) ORIEN: 97°T L=150M W=15M
UV 21	1137.3	21.8	10.5		125 / 60	132	67	L	71	1.01	71 .7	11	30	12	5	7	6	1.5	8	1.3	365	0	–	–	–	–		
VW 22	1144.5	24.4	11.4		40 / 115	47	122	M	92	1.15	105 .8	47	19	9	6	6	5	1.5	7	1.4	325	2	7	40	37	–		
WX 23	1151.7	26.5	12.5		50 / 15	57	22	L	68	1.04	70 .7	32	27	2	3	2	2	1.2	5	2.0	390	1	11	53	22	–		
XY 24	1158.9	28.4	13.5		45 / –	52	–	L	61	1.09	66 .5	28	18	5	2	5	3	1.3	13	1.8	340	2	14	120	52	–		
YZ 25	1206.1	29.3	14.5		55 / 110	62	117	L	50	1.01	50 .5	10	20	10	4	4	2	1.2	12	1.2	325	1	7	45	42	–		
Z END	1213.3	28.2	15.6																							–		

LINE	9	DATE	233	YEAR	1973	GOUGE DEPTH DISTRIBUTION : >1 METER

SEGMENT	1.0-1.2	1.2-1.4	1.4-1.6	1.6-1.8	1.8-2.0	2.0-2.2	2.2-2.4	2.4-2.6	2.6-2.8	2.8-3.0	3.0-3.2	3.2-3.4	3.4-3.6	3.6-3.8	3.8-4.0
TU	1														
UV	4	1	1												
VW	2	2	1												
WX	2														
XY	2	1													
YZ	2														

SIMRAD

ICE GOUGE DATA RECORD 1973

SONAR RANGE 500' = ~150M

TRACKLINE	DATE	VESSEL	TEMPLATE SIZE
10	233	LOON	4.5 KTS.

SEG. SCALE 1:1953

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ø DOM/SUB	ADJUSTED ORIENTATION °T DOM	SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS (SIMRAD)
AB 1	1217.0	29.3	16.3	227	55/20	282	247	H	111	1.01	112 .1	77	25	7	2	0	0	.7	10	.8	360	5	14	53	247	—	150	
BC 2	1224.2	28.0	15.4		45/25	272	252	M	91	1.09	99 .2	58	24	7	0	2	0	.8	15	1.0	375	2	5	25	227	—		TICK MARKS (1) ORIENT: 317 °T L=55M W=12M
CD 3	1231.4	27.8	14.6		—/—	—	—	—	—	—	—	—	—	—	—	—	—	.8	—	.8	—	—	—	—	—	—		(NO SONAR)
DE 4	1238.6	27.6	13.8		—/—	—	—	—	—	—	—	—	—	—	—	—	—	.6	—	1.0	—	—	—	—	—	—		(NO SONAR)
EF 5	1245.8	27.1	13.1		—/—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	—	.9	—	—	—	—	—	—		(NO SONAR)
FG 6	1253.0	26.4	12.2		55/20	282	247	M	86	1.01	86 .9	49	23	6	5	2	1	1.0	12	1.2	350	2	3	17	237	—		
GH 7	1300.2	24.1	11.2		55/105	282	332	L	75	1.01	75 .8	37	24	10	3	1	0	.9	20	1.1	380	4	2	10	257	—		
HI 8	1307.4	22.4	10.3		50/20	277	247	L	73	1.04	75 .9	35	34	4	0	0	0	.5	7	.6	275	1	2	8	247	—		
IJ 9	1314.6	20.2	9.4		45/—	272	—	L	67	1.09	73 .0	46	20	1	0	0	0	.4	12	.4	340	2	2	8	267	—		(CIRCLE FOR 14 min. - 1318.0 to 1333.0
JK 10	1335.8	20.0	8.5		50/—	277	—	L	32	1.04	33 .3	32	0	0	0	0	0	<.3	3	1.5	280	1	2	7	247	—		SMALL HOLE ON SONAR ONLY SHOAL - BREAK IN GOUGE DENSITY
KL 11	1343.0	18.4	7.7		35/—	262	—	L	35	1.22	42 .7	35	0	0	0	0	0	<.3	5	<.3	475	0	—	—	—	—		
LM 12	1350.2	17.1	6.9		35/—	262	—	L	31	1.22	37 .8	31	0	0	0	0	0	<.3	8	<.3	320	0	—	—	—	—		
MN 13	1357.4	16.0	6.1		20/—	247	—	L	28	1.60	44 .8	28	0	0	0	0	0	<.3	3	<.3	230	0	—	—	—	—		
NO 14	1404.6	14.6	5.4		25/165	252	32	M	49	1.44	70 .6	48	0	0	0	0	1	1.2	4	1.0	450	1	2	5	247	—		
OP 15	1411.8	13.0	4.7		10/30	237	257	L	28	1.60	44 .8	27	1	0	0	0	0	.3	2	<.3	375	0	—	—	—	—		DENSITY VS. SELECTION PROBLEM (OP + PQ) USE 20° FOR DOM ORIEN/CORR FACTOR
PQ 16	1419.0	12.6	4.0		35/10	262	237	L	29	1.60	46 .4	29	0	0	0	0	0	<.3	4	.5	325	0	—	—	—	—		" " " " " 1.73 FUNNY BOTTOM

