DISTANCE FROM COAST: A = 51 KM ; X = 49 KM

ICE GOUGE DATA RECORD 1972

SEGMENT SCALE 1:7300

TRACKLINE: G7 | DATE: 253

VESSEL	GLACIER
TEMPLATE SIZE	7.2 KTS

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 CONFIDENCE VARIABILITY	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
AB 1	0625.0	46.6		112	165/—	277	—	L	9	1.19	10 .7	9	0	0	0	0	0	<.4	7	<.4		2	4	106	277		300	SONAR RECORD POOR BUT USEABLE.
BC 2	0630.2	46.5			165/—	277	—	L	5	1.19	6.0	5	0	0	0	0	0	<.4	15	<.4		1	4	52	277			
CD 3	0635.4	46.3			155/—	267	—	L	5	1.03	5.2	5	0	0	0	0	0	<.4	11	<.4		1	3	25	267			
DE 4	0640.8	46.0			140/165	252	277	M	9	.91	8.2	9	0	0	0	0	0	<.4	30	<.4		0	—	—	—			
EF 5	0646.2	45.8			165/—	277	—	L	6	1.19	7.1	6	0	0	0	0	0	<.4	23	<.4		0	—	—	—			
FG 6	0651.3	45.0			155/—	267	—	L	10	1.03	10 .3	10	0	0	0	0	0	<.4	12	<.4		0	—	—	—			
GH 7	0656.6	45.2			140/150	252	262	L	29	.91	26 .4	26	0	1	2	0	0	.6	26	<.4		4	5	61	262			
HI 8	0702.0	43.9			165/15	277	128	L	35	1.19	41 .7	35	0	0	0	0	0	<.4	17	<.4		2	5	80	272			
IJ 9	0707.0	43.5			—/—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—		150	NO SONAR FOR THIS SEGMENT.
JK 10	0712.8	43.0			165/130	277	242	L	26	1.82	47 .3	20	0	5	1	0	0	.7	25	.5		1	2	19	282			Gouges ARE VERY FEINT AND APPEAR INFILLED. HARD TO SEE DISTINCT RIDGES.
KL 11	0718.2	42.5			155/175	267	287	M	33	1.44	47 .5	30	0	2	1	0	0	.6	29	.6		2	2	21	222			THIS MAY BE DUE TO THE CHANGE IN RANGE.
LM 12	0723.3	43.3			160/10	272	122	L	11	1.60	17 .6	11	0	0	0	0	0	<.4	24	.5		1	3	31	122			
MN 13	0728.5	44.1			155/135	267	247	L	25	1.44	36 .0	23	0	2	0	0	0	.5	22	.6		1	3	11	117			
NO 14	0733.8	44.0			150/115	262	227	L	35	1.32	46 .2	35	0	0	0	0	0	<.4	17	<.4		2	2	49	272			
OP 15	0739.0	43.8			155/170	267	282	L	37	1.03	38 .1	32	0	3	1	1	0	.9	34	.8		4	3	82	267		300	
PQ 16	0744.5	43.1			170/145	282	257	L	25	1.31	32 .8	25	0	0	0	0	0	<.4	23	<.4		2	2	25	282			

ICE GOUGE DATA RECORD

1972

TRACKLINE: G7
DATE: 253
SEGMENT

VESSEL: GLACIER
TEMPLATE SIZE: 7.2 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 °T	ADJUSTED ORIENTATION SUB °T	ORIENTATION VARIABILITY (GOOD, FAIR, POOR)	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	DOMINANT ORIENTATION	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
QR 17	0749.6	43.2		112	170/145	282	257	L	26	1.31	34 .1	26	0	0	0	0	0	<.4	19	<.4		2	2	31	239		300	
RS 18	0755.0	43.9			165/155	277	267	M	24	1.19	28 .6	24	0	0	0	0	0	<.4	20	<.4		0	—	—	—			
ST 19	0800.0	44.0		114	150/165	262	277	M	17	.98	16 .7	17	0	0	0	0	0	<.4	29	<.4		0	—	—	—			
TU 20	0805.5	43.2			160/—	272	—	L	9	1.10	9.9	6	0	2	0	1	0	1.0	35	1.1		0	—	—	—			
UV 21	0811.0	43.7			140/165	252	277	M	13	.91	11 .8	13	0	0	0	0	0	<.4	53	<.4		0	—	—	—			
VW 22	0816.2	44.0			170/140	282	252	L	14	1.31	18 .3	14	0	0	0	0	0	<.4	50	<.4		0	—	—	—			
WX 23	0821.2	43.0			165/150	277	262	L	7	1.19	8.3	7	0	0	0	0	0	<.4	10	<.4		0	—	—	—			
X END	0826.0	41.8																										

