ICE GOUGE DATA RECORD 1978

ACKLINE	DATE	GMENT
37	256	

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

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)	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
49 IWXX	1923.0	6.6	–	270	– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	13.6	125	
50 XYY	1928.0	7.2	–	010	120 / –	130	–	L	2	1.01	2.0	2	0	0	0	0	0	0	2	<.2		0	–	–	–	13.7		
51 YZZ	1932.3	7.0	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	15.5		
52 ZAAA	1936.5	7.2	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		SHOAL (3.7 METERS ABOVE SEA FLOOR)
53 AABBB	1940.9	6.0	–	270	– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
54 BCCC	1945.2	7.3	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	12.1		
55 CDDD	1949.5	6.4	–	000	90 / –	90	–	L	1	1.00	1.0	1	0	0	0	0	0	<.2	3	<.2		0	–	–	–	12.2		SHOAL
56 DEEE	1954.2	7.9	–		110 / –	110	–	L	2	.98	2.0	2	0	0	0	0	0	<.2	2	<.2		0	–	–	–	12.6		SHOALS
57 EFFF	1959.0	7.5	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	13.7		(SEG. 5 KM – ADJUSTED TO 1 KM)
END FFF	2002.0	7.5	–																							12.5		

RTT-1000 & SIMRAD

ICE GOUGE DATA RECORD 1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

SEG. SCALE 1:2899

TRACKLINE 40 / DATE 257 / 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	1541.0	2.9	—	220	30/—	250	—	L	36	1.38	49.7	33	3	0	0	0	0	.2	7	.3		0	—	—	—	—	125	(STEFANSON SOUND)
2 BC	1545.4	4.8	—		55/—	275	—	L	9	1.04	9.4	5	3	0	1	0	0	.6	2	.2		0	—	—	—	11.5		
3 CD	1549.9	4.9	—		55/—	275	—	L	11	1.04	11.4	11	0	0	0	0	0	<.2	3	<.2		0	—	—	—	10.6		
4 DE	1554.6	5.7	—		55/—	275	—	L	24	1.04	25.0	23	1	0	0	0	0	.4	2	<.2		0	—	—	—	11.6		
5 EF	1559.1	6.0	—		60/—	280	—	L	14	1.01	14.1	14	0	0	0	0	0	<.2	5	.2		0	—	—	—	11.3		
6 FG	1603.6	6.3	—		70/—	290	—	L	5	.98	4.9	5	0	0	0	0	0	<.2	2	<.2		0	—	—	—	11.4		
7 GH	1608.2	6.5	—		95/—	315	—	L	1	.98	1.0	1	0	0	0	0	0	<.2	2	<.2		0	—	—	—	10.9		
8 HI	1612.9	6.1	—		60/—	280	—	L	1	1.01	1.0	1	0	0	0	0	0	<.2	1	<.2		0	—	—	—	—		
9 IJ	1617.6	5.6	—		80/—	300	—	L	3	.97	2.9	3	0	0	0	0	0	<.2	2	<.2		0	—	—	—	—		
10 JK	1622.2	4.8	—		65/—	285	—	L	10	.99	10.0	9	1	0	0	0	0	.2	2	<.2		0	—	—	—	—		
11 KL	1626.4	3.9	—	335	135/—	110	—	L	15	1.13	17.0	15	0	0	0	0	0	<.2	4	<.2		0	—	—	—	—		
12 LM	1631.0	4.9	—		60/—	035	—	L	3	1.01	3.0	3	0	0	0	0	0	<.2	1	<.2		0	—	—	—	—		
13 MN	1635.9	5.9	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
14 NO	1640.8	6.0	—		120/—	095	—	L	1	1.01	1.0	1	0	0	0	0	0	<.2	2	<.2		0	—	—	—	—		SEDIMENT WAVES
15 OP	1645.5	5.2	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		SEDIMENT WAVES
16 PQ	1650.2	8.0	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	14.3		