ICE GOUGE DATA RECORD 1973

TRACKLINE: 10

DATE: 233

VESSEL	LOON
TEMPLATE SIZE	4.5 KTS.

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ø DOM	OBSERVED ORIENTATION ø SUB	ADJUSTED ORIENTATION °T DOM	ADJUSTED ORIENTATION °T SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
QR 17	1426.2	12.0	3.2	227	25	–	252	–	L	15	1.44	21.6	13	2	0	0	0	0	.3	6	.4	335	0	–	–	–	–	150	FUNNYBOTTOM
RS 18	1433.4	10.6	2.6		30	–	257	–	M	8	1.32	10.6	7	0	0	0	1	0	.8	4	<.3	185	1	2	3	247	–		FUNNYBOTTOM
ST 19	1440.6	8.9	2.3		20	–	247	–	L	5	1.60	8.0	5	0	0	0	0	0	<.3	3	<.3	110	0	–	–	–	–		
TU 20	1447.8	8.2	2.1		10	–	237	–	L	3	2.12	6.4	3	0	0	0	0	0	<.3	2	<.3	55	0	–	–	–	–		
UV 21	1455.0	7.9	2.4		30	–	257	–	L	4	1.32	5.3	4	0	0	0	0	0	<.3	2	<.3	40	0	–	–	–	–		(SEGMENT ADJUSTED TO 1 KM FROM .7
V END	1500.0	7.0	2.8																								–		

LINE	10	DATE	233	YEAR	1973	GOUGE DEPTH DISTRIBUTION : > 1 METER

SEGMENT	1.0-1.2	1.2-1.4	1.4-1.6	1.6-1.8	1.8-2.0	2.0-2.2	2.2-2.4	2.4-2.6	2.6-2.8	2.8-3.0	3.0-3.2	3.2-3.4	3.4-3.6	3.6-3.8	3.8-4.0
EF	—														
FG	1														
NO	1														

SIMRAD

ICE GOUGE DATA RECORD 1973

TRACKLINE: 11
DATE: 233

VESSEL	LOON
TEMPLATE SIZE	4.5 KTS.

SEG. SCALE 1:1953

SIMRAD RESOLUTION = .3+(M)

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ° DOM/SUB	ADJUSTED ORIENTATION °T DOM	ADJUSTED ORIENTATION °T SUB	ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS (SIMRAD)
AB 1	1734.0	6.6	0.8	053	35/–	88	–	L	6	1.22	7.3	6	0	0	0	0	0	<.3	1	<.3	225	0	–	–	–	–	150	RANGE GIVEN 500' (=152 M) FUNNY BOTTOM (BOULDERS)
BC 2	1741.2	7.0	1.2		35/–	88	–	L	5	1.22	6.1	5	0	0	0	0	0	<.3	2	.6	19	0	–	–	–	–		POSSIBLE BOULDERS ON SIMRAD BUT NOT SEEN ON SONAR
CD 3	1748.4	8.8	2.0		50/–	103	–	L	5	1.04	5.2	5	0	0	0	0	0	<.3	<1	<.3	125	0	–	–	–	–		SONAR PICKING UP SMALL DOTS THAT PERSIST TO END OF LINE.
DE 4	1755.6	9.8	2.6		50/–	103	–	L	5	1.04	5.2	3	0	2	0	0	0	.6	1	.3	155	0	–	–	–	–		FUNNY BOTTOM (BOULDERS)
EF 5	1802.8	12.0	3.2		30/–	83	–	L	6	1.32	7.9	4	0	2	0	0	0	.5	5	.4	50	0	–	–	–	–		
FG 6	1810.0	13.6	3.5		160/40	213	93	L	31	1.60	49.6	30	1	0	0	0	0	.3	4	<.3	600	1	2	8	223	–		SIMRAD SHOWS WISKERS
GH 7	1817.2	16.3	3.9		30/150	83	203	M	69	1.32	91.1	69	0	0	0	0	0	<.3	8	.3	190	3	2	8	73	–		SIMRAD WISKERS
HI 8	1824.4	18.4	4.5		35/160	88	213	M	76	1.22	92.7	76	0	0	0	0	0	<.3	10	<.3	215	1	2	5	63	–		
IJ 9	1831.6	20.8	5.2		40/130	93	183	H	115	1.15	132.3	111	4	0	0	0	0	.3	12	.5	275	1	2	5	63	–		(Segment adjusted to one kilometer)
J END	1837.0	21.6	5.7																							–		

