DISTANCE FROM COAST : A = 36 KM ; DD = 62 KM

ICE GOUGE DATA RECORD 1972

SEGMENT SCALE 1:2392

TRACKLINE: G12 | DATE: 254 | SEGMENT

VESSEL	GLACIER
TEMPLATE SIZE	1.8 KTS

KM	START TIME (HOURS MINUTES TENTHS)	START DEPTH (M)	DISTANCE FROM COAST (KM)	SHIP'S COURSE (°T)	OBSERVED ORIENTATION (DOM/SUB)	ADJUSTED ORIENTATION (°T) DOM	ADJUSTED ORIENTATION (°T) SUB	ORIENTATION VARIABILITY (HIGH AND 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	1930.0	26.0		000	110/05	110	005	L	90	.96	86 .4	72	0	8	2	3	5	2.3	6	.5		5	7	44	005		150	SEISMIC RECORD USED FOR GOUGE DEPTH MEASUREMENTS
BC 2	1937.3	30.7			100/—	100	—	L	71	.96	68 .2	46	0	14	2	4	5	1.8	29	1.1		2	9	48	010			
CD 3	1944.2	32.0			110/50	110	050	L	69	.96	66 .2	50	0	9	3	2	5	2.7	18	1.0		0	—	—	—			
DE 4	1951.3	34.2			100/50	100	050	L	68	.96	65 .3	48	0	10	3	2	5	2.1	10	1.5		2	2	23	010			
EF 5	1958.2	35.7			110/60	110	060	M	64	.96	61 .4	37	0	10	4	4	9	3.0	20	1.6		1	2	10	075			
FG 6	2005.4	37.6			105/40	105	040	L	52	.96	49 .9	31	0	8	4	5	4	1.3	16	1.2		0	—	—	—			
GH 7	2012.6	39.4			—/—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—			NO SONAR THIS SEGMENT, 4 GOUGES OVER ONE METER DEEP - 2 M MAX.
HI 8	2019.8	39.1			100/60	100	060	L	57	.96	54 .7	36	0	15	3	1	2	1.3	19	2.0		2	3	36	060			
IJ 9	2027.3	40.5			105/60	105	060	M	62	.96	59 .5	48	0	8	1	2	3	1.1	14	1.5		1	2	31	020			
JK 10	2034.2	41.6			105/—	105	—	L	74	.96	71 .0	54	0	14	3	2	1	1.2	24	.9		1	2	27	045			
KL 11	2041.4	43.0			105/30	105	030	M	94	.96	90 .2	83	0	7	2	0	2	1.0	23	1.6		1	2	33	020			
LM 12	2049.0	45.3			70/25	070	025	L	79	.96	75 .8	57	0	19	1	1	1	1.1	28	.8		4	6	66	020			
MN 13	2057.0	46.8		070	35/—	105	—	L	56	1.22	68 .3	43	0	12	1	0	0	.8	16	<.4		1	4	27	105			
NO 14	2105.0	47.2			35/—	105	—	L	49	1.22	59 .8	39	0	7	2	1	0	.9	37	<.4		3	4	40	105			
OP 15	2113.0	47.4			30/—	100	—	L	21	1.32	27 .7	11	0	9	1	0	0	.6	15	<.4		1	2	40	120			
PQ 16	2121.5	48.7		340	115/—	095	—	L	23	.96	22 .1	11	0	8	0	0	0	.5	21	<.4		1	2	30	105			SEDIMENT WAVES - 150°T