ICE GOUGE DATA RECORD

1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

TRACKLINE	DATE	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 (°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
17	257	QR		1654.8	9.0	—	335	—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	125	
18		RS		1659.9	6.8	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	10.7		
19		ST		1704.5	5.4	—	205	105	—	080	—	L	4	.97	3.9	4	0	0	0	0	0	<.2	2	<.2	0	—	—	—	10.7		
20		TU		1709.0	5.5	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	10.1		
21		UV		1713.8	6.5	—		125	—	330	—	L	1	1.04	1.0	1	0	0	0	0	0	<.2	3	<.2	0	—	—	—	9.3		
22		VW		1719.3	8.2	—		120	—	325	—	L	3	1.01	3.0	2	1	0	0	0	0	.2	4	.4	0	—	—	—	14.9		
23		WX		1724.2	7.3	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1		(NO SONAR THIS SEG)
24		XY		1729.0	5.8	—	187	55	—	242	—	L	1	1.04	1.0	1	0	0	0	0	0	<.2	6	<.2	0	—	—	—	10.4		
25		YZ		1733.8	5.0	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—		
26		ZAA		1738.5	4.5	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	11.6		
27		ABB		1743.1	3.3	—	260	—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—	11.6		
28		BCC		1747.7	3.1	—		20	—	280	—	L	1	1.73	1.7	1	0	0	0	0	0	<.2	4	<.2	0	—	—	—	—		NO FATHOGRAM FOR FIRST HALF OF THIS SEGMENT
29		CDD		1752.3	4.0	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—			
30		DEE		1759.0	4.2	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—			
31		EFF		1801.4	4.5	—	010	—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—			
32		FGG		1805.7	4.6	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0	0	—	—	—			

ICE GOUGE DATA RECORD 1978

TRACKLINE		VESSEL	KARLUK
40		TEMPLATE SIZE	7.5 KTS.

DATE 257 / 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
33 GHH	1810.2	5.0	—	010	—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	10.9	125	
34 HII	1815.0	5.4	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	10.8		
35 JJ	1819.6	5.7	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	10.8		
36 JKK	1824.0	5.9	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
37 KLL	1828.8	6.2	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	11.4		(NO SONAR THIS SEG.)
38 LMM	1833.2	6.5	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	10.9		
39 MNN	1837.9	6.8	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	12.2		
40 NOO	1842.1	6.5	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	11.4		
41 OPP	1846.6	6.1	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	12.0		
42 PQQ	1851.1	5.7	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
43 QRR	1855.5	5.2	—		130	—	140	—	L	4	1.08	4.3	4	0	0	0	0	0	<.2	3	.3		0	—	—	—	—		
44 RSS	1900.0	4.5	—	249	35	—	284	—	L	6	1.28	7.7	5	1	0	0	0	0	.2	2	.4		0	—	—	—	—		
45 TTT	1904.5	5.0	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
46 UUU	1909.1	5.5	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
47 VVV	1913.6	5.9	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
48 WWW	1918.0	6.4	—		—	—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	10.1		

ICE GOUGE DATA RECORD 1978

TRACKLINE	DATE	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
	40		49																													
	257		WXX	1922.9	6.5	–	249	–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–	125	
			50 XYY	1927.8	6.2	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			51 YZZ	1932.8	6.1	–		45	–	294	–	L	3	1.13	3.4	2	1	0	0	0	0	.2	2	.2	0	–	–	–	–		
			52 ZAAA	1937.4	5.8	–	020	30	–	50	–	L	2	1.38	2.8	2	0	0	0	0	0	<.2	2	<.2	0	–	–	–	–		
			53 ABBB	1941.7	6.5	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			54 BCCC	1946.5	6.9	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			55 CDDD	1951.1	7.2	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		(NO SONAR THIS SEG.)
			56 DEEE	1955.5	7.3	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			57 EFFF	2000.2	7.3	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			58 FGGG	2004.9	7.3	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			59 GHHH	2009.7	7.4	–		–	–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0	0	–	–	–	–		
			END HH	2014.5	7.0	–																							–		

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

RTT-1000 + SIMRAD

ICE GOUGE DATA RECORD 1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

SEG SCALE 1:2899

ACKLINE 41	DATE 257	GMENT 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
1		AB	0730.0	6.4	—	215	75/—	290	—	L	6	.97	5.8	6	0	0	0	0	0	<.2	2	<.2		0	—	—	—	—	125	(STEFFANSON SOUND)
2		BC	0734.5	8.5	—		70/—	285	—	L	5	.98	4.9	5	0	0	0	0	0	<.2	1	<.2		0	—	—	—	—		
3		CD	0738.8	8.1	—		55/—	270	—	L	2	1.04	2.1	2	0	0	0	0	0	<.2	2	<.2		0	—	—	—	—		
4		DE	0743.3	7.0	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
5		EF	0747.8	6.3	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
6		EG	0752.5	6.2	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
7		GH	0757.0	5.2	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
8		HI	0801.5	4.8	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
9		J	0806.2	4.6	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
10		JK	0811.1	4.5	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
11		KL	0815.5	4.4	—	140	105/—	245	—	L	6	.97	5.8	6	0	0	0	0	0	<.2	5	.2		0	—	—	—	—		
12		LM	0819.9	5.1	—		105/—	245	—	L	9	.97	8.7	9	0	0	0	0	0	<.2	5	<.2		0	—	—	—	—		
13		MN	0824.2	4.8	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
14		O	0828.5	4.8	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		
15		P	0832.9	4.5	—	042	90/—	132	—	L	3	1.00	3.0	2	1	0	0	0	0	.3	5	.2		0	—	—	—	—		
16		Q	0836.9	5.0	—		—/—	—	—	—	0	—	0	0	0	0	0	0	0	0	0	0		0	—	—	—	—		