DISTANCE FROM COAST: A = 63 KM ; P = 76 KM

ICE GOUGE DATA RECORD

1972

SEGMENT SCALE 1:1117

VESSEL	GLACIER
TEMPLATE SIZE	2.5 KTS

TRACKLINE 68 — DATE 253

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 CONFIDENCE (HIGH, GOOD, LOW) VARIABILITY	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 DISTRIBUTION WIDTH M	DOMINANT ORIENTATION °T	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
AB 1	1604.0	29.0		042	75/105	117	147	L	89	.96	85.4	48	0	13	10	9	9	1.8	8	1.9		6	7	45	067		150	12 KHZ FATHOGRAM AND SONAR AND SEISMIC - SONAR VERY POOR THIS SEGMENT. HIGHLY GOUGED SEA FLOOR
BC 2	1617.5	29.0			70/35	112	077	L	190	.96	182.4	148	0	7	7	10	18	2.8	8	2.1		3	5	36	097			NUMEROUS SMALL GOUGES (NARROW AND SHALLOW).
CD 3	1630.7	30.4			75/50	117	092	L	139	.96	133.4	95	0	18	8	7	11	1.5	7	2.0		0	—	—	—			
DE 4	1644.0	30.6		042	75/—	117	—	L	160	.96	153.6	114	0	21	8	6	11	2.4	6	2.1		2	5	40	062			
EF 5	1657.0	30.0			80/110	122	152	L	184	.96	176.6	148	0	19	8	3	6	2.8	15	2.7		4	7	35	097			
FG 6	1710.0	36.2			75/50	117	092	L	141	.96	135.4	107	0	13	3	6	12	4.0	29	2.0		3	2	26	092			GOUGING IS MORE SUBDUED - GOUGES AND RIDGES SEEM NOT AS FRESH - SEDIMENTATI TAKING PLACE? DEEPEST GOUGE
GH 7	1723.2	38.1			75/50	117	092	L	106	.96	101.8	68	0	11	5	4	18	3.0	10	1.8		2	2	28	092			FOUND ON SHELF (4.0 M DEEP - SMALL LATERAL EMBANKMENTS - WATER DEPTH = 35 M).
HI 8	1737.0	41.0			—/—	—	—	—	—	—	—	—	0	—	—	—	—	3.6	—	2.1		—	—	—	—			NO SONAR THIS SEGMENT
IJ 9	1750.0	41.1			—/—	—	—	—	—	—	—	—	0	—	—	—	—	3.0	—	2.5		—	—	—	—			NO SONAR THIS SEGMENT
JK 10	1804.0	45.0			80/55	122	097	L	120	.96	115.2	89	0	24	2	3	2	2.5	12	1.9		3	2	10	107			DEEP GOUGING ENDS JUST PAST PT. J IN 45 M OF WATER. MANY GOUGE BUT THEY APPEAR SEDIMENT INFILLED.
KL 11	1816.6	46.7			80/135	122	177	L	125	.96	120.0	109	0	11	2	2	1	1.0	35	.7		0	—	—	—			SOME SEDIMENT WAVES BEGINNING IN THIS SEGMENT. ONLY ONE FRESH GOUGE WIDEST GOUGE IS HEAVILY INFILLED (177°T
LM 12	1830.5	50.0			80/125	122	167	L	59	.96	56.6	53	0	6	0	0	0	.6	38	.4		1	6	44	122			SEISMIC RECORD AND SONAR FROM THIS POINT (L) ON. GOUGE DEPTHS LESS PRECISE.
MN 13	1843.2	54.2			80/—	122	—	L	25	.96	24.0	20	0	5	0	0	0	.5	13	<.4		0	—	—	—			SEDIMENT WAVES AT SHELF EDGE (172°T ; 5 and 10 M SPACING BETWEEN TROUGHS)
NO 14	1856.2	57.8			90/—	132	—	L	19	1.00	19.0	19	0	0	0	0	0	<.4	9	<.4		0	—	—	—			SEDIMENT WAVES (147°T + 5M SPACING LAST GOUGE PAST PT. O (10M WIDE - 117°T)
OP 15	1910.0	60.5			—/—	—	—	—	—	—	—	—	0	—	—	—	—	—	—	—		—	—	—	—			SHELF BREAK AT PT. O - NO SONAR FOR SEGMENT - SEGMENT CONSISTS OF UPPER CONTINENTAL SLOPE - SLOPE
P END	1923.0	125.0			/								0															APPEARS TO CONSIST OF SLUMP (FAULT?) BLOCKS. (SEE ART GRANTZ).

