

Figure 9. Comparative boat data from simulation program

Type	Collection Number	Lngth	Beam	Wgt	Disp. to Sheer	LWL	VCG	LCG	CP	Spd	Spd / Lgt	Wet Surf Area	Fric Res.	Righting Moment at Degrees of Heel						
														1	10	20	30	40	50	60
		xxx.x	xx.x	xx.x	xxx.x	xxx.x	xx.x	xxx.x	.xx	x.x	x.x	x.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x
Koryak	MEP 11413	322.5	71.0	19.2	235.5	284.6	29.7	169.4	.52	3.8	1.6	1.3	1.9	0.4	2.1	3.3	3.2	1.2	-1.9	
Koryak	AMNH 70-3358	270.3	64.3	30.0	128.0	245.0	21.5	128.9	.62	3.5	1.8	1.3	1.7	0.4	1.4	-2.0				
Koryak	MAE 956-49	258.5	72.0	15.0	114.3	242.2	27.7	142.2	.53	3.5	1.8	1.2	1.5	0.4	2.0	1.3	-0.4			
Chukchi	EMS 1880.4.1255	462.7	62.9	20.0	316.7	420.9	28.6	229.1	.53	4.6	1.4	1.7	3.3	0.04	0.4	0.8	0.7	0.9	-0.5	
Chukchi	MEP 2083-61A	489.5	49.4	12.2	254.9	452.8	27.2	244.7	.81	4.8	1.3	1.6	3.4	0.1	0.1	0.2	0.1	-0.9		
Aleut-1	BM PE.10	528.3	49.5	20.0	292.2	482.9	24.2	301.3	.65	5.0	1.3	1.8	3.9	0.02	0.2	-1.1				
Aleut-1	USNM 76282	539.7	50.8	15.4	300.8	468.2	23.7	300.0	.59	4.9	1.3	1.6	3.5	0.04	0.4	0.9	0.8	-0.5		
Aleut-1	MAE 593-76	581.4	43.4	27.0	251.5	527.1	27.0	330.4	.55	5.2	1.2	1.8	4.3	-0.04						
Aleut-1	LM 2-14886	509.5	51.7	12.0	275.2	460.4	27.2	283.7	.50	4.9	1.3	1.6	3.5	0.03	0.3	0.4	-0.6			
Aleut-2	USNM 160336	629.0	55.9	15.8	444.5	581.1	28.7	334.6	.57	5.5	1.2	2.5	6.5	0.1	0.7	1.1	-1.4			
Kodiak-1	DNM 160	434.0	65.5	20.0	279.4	411.2	24.1	235.6	.62	4.6	1.4	1.7	3.3	0.3	2.5	4.7	6.0	5.1	3.0	-1.1
Kodiak-2	WSHS N/N	596.4	74.9	36.3	477.5	544.3	23.7	329.1	.54	5.3	1.2	2.7	6.7	0.8	8.0	13.2	12.1	7.2	0.5	-7.0
Bristol Bay	USNM 76285	459.7	73.7	30.0	315.6	440.0	21.6	234.1	.59	4.7	1.3	1.8	3.6	0.3	2.5	5.2	4.9	2.6	-1.7	
Nunivak	USNM 160341	455.9	76.2	30.0	346.9	389.0	22.0	225.8	.63	4.5	1.4	1.7	3.2	0.3	3.1	6.4	5.3	2.2	-0.9	
Hooper Bay	NMM IV-E-1071	460.7	78.0	25.0	370.1	410.1	28.2	238.1	.69	4.6	1.4	1.6	3.1	0.2	1.6	3.5	3.1	1.4	-21.3	
Norton Sound	BM PE.9	511.8	64.8	18.1	353.7	436.8	27.5	269.0	.56	4.7	1.3	1.6	3.3	0.1	0.6	1.3	1.3	0.01	-2.3	
Norton Sound	USNM 160175	517.7	59.7	30.0	306.4	472.8	22.0	277.2	.60	4.9	1.3	1.7	3.7	0.03	0.4	1.2	2.9	-0.6		
Norton Sound	LM 2-1674	522.7	71.8	40.4	342.9	457.1	22.1	281.7	.57	4.8	1.3	1.8	3.8	0.2	2.2	5.3	4.4	1.9	-****	