ICE GOUGE DATA RECORD 1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

TRACKLINE 41

DATE 257

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	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
17 QR	0841.7	4.5	–	042	–/–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	125	(NO SONAR THIS SEG.)
18 RS	0846.7	6.2	–		–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
19 ST	0851.5	6.7	–		60/–	102	–	L	14	1.01	14.1	14	0	0	0	0	0	<.2	6	<.2		0	–	–	–	–		
20 TU	0856.2	6.8	–		80/–	122	–	L	11	.97	10.7	11	0	0	0	0	0	<.2	7	<.2		0	–	–	–	–		
21 UV	0900.9	6.8	–		75/–	117	–	L	26	.97	25.2	26	0	0	0	0	0	<.2	5	<.2		0	–	–	–	–		
22 VW	0905.6	6.8	–		55/–	097	–	L	7	1.04	7.2	7	0	0	0	0	0	<.2	2	<.2		0	–	–	–	–		
23 WX	0910.0	6.8	–	123	–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
24 XY	0915.0	6.7	–		145/–	268	–	L	2	1.28	2.6	2	0	0	0	0	0	<.2	2	<.2		0	–	–	–	11.5		
25 YZ	0920.5	6.7	–	213	60/–	273	–	L	1	1.01	1.0	1	0	0	0	0	0	<.2	1	<.2		0	–	–	–	12.6		
26 ZAA	0925.5	6.5	–		40/–	253	–	L	3	1.2	3.6	3	0	0	0	0	0	<.2	2	<.2		0	–	–	–	–		
27 ABB	0930.6	–	–		70/–	283	–	L	2	.98	2.0	2	0	0	0	0	0	–	2	–		0	–	–	–	–		NO FATHOGRAM THIS SEGMENT AA NOT ON FATHOGRAM
28 BCC	0935.7	6.1	–		–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
29 CDD	0940.9	6.0	–		–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
30 DEE	0946.3	5.8	–		–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
31 EFF	0951.5	5.6	–	325	–/–	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
32 FGG	0957.2	5.7	–		80/–	045	–		32	.97	31.0	32	0	0	0	0	0	<.2	5	<.2		0	–	–	–	–		

ICE GOUGE DATA RECORD 1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

TRACKLINE	DATE	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	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
41	257	33 GHH	1002.6	5.8	—	325	120/160	085	125	M	14	1.01	14 .1	14	0	0	0	0	0	<.2	11	<.2		0	—	—	—	—	125	
		34 HHII	1008.2	5.5	—		160/—	125	—	L	4	1.73	6.9	4	0	0	0	0	0	<.2	2	.2		0	—	—	—	—		
		35 IJJ	1013.8	5.5	—		135/—	100	—	L	5	1.13	5.7	3	2	0	0	0	0	.3	3	.2		0	—	—	—	—		
		36 JKK	1019.0	4.9	—		125/—	090	—	L	3	1.04	1.1	3	0	0	0	0	0	<.2	3	<.2		0	—	—	—	—		
		37 KLL	1024.4	5.0	—		125/—	090	—	L	7	1.04	7.3	7	0	0	0	0	0	<.2	4	<.2		0	—	—	—	—		
		38 LMM	1030.2	5.5	—		155/—	120	—	L	10	1.54	15 .4	10	0	0	0	0	0	<.2	3	<.2		0	—	—	—	—		
		39 MNN	1035.6	5.6	—		140/—	105	—	L	33	1.20	39 .6	31	2	0	0	0	0	.2	3	.3		0	—	—	—	—		
		40 NOO	1041.0	4.3	—		155/—	120	—	L	7	1.54	10 .8	7	0	0	0	0	0	<.2	3	<.2		0	—	—	—	—		
		41 OPP	1046.2	4.6	—		150/—	115	—	L	6	1.38	8.3	5	1	0	0	0	0	.2	8	<.2		0	—	—	—	—		
		42 PQQ	1051.7	4.1	—		150/—	115	—	L	7	1.38	9.7	7	0	0	0	0	0	<.2	3	<.2		0	—	—	—	—		
		43 QRR	1056.9	4.6	—		—/—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—		(NO SONAR THIS SEG.)
		44 RSS	1102.6	4.9	—	305	130/—	075	—	L	2	1.08	2.2	2	0	0	0	0	0	<.2	2	<.2		0	—	—	—	—		
		45 STT	1108.4	—	—		15/—	320	—	L	7	2.0	14 .0	—	—	—	—	—	—	—	2	—		0	—	—	—	—		NO FATHOGRAM THIS SEGMENT
		46 TUU	1113.3	—	—		150/—	095	—	L	2	1.38	2.8	1	1	0	0	0	0	.2	3	.2		0	—	—	—	—		NO FATHOGRAM FOR FIRST HALF OF THIS SEGMENT
		47 UVV	1118.6	6.0	—		150/—	095	—	L	3	1.38	4.1	2	1	0	0	0	0	.2	3	<.2		0	—	—	—	—		
		48 WW	1124.0	6.4	—		160/—	105	—	L	10	1.73	17 .3	9	1	0	0	0	0	.3	3	<.2		0	—	—	—	—		