LINE	G8	DATE	253	YEAR	1972	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
AB	5	1	2	0	1	—	—	—	—	—	—	—	—	—	—
BC	10	1	0	0	2	2	0	1	1	1	—	—	—	—	—
CD	8	2	1	—	—	—	—	—	—	—	—	—	—	—	—
DE	3	3	1	1	0	1	1	1	—	—	—	—	—	—	—
EF	0	2	2	0	0	1	0	0	1*	—	—	—	—	—	—
FG	4	2	2	0	0	1	0	1	0	0	1	0	0	0	* 1 4.0
GH	6	5	4	0	0	0	0	0	0	1	2	—	—	—	—
JK	1	0	0	0	0	0	0	1	—	—	—	—	—	—	—
KL	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* DEEPEST GOUGE ON SHELF.

DISTANCE FROM COAST: A = 80 KM ; F = 82 KM

ICE GOUGE DATA RECORD 1972

SEGMENT SCALE 1:3115 R = 300

VESSEL	GLACIER
TEMPLATE SIZE	3.1 KTS

TRACKLINE: G9
DATE: 253
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 DISLOCATION WIDTH (M)	DOMINANT ORIENTATION (°T)	DEPTH TO FIRST REFLECTOR (M)	SONAR RANGE (M)	REMARKS
AB 1	2305.0	—		245	— / —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—		150	CAN NOT SEE BOTTOM. TOO DEEP FOR FISH HEIGHT AND RANGE.
BC 2	2318.8	—			70 / —	315	—	L	22	.87	19 .1	—	—	—	—	—	—	—	5	—		0	—	—	—		300	BOTTOM COMMING UP.
CD 3	2332.0	—			70 / 100	315	345	M	32	.87	27 .8	—	—	—	—	—	—	—	14	—		0	—	—	—			
DE 4	2345.0	—			70 / 120	315	005	M	36	.87	31 .3	—	—	—	—	—	—	—	13	—		0	—	—	—			
EF 5	2358.4	—			120 / 50	005	295	L	17	.98	16 .7	—	—	—	—	—	—	—	8	—		0	—	—	—		150	
F END	0012.0	—																										