Figure 9. continued

Type	Collection Number	Lngth	Beam	Wgt	Disp. to Sheer	LWL	VCG	LCG	CP	Spd	Spd / Lgt	Wet Surf Area	Fric Res.	Righting Moment at Degrees of Heel						
														1	10	20	30	40	50	60
		xxx.x	xx.x	xx.x	xxx.x	xxx.x	xx.x	xxx.x	.xx	x.x	x.x	x.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x
King Island USNM 160326		467.4	64.8	15.5	236.4	387.6	25.2	251.5	.60	4.5	1.4	1.4	2.5	0.03	0.4	1.4	0.7	-1.0		
Bering Strait DNM Hb.221		442.0	58.6	15.9	246.4	358.1	24.0	246.6	.61	4.3	1.5	1.4	2.5	0.0	0.03	0.4	1.3	-0.9		
N Alaska R UPM X1		291.5	59.0	11.3	178.2	255.5	25.7	153.6	.66	3.6	1.7	1.2	1.6	0.1	1.2	2.0	1.3	-0.9		
Pt. Barrow LM 2-6349		525.6	47.8	12.2	283.4	463.9	25.5	264.9	.67	4.9	1.3	1.6	3.5	0.0	0.1	-0.1				
Nunamiut UAM UA72-78-1		585.5	59.6	13.5	408.7	514.6	26.4	294.0	.71	5.1	1.2	1.9	4.4	0.1	1.3	1.3	2.5	2.0	0.02	-3.8
Mackenzie MAI N/N		487.7	48.5	30.0	286.2	435.8	22.4	253.9	.62	4.7	1.3	1.6	3.3	-0.02	-0.1	0.2	-0.7			
Mackenzie DNM P31:64a		443.4	49.4	15.0	253.9	391.9	26.6	241.2	.61	4.5	1.4	1.4	2.6	-0.1						
Mackenzie NMM IV-D-2039		501.0	48.2	20.0	282.9	438.2	23.1	259.0	.62	4.7	1.3	1.5	3.1	-0.03						
Mackenzie NMM IV-D-1058		388.5	48.0	15.0	225.0	344.4	24.2	214.7	.61	4.2	1.5	1.3	2.3	-0.03						
Copper NMM IV-D-1057		711.2	40.1	20.0	305.8	643.2	22.6	413.5	.85	5.7	1.1	2.0	5.8	-0.1						
Netsilik NMM IV-C-708		615.9	45.7	16.3	306.4	562.9	23.2	367.4	.63	5.4	1.2	1.9	4.9	0.02	0.3	0.5	-0.2			
Caribou BM 4:1900/2:11		588.0	53.1	18.1	379.2	415.7	25.7	276.9	.58	4.6	1.4	1.6	3.1	0.02	0.1	0.1	0.1	-1.0		
Caribou BM 4:1900/1:11		735.3	46.0	30.0	422.7	556.0	28.4	375.7	.69	5.3	1.2	1.9	4.8	-0.1						
Caribou NMM Acc.76/13/87		596.9	45.7	13.2	331.6	485.5	24.2	328.7	.67	5.0	1.3	1.6	3.6	-0.03						
E Hudson B. NMM 77/22/1		487.7	74.9	27.2	350.0	338.6	22.7	280.9	.64	4.2	1.5	1.6	2.8	0.3	2.9	4.4	5.3	2.5	-1.7	
E Hudson B. NMM IV-B-743		548.6	70.6	29.5	455.0	438.6	22.0	298.9	.69	4.7	1.3	2.0	4.2	0.4	4.0	6.3	8.0	4.7	1.1	-2.1
E Hudson B. NMM IV-B-744		709.9	71.1	54.0	684.5	584.3	20.9	403.2	.68	5.5	1.1	2.6	6.9	0.4	4.3	7.8	10.3	8.1	4.6	1.6
E Hudson B. NMM IV-X-705		563.9	72.4	40.8	600.0	395.1	22.1	325.1	.72	4.5	1.4	2.2	4.1	0.4	3.9	6.7	9.3	0.4	-5.1	
H/D Straits MAI N/N		685.8	63.5	34.0	534.9	573.4	21.8	374.8	.71	5.4	1.2	0.8	2.0	0.9	5.5	11.1	9.2	4.5	0.1	-0.9
H/D Straits USNM 160346		665.5	59.2	27.2	432.3	471.0	23.0	372.1	.55	4.9	1.3	1.9	4.2	0.2	2.1	2.6	4.4	2.4	-0.9	

Figure 9. continued

Type	Collection Number	Lngth	Beam	Wgt	Disp. to Sheer	LWL	VCG	LCG	CP	Spd	Spd / Lgt	Wet Surf Area	Fric Res.	Righting Moment at Degrees of Heel						
														1	10	20	30	40	50	60
		xxx.x	xx.x	xx.x	xxx.x	xxx.x	xx.x	xxx.x	.xx	x.x	x.x	x.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x	xx.x
H/D Strait	NMM IV-