ICE GOUGE DATA RECORD 1978

VESSEL	KARLUK
TEMPLATE SIZE	7.5 KTS.

TRACKLINE	DATE	SEGMENT	START TIME	START DEPTH	DISTANCE FROM COAST	SHIP'S COURSE	OBSERVED ORIENTATION	ADJUSTED ORIENTATION		ORIENTATION VARIABILITY	NUMBER OF INCISIONS	CORRECTION FACTOR	GOUGE DENSITY	INCISION DEPTH DISTRIBUTION METERS							MAXIMUM INCISION WIDTH	MAXIMUM RIDGE HEIGHT	MAXIMUM GOUGE LENGTH	MULTI-INCISION GOUGES				DEPTH TO FIRST REFLECTOR	SONAR RANGE	REMARKS
		KM	HOURS MINUTES TENTHS	M	KM	°T	DOM / SUB	DOM	SUB	HIGH MED LOW	OBS	⊥	PER KM	NMP	.2-.4	.4-.6	.6-.8	.8-1.0	>1	MAX	M	M	M	NUMBER	MAXIMUM INCISIONS PER GOUGE	MAXIMUM DISRUPTION WIDTH (M)	DOMINANT ORIENTATION (°T)	M	M	
41	257	49 IWXX	1130.0	6.6	–	305	130 / –	075	–	L	3	1.08	3.2	3	0	0	0	0	0	<.2	2	<.2		0	–	–	–	–	125	
		50 XXYY	1135.4	6.0	–		155 / –	100	–	L	4	1.54	6.2	4	0	0	0	0	0	<.2	5	<.2		0	–	–	–	–		
		51 YZZ	1140.8	6.1	–		25 / –	330	–	L	1	1.54	1.5	1	0	0	0	0	0	<.2	2	<.2		0	–	–	–	–		
		52 ZAAA	1145.9	5.3	–		165 / –	110	–	L	1	2.00	2.0	1	0	0	0	0	0	<.2	1	<.2		0	–	–	–	–		
		53 AABBB	1151.2	5.6	–		165 / –	110	–	L	1	2.00	2.0	1	0	0	0	0	0	<.2	5	<.2		0	–	–	–	–		
		54 BBCCC	1156.6	6.3	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		SMALL SEDIMENT WAVES
		55 CDDD	1202.0	5.9	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		SMALL SEDIMENT WAVES
		56 DDEEE	1207.2	6.0	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		
		57 EEFFF	1212.8	6.4	–		155 / –	100	–	L	1	1.54	1.5	1	0	0	0	0	0	<.2	1	<.2		0	–	–	–	–		SMALL SEDIMENT WAVES
		58 FFGGG	1218.2	6.3	–		– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		SMALL SEDIMENT WAVES
		59 GGHHH	1223.5	6.3	–	210	– / –	–	–	–	0	–	0	0	0	0	0	0	0	0	0	0		0	–	–	–	–		SMALL SEDIMENT WAVES
		60 HHIII	1229.3	5.8	–		80 / –	290	–	L	2	.97	1.9	2	0	0	0	0	0	<.2	4	<.2		0	–	–	–	–		
		61 IJJJ	1234.2	5.1	–		55 / –	265	–	L	9	1.04	9.4	7	1	1	0	0	0	.5	4	.2		0	–	–	–	–		
		END JJJ	1239.2	4.8	–		/																					–		
							/																							
							/																							