DISTANCE FROM COAST : A = 82 KM ; PP = 40 KM

ICE GOUGE DATA RECORD

1972

SEGMENT SCALE 1:2392

TRACKLINE: G10

DATE: 254

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
AB 1	0130.0	69.6		238	— / —	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—		150	FAULT BLOCKS OR SLUMP BLOCKS AT THE SHELF "BREAK (SEE ART GRANTZ). SEDIMENT WAVES AT THE SHELF EDGE.
BC 2	0139.0	61.0			— / —	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			ORIENTATIONS RANGE FROM 103°T TO 168 and AVERAGE 128°T. SED. WAVES ARE 3-5 M WIDE.
CD 3	0144.2	57.2			55 / 90	293	328	M	2	1.01	2.0	2	0	0	0	0	0	<.4	5	<.4		0	—	—	—			LAST GOUGE ON THE SHELF IS 150 M INSI OF PT. C. SEDIMENT WAVES.
DE 4	0150.5	55.0			35 / —	273	—	L	6	1.22	7.3	4	0	2	0	0	0	.4	13	<.4		0	—	—	—			SEDIMENT WAVES.
EF 5	0157.0	54.0			— / —	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			SEDIMENT WAVES (108°T)
FG 6	0203.4	53.5			60 / —	298	—	L	2	.98	2.0	2	0	0	0	0	0	<.4	4	<.4		0	—	—	—			SEDIMENT WAVES (028°T) V. STRONG
GH 7	0210.0	54.0			65 / —	303	—	L	1	.97	1.0	1	0	0	0	0	0	<.4	3	<.4		0	—	—	—			SED. WAVES (118°T)
HI 8	0216.8	53.0			65 / —	303	—	L	4	.97	3.9	4	0	0	0	0	0	<.4	5	<.4		0	—	—	—			SED. WAVES (118°T)
IJ 9	0223.2	52.6			60 / 120	298	358	M	20	.98	19 .6	19	0	1	0	0	0	.4	6	<.4		3	4	32	298			SED. WAVES (123°T)
JK 10	0230.0	52.1			60 / 30	298	268	L	18	.98	17 .6	15	0	2	0	0	1	1.0	20	.4		0	—	—	—			GOUGES APPEAR INFILLED. SED. WAVES (128°T)
KL 11	0236.0	50.5			60 / 130	298	008	L	31	.98	30 .4	29	0	2	0	0	0	.4	17	<.4		3	3	50	008			SEDIMENT WAVES (028°T) V. STRONG GOUGES ARE INFILLED WITH LITTLE RELIEF
LM 12	0242.6	50.0			35 / 50	273	288	L	15	1.22	18 .3	14	0	0	0	1	0	.8	14	<.4		1	2	11	303			SED. WAVES (123°T) GOUGES INFILLED
MN 13	0249.0	50.0			30 / 150	268	028	M	18	1.32	23 .8	17	0	0	1	0	0	.6	33	<.4		0	—	—	—			SED. WAVES (133°T + 018°T) GOUGES INFILLED
NO 14	0256.4	50.6			75 / —	313	—	L	4	.96	3.8	4	0	0	0	0	0	<.4	6	<.4		0	—	—	—			SEDIMENT WAVES (108°T)
OP 15	0304.0	49.2			55 / —	293	—	L	2	1.01	2.0	2	0	0	0	0	0	<.4	6	<.4		0	—	—	—			SEDIMENT WAVES (103°T)
PQ 16	0311.3	47.8		↓	65 / 130	303	008	L	23	.97	22 .3	22	0	0	0	1	0	.8	24	.4		2	3	41	298			SEDIMENT WAVES (123°T) GOUGES INFILLED.