ICE GOUGE DATA RECORD

1972

TRACKLINE: G12

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 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	2129.7	49.4		340	150	100	130	080	L	17	1.32	22 .4	11	0	5	0	1	0	.9	51	.5		0	—	—	—		150	
RS 18	2138.0	51.0			55	110	035	090	L	19	1.01	19 .2	15	0	4	0	0	0	.4	18	<.4		0	—	—	—			
ST 19	2146.1	52.0			145	—	125	—	L	3	1.22	3.7	3	0	0	0	0	0	<.4	15	<.4		0	—	—	—			
TU 20	2153.8	54.3			60	—	040	—	L	27	.98	26 .5	18	0	5	1	3	0	.8	3	<.4		3	6	49	040			
UV 21	2201.7	56.2			—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			
VW 22	2209.5	58.6			100	—	080	—	L	29	.96	27 .8	27	0	0	0	1	1	1.1	5	<.4		1	4	68	120			
WX 23	2217.0	59.5		000	95	130	095	130	M	13	.98	12 .9	13	0	0	0	0	0	<.4	23	<.4		0	—	—	—			
XY 24	2225.3	63.0			—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			
YZ 25	2233.0	67.5			—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			BOTTOM IS VERY IRREGULAR. 3 METER SHOAL AT PT. Z WITH SHOALS CONTINUING TO PT. AA.
ZAA 26	2241.0	69.1			—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			5 METER DEEP TROUGH BETWEEN RELATIVELY STEEP SIDED SHOALS.
AABB 27	2248.8	65.0			120	—	120	—	L	12	.98	11 .8	12	0	0	0	0	0	<.4	9	<.4		0	—	—	—			GOUGES ARE FRESH AND DO NOT APPEAR OF RECENT ORIGIN. THIS MAY BE A FEATURE OF THE INCREASING DEPTH ON RECORD QUALITY
BBCC 28	2257.0	64.0			130	—	130	—	L	22	1.04	22 .9	22	0	0	0	0	0	<.4	10	<.4		0	—	—	—			PASS FROM CONTINENTAL SHELF TO CONTINENTAL SLOPE.
CCDD 29	2305.0	64.1			125	65	125	65	L	26	1.01	26 .3	26	0	0	0	0	0	<.4	6	<.4		0	—	—	—			
DD END	2313.0	93.8																											

LINE	G12	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
AB	1	2	1	0	0	0	1								
BC	3	1	0	0	1										
CD	3	0	0	1	0	0	0	0	1						
DE	3	0	0	0	0	2									
EF	5	0	1	0	1	0	0	0	0	2					
FG	3	1													
HI	1	1													
IJ	3														
JK	1														
KL	2														
LM	1														
VW	1														

DISTANCE FROM COAST : A = 61 KM ; GG = 34 KM

ICE GOUGE DATA RECORD 1972

SEGMENT SCALE 1:2392

TRACKLINE: G 13

DATE: 255

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 °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 (M)	DOMINANT ORIENTATION °T	DEPTH TO FIRST REFLECTOR M	SONAR RANGE M	REMARKS
AB 1	0226.0	—		225	—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—		300	12 KHZ FATHOGRAM - STARTS AT PT. C BETWEEN PT. A AND PT G THERE IS
BC 2	0236.2	—			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			A CONSISTANT SEA FLOOR FEATURE THAT MAY BE GOUGING (OR SAND WAVES?). THE FEATURE IS MAXIMIZED IN SEGMENT DE (4)
CD 3	0247.0	105.0			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			WITH THESE CHARACTERISTICS NOTED: 1) DENSITY = 125 MAXIMIZED = 111.25 2) ORIENTATION = 300°T (120°T)
DE 4	0257.2	89.3			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			3) AVERAGE GOUGE WIDTH = 5 METERS 4) MAXIMUM GOUGE DEPTH = 1.5 METERS 5) MAXIMUM GOUGE RIDGE = .6 METERS
EF 5	0307.8	79.1			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			THE FEATURES ORIENTATION IS VERY COSISTAN THE GOUGES (WAVES?) ARE ALL ADJACENT T EACH OTHER IN SEGMENT DE(4) WITH NO
FG 6	0318.2	78.5			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			UNGOUGED AREAS BETWEEN. INSHORE AND OFFSHORE OF THE MAXIMIZED SEGMENT (DE THE GOUGE DENSITY DECREASES WITH AREA
GH 7	0328.4	78.6			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			OF NO GOUGING BETWEEN OBSERVED GOUGES THE FEATURE FADES OUT AT THE END OF SEGMENT FG(6). THE FEATURE IS SEEN
HI 8	0336.0	72.7			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			ON THE CONTINENTAL SLOPE AND CONTINUE ON TO THE SHELF FOR APPROXIMATELY 4 KILOMETERS. PHOTOS TAKEN OF FEATURE
IJ 9	0343.5	65.5			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			THE FEATURE HAS THE APPEARANCE OF PRESSURE RIDGE GOUGING IN AREAS.
JK 10	0350.8	59.3			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			
KL 11	0358.0	56.6			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			
LM 12	0405.6	54.8			50/—	275	—	L	4	1.04	4.2	4	0	0	0	0	0	<.4	5	<.4		0	—	—	—		150	GOUGES ARE VERY FEINT (DUE TO INFILLING?).
MN 13	0413.0	53.0			165/—	030	—	L	2	1.82	3.6	2	0	0	0	0	0	<.4	8	<.4		0	—	—	—			GOUGES VERY FEINT.
NO 14	0419.5	52.0			—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—			
OP 15	0426.0	52.5			90/—	315	—	L	9	1.00	9.0	8	0	0	0	0	1	1.5	7	<.4		0	—	—	—			
PQ 16	0432.7	51.1			70/20	295	250	L	10	.96	9.6	10	0	0	0	0	0	<.4	6	<.4		0	—	—	—			