SIMRAD

ICE GOUGE DATA RECORD

1973

TRACKLINE: 12

DATE: 234

VESSEL	LOON
TEMPLATE SIZE	5.1 KTS.

SEG. SCALE 1:1953 & 1:1736

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION ° DOM/SUB	ADJUSTED ORIENTATION DOM	ADJUSTED ORIENTATION SUB	°T ORIENTATION VARIABILITY HIGH MED LOW	NUMBER OF INCISIONS OBS	CORRECTION FACTOR ⊥	GOUGE DENSITY PER KM	INCISION DEPTH DISTRIBUTION METERS NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	MAXIMUM INCISION WIDTH M	MAXIMUM RIDGE HEIGHT M	MAXIMUM GOUGE LENGTH M	MULTI-INCISION GOUGES NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
1 AB	0752 .0	3.6	—	267	160/—	67	—	L	1	1.60	1.6	1	0	0	0	0	0	<.3	1	<.3	62	0	—	—	—	—	150	LEFFINGWELL LAGOON —
2 BC	0758 .3	4.6	—		—/—	—	—	—	0	—	0	—	—	—	—	—	—	<.3	—	<.3	—	0	—	—	—	—		
3 CD	0806 .4	5.4	—		15/—	282	—	L	2	1.82	3.6	2	0	0	0	0	0	<.3	1	<.3	30	0	—	—	—	—		
4 DE	0812 .4	5.5	—		—/—	—	—	—	0	—	0	—	—	—	—	—	—	<.3	—	<.3	—	0	—	—	—	—		
5 EF	0820 .1	5.6	—		25/—	292	—	L	1	1.44	1.4	1	0	0	0	0	0	<.3	1	<.3	35	0	—	—	—	—		
6 FG	0826 .3	5.7	—		—/—	—	—	—	0	—	0	—	—	—	—	—	—	<.3	—	<.3	—	0	—	—	—	—		
7 GH	0832 .0	5.8	—		120/—	27	—	L	1	.98	1.0	1	0	0	0	0	0	<.3	1	<.3	20	0	—	—	—	—		
8 HI	0838 .4	6.1	—		—/—	—	—	—	0	—	0	—	—	—	—	—	—	<.3	—	<.3	—	0	—	—	—	—		SMALL STRUDELS PRESENT (10M MAX.) SAND RIPPLES (12°T)
9 IJ	0845 .0	5.6	—		—/—	—	—	—	0	—	0	—	—	—	—	—	—	<.3	—	<.3	—	0	—	—	—	—		SAND RIPPLES (22°T)
10 JK	0853 .9	5.5	—		50/150	317	57	L	7	1.04	7.3	7	0	0	0	0	0	<.3	2	<.3	135	0	—	—	—	—		SAND RIPPLES (02°T)
11 KL	0902 .0	5.1	—	002	50/—	52	—	L	5	1.04	5.2	5	0	0	0	0	0	<.3	6	<.3	90	0	—	—	—	—		SAND RIPPLES (47°T) TICK MARKS (1) 52°T L=105M W=7M
12 LM	0909 .1	5.5	—		65/—	67	—	L	1	.97	1.0	1	0	0	0	0	0	<.3	1	<.3	130	0	—	—	—	—		SAND RIPPLES (47°T)
13 MN	0917 .1	6.2	—	317	20/—	337	—	L	3	1.60	4.8	3	0	0	0	0	0	<.3	3	<.3	320	0	—	—	—	—		SAND RIPPLES (352°T) (62°T)
14 NO	0924 .7	4.1	—		160/—	117	—	L	3	1.60	4.8	3	0	0	0	0	0	<.3	3	<.3	132	0	—	—	—	—		SAND RIPPLES (57°T)
15 OP	0931 .7	3.5	—		145/—	102	—	L	3	1.22	3.7	3	0	0	0	0	0	<.3	2	<.3	162	0	—	—	—	—		SAND RIPPLES (57°T)
16 PQ	0940 .5	4.5	—		—/—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		(NO SONAR FOR THIS SEGMENT)