VESSEL	GLACIER
TEMPLATE SIZE	4.8 KTS

ICE GOUGE DATA RECORD 1972

TRACKLINE: G10 | DATE: 254 | SEGMENT

VESSEL: GLACIER | TEMPLATE SIZE: 4.8 KTS

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 °T SUB	ORIENTATION VARIABILITY (HIGH 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 FLUKE REFLECTOR M	SONAR RANGE M	REMARKS
QR 17	0319.0	45.9		238	40/60	278	298	L	30	1.15	34 .5	30	0	0	0	0	0	<.4	24	<.4		0	—	—	—		150	SONAR MAY BE PICKING UP A SEDIMENT TYPE OR CONSOLIDATION DIFFERENCES SUCH THAT SOME GOUGES MAY NOT
RS 18	0326.0	44.1			45/—	283	—	L	29	1.09	31 .6	26	0	3	0	0	0	.4	10	<.4		1	2	30	283			ACTUALLY HAVE RELIEF (MAY BE THES ARE OLDER THAN MOST GOUGES SEEN O THE SHELF). NEWER GOUGES ARE SEEN
ST 19	0333.4	42.0			45/65	283	303	L	37	1.09	40 .3	34	0	1	1	1	0	.8	35	.7		2	4	38	303			IN SEGMENT RS (ROUGH CHARACTERISTI OF THE RIDGES BOUNDING THEM.). GROUND SWELL CAUSING DIFFICULTY
TU 20	0340.1	40.5			60/40	298	278	L	49	.98	48 .0	42	0	2	1	2	2	1.0	21	.8		0	—	—	—			WITH GOUGE DEPTH COUNT. GOUGING BECOMING MORE INTENSE IN THIS SEGMENT (TU).
UV 21	0347.0	38.0			45/60	283	298	M	95	1.09	103 .6	88	0	5	1	0	1	1.3	14	1.0		2	2	15	298			
VW 22	0353.5	33.8			50/40	288	278	M	121	1.04	125 .8	111	0	4	3	2	1	1.3	15	1.0		0	—	—	—			MANY SMALL (NARROW AND SHALLOW) GOUGES. (AVERAGE ~ 3 M WIDTH.)
WX 23	0400.7	31.2			—/—	—	—	—	—	—	—	—	0	—	—	—	—	1.1	—	.8		—	—	—	—			NO SONAR THIS SEGMENT.
XY 24	0407.2	29.3			45/15	283	253	L	139	1.09	151 .5	129	0	8	0	2	0	.8	12	1.5		5	4	39	283			MANY SMALL GOUGES.
YZ 25	0414.0	28.0			45/115	283	353	L	134	1.09	146 .1	132	0	2	0	0	0	.4	8	.5		3	4	29	283			MANY SMALL GOUGES.
ZAA 26	0419.0	27.0			45/65	283	~~293~~ 303	L	159	1.09	173 .3	154	0	2	1	2	0	.8	8	.9		4	2	12	283			MANY SMALL GOUGES.
AABB 27	0424.4	25.9			40/15	278	253	L	107	1.15	123 .1	100	0	6	0	0	1	1.1	10	1.5		3	4	27	048			
BBCC 28	0429.7	23.8			50/165	288	043	L	155	1.04	161 .2	139	0	7	3	3	3	1.5	10	2.0		4	5	78	288			
CCDD 29	0435.5	23.0			50/175	288	053	L	104	1.04	108 .2	96	0	2	3	2	1	1.1	16	1.0		5	7	49	053			
DDEE 30	0443.0	22.2			50/120	288	358	L	155	1.04	161 .2	138	0	8	3	2	4	1.3	15	2.0		4	6	41	053			
EEFF 31	0447.9	21.7			40/145	278	023	L	133	1.15	153 .0	114	0	12	2	2	3	1.3	52	1.8		1	3	20	358			(1 WIDE, FLAT BOTTOMED GOUGE - 52 M WIDE
FFGG 32	0457.4	19.5			45/140	283	017	L	166	1.23	204 .2	150	0	5	4	6	1	1.5	13	1.0		9	8	28	283		75	