ICE GOUGE DATA RECORD 1972

TRACKLINE: G13
DATE: 255
SEGMENT

VESSEL: GLACIER
TEMPLATE SIZE: 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)	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
QR 17	0439.0	50.0		225	55/85	280	310	L	37	1.01	39 .4	34	0	2	0	0	1	1.5	10	.4		0	—	—	—		150	GOUGES ARE FEINT (INFILLED)
RS 18	0445.6	48.5			55/—	280	—	L	58	1.01	58 .6	53	0	4	1	0	0	.8	10	.8		0	-	—	—			2 FRESH GOUGES NOTED.
ST 19	0452.4	47.5			55/—	280	—	L	50	1.01	50 .5	50	0	0	0	0	0	<.4	12	<.4		0	—	—	—			1 FRESH GOUGE NOTED.
TU 20	0459.0	46.3			65/—	290	—	L	43	0.97	41 .7	38	0	2	1	0	2	1.0	30	.5		0	—	—	—			GOUGING BECOMES MORE DISTINCT THRU-OUT REST OF LINE.
UV 21	0505.9	45.5			50/85	275	310	L	59	1.04	61 .4	53	0	4	0	0	2	1.5	30	.8		0	-	—	—			
VW 22	0512.3	43.9			80/55	305	280	M	78	0.96	74 .9	70	0	5	3	0	0	.7	27	.5		3	3	25	255			
WX 23	0519.0	42.5			55/105	280	330	L	63	1.01	63 .6	50	0	9	2	0	2	1.3	17	.4		4	5	60	255			
XY 24	0526.0	41.8			60/25	285	250	M	52	.98	51 .0	40	0	10	2	0	0	.6	24	.5		4	5	75	250			
YZ 25	0531.0	40.2			30/55	255	280	L	52	1.32	68 .6	40	0	10	1	1	0	.8	26	.4		4	2	26	255			
ZAA 26	0537.3	39.0			45/60	270	285	L	77	1.09	83 .9	63	0	8	5	1	0	.8	30	.8		3	7	52	295			
AABB 27	0543.8	37.2			40/55	265	280	M	87	1.15	100 .1	67	0	9	4	3	4	1.4	17	.6		7	7	46	265			
BBCC 28	0550.6	35.9			45/95	270	320	L	93	1.09	101 .4	72	0	8	4	4	5	1.3	41	1.5		5	3	42	015			
CCDD 29	0557.4	34.5			35/90	260	315	L	104	1.22	126 .9	80	0	10	5	3	6	3.0	23	1.5		10	4	38	255			
DDEE 30	0604.0	31.0			45/80	270	305	M	83	1.09	90 .5	59	0	8	4	3	9	2.9	52	.9		8	4	50	255			
EEFF 31	0610.4	31.5			50/25	295	250	L	126	1.04	131 .0	96	0	11	4	5	10	2.5	21	1.0		6	3	39	250			
FFGG 32	0617.0	29.8			55/40	280	265	M	110	1.01	111 .1	77	0	14	4	5	10	3.0	19	1.0		3	2	19	030			

ICE GOUGE DATA RECORD 1972

TRACKLINE: G13
DATE: 255
SEGMENT

VESSEL: GLACIER
TEMPLATE SIZE: 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 (°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
GG END	0625.0	30.0		225																								

LINE	G13	DATE	255	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
OP	0	0	1												
QR	0	0	1												
TU	2														
UV	1	0	1												
WX	1	1													
AABB	3	1													
BBCC	4	1													
CCDD	2	1	1	1	0	0	0	0	0	0	1				
DDEE	2	1	3	0	0	1	1	0	0	1					
EEFF	5	2	1	0	0	1	0	1							
FFGG	4	2	1	1	0	1	0	0	0	0	1				