ICE GOUGE DATA RECORD 1972

TRACKLINE: 610
DATE: 254

VESSEL	GLACIER
TEMPLATE SIZE	4.8 KTS

SEGMENT KM	START TIME HOURS MINUTES TENTHS	START DEPTH M	DISTANCE FROM COAST KM	SHIP'S COURSE °T	OBSERVED ORIENTATION DOM	OBSERVED ORIENTATION SUB	ADJUSTED ORIENTATION DOM °T	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	DOMINANT ORIENTATION	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
GGHH 33	0504.5	18.9		238	—	—	—	—	—	—	—	—	—	0	—	—	—	—	1.5	—	1.0		—	—	—	—		150	SONAR UNUSABLE DUE TO GROUND SWELL.
HHII 34	0511.3	18.8			—	—	—	—	—	—	—	—	—	0	—	—	—	—	1.0	—	.6		—	—	—	—			SONAR UNUSABLE AT THIS SCALE DUE TO GROUND SWELL.
IIJJ 35	0518.5	19.0			—	—	—	—	—	—	—	—	—	0	—	—	—	—	1.6	—	1.6		—	—	—				
JJKK 36	0525.4	19.8			—	—	—	—	—	—	—	—	—	0	—	—	—	—	1.0	—	.7		—	—	—	—			
KKLL 37	0531.8	20.8			35	15	273	253	L	94	1.44	135 .4	84	0	8	1	1	0	.9	6	1.0		1	6	33	253		75	SONAR POOR BUT USABLE.
LLMM 38	0538.0	20.8			50	20	288	258	L	108	1.16	125 .3	96	0	8	3	1	0	.9	6	1.0		0	—	—	—			
MMNN 39	0544.0	20.2			45	—	283	—	L	87	1.23	107 .0	79	0	2	3	3	0	.9	11	.6		0	—	—	—			
NNOO 40	0549.4	21.0			40	—	278	—	L	67	1.32	88 .4	61	0	6	0	0	0	.5	10	.6		1	9	19	048			
OOPP 41	0555.0	21.0			50	25	288	263	L	97	1.16	112 .5	88	0	8	0	1	0	.8	8	.5		1	9	17	048			
PP END	0601.0	20.1																											

LINE	G10	DATE	254	YEAR	1972	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
JK	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TU	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UV	0	1	—	—	—	—	—	—	—	—	—	—	—	—	—
VW	0	1	—	—	—	—	—	—	—	—	—	—	—	—	—
AABB	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BBCC	2	0	1	—	—	—	—	—	—	—	—	—	—	—	—
CCDD	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
DDEE	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—
EEFF	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—
FFGG	0	0	1	—	—	—	—	—	—	—	—	—	—	—	—

DISTANCE FROM COAST : A = 39 KM ; DD = 65 KM

ICE GOUGE DATA RECORD

1972

SEGMENT SCALE 1:2392

TRACKLINE	DATE	SEGMENT	VESSEL	TEMPLATE SIZE
G 11	254		GLACIER	4.8 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	°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	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
AB 1	0910.0	20.6		007	100/60	107	067	L	163	.96	156/.5	156	0	4	2	1	0	.9	8	1.0		3	4	32	067		150	SEGMENT AB AND BC - USED 2.5 KT 150 M RANGE TEMPLATE FOR SONAR. MANY SMALL GOUGES (NARROW & SHALL
BC 2	0928.0	21.5			100/80	107	087	L	209	.96	200/.6	196	0	8	3	2	0	.9	7	.6		3	8	40	137			MANY SMALL GOUGES (AVERAGE ~2-3 M WIDE)
CD 3	0946.0	20.9			100/150	107	157	L	128	.96	122/.9	110	0	9	4	3	3	1.5	8	1.2		3	4	12	007			
DE 4	0955.3	19.0			105/25	112	033	L	113	.96	108/.5	94	0	9	5	4	4	1.4	10	1.1		3	3	20	137			
EF 5	1004.0	20.0			105/150	112	157	M	154	.96	149/.8	125	0	12	9	4	1	1.1	15	.8		2	2	17	052			MANY SMALL GOUGES
FG 6	1012.5	21.6			110/160	117	167	M	112	.96	107/.5	102	0	5	2	0	3	1.2	16	1.1		4	2	25	167			
GH 7	1020.8	22.0			140/100	147	107	M	81	1.15	93/.2	51	0	9	5	6	10 ~~7~~	2.0 ~~1.6~~	37	1.3		0	–	–	–			GOUGES ARE MUCH LARGER (WIDER) SONAR POOR.
HI 8	1029.4	23.7			135/100	142	107	L	73	1.09	79/.6	56	0	7	3	4	3	1.5	18	1.1		2	3	27	177			
IJ 9	1038.1	28.2			105/65	112	072	L	78	.96	74/.9	54	0	13	2	2	7	2.3	50	1.0		1	2	24	017			(SOME WIDE, DEEP GOUGES)
JK 10	1047.4	33.1			85/125	092	132	L	17	.98	16/.7	10	0	1	0	0	6	2.5	56	1.0		0	–	–	–			
KL 11	1054.2	38.3			95/–	102	–	L	8	.98	7.8	6	0	0	0	0	2	2.1	15	1.1		0	–	–	–			
LM 12	1101.0	43.0			60/110	067	117	L	11	.98	10/.8	11	0	0	0	0	0	<.4	11	<.4		1	3	38	077			
MN 13	1108.0	44.5			85/70	092	077	L	25	.98	24/.5	25	0	0	0	0	0	<.4	32	<.4		1	3	38	097			GOUGES APPEAR TO BE INFILLED. (NO FRESH GOUGES)
NO 14	1115.0	47.0			90/55	097	062	L	27	1.00	27/.0	24	0	0	1	2	0	.9	35	.5		1	3	47	062			(NO FRESH GOUGES)
OP 15	1122.0	49.0			85/45	092	052	M	19	.98	18/.6	18	0	0	0	1	0	.8	30	<.4		0	–	–	–			(NO FRESH GOUGES)
PQ 16	1128.9	50.0			95/60	102	067	M	10	.98	9.8	10	0	0	0	0	0	<.4	15	<.4		1	2	20	067			

ICE GOUGE DATA RECORD

1972

TRACKLINE: G 11

DATE: 254

VESSEL: GLACIER

TEMPLATE SIZE: KTS

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 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	1136.0	51.0		007	60/—	067	—	L	13	.98	12 .7	13	0	0	0	0	0	<.4	11	<.4		1	3	35	117		150	
RS 18	1145.0	51.5			40/90	047	097	L	10	1.15	11 .5	9	0	0	0	1	0	.8	11	.6		0	—	—	—			
ST 19	1154.0	51.0			55/—	062	—	L	47	1.02	47 .5	44	0	2	0	1	3	1.5	24	.9		2	3	49	057			(SOME FRESH GOUGING) SEAFLOOR COMES UP ~4 M OVER SEGMENT LENGTH. SHOAL IS APPROXIMATELY 2 KM LONG. THIS ACCOUNTS FOR THE HIGHER DENSITY AND FRESHER GOUGES.
TU 20	1203.0	47.0			50/70	057	077	L	83	1.04	86 .3	64	0	7	5	4	3	1.2	50	1.1		2	2	36	017			
UV 21	1215.8	50.5			55/25	057	032	L	21	1.01	21 .2	12	0	2	3	3	1	1.0	25	1.8		0	—	—	—			
VW 22	1223.0	51.0			70/—	077	—	L	16	.96	15 .4	13	0	3	0	0	0	.5	16	1.2		1	2	14	087			
WX 23	1230.0	51.5			60/—	067	—	L	18	.98	17 .6	13	0	3	2	0	0	.6	30	.7		2	4	36	102			
XY 24	1237.7	53.0			65/—	072	—	L	8	.97	7.8	8	0	0	0	0	0	<.4	5	<.4		1	3	36	102			SEDIMENT WAVES (087°T)
YZ 25	1246.0	55.2			50/25	057	032	L	6	1.04	6.2	6	0	0	0	0	0	<.4	10	<.4		0	—	—	—			SED. WAVES
ZAA 26	1254.0	56.0			25/50	032	057	M	17	1.44	24 .5	17	0	0	0	0	0	<.4	16	<.4		1	8	102	032			GOUGES INFILLED-
AABB 27	1301.7	56.0			40/—	047	—	L	7	1.15	8.1	7	0	0	0	0	0	<.4	21	<.4		0	—	—	—			
BBCC 28	1309.8	56.5			50/—	057	—	L	9	1.04	9.4	9	0	0	0	0	0	<.4	6	<.4		1	5	56	057			
CCDD 29	1317.3	58.0			110/—	117	—	L	2	.96	1.9	2	0	0	0	0	0	<.4	5	<.4		0	—	—	—			SED WAVES (117°T)-NOT A STRONG REFLECTOR
DD END	1328.0	62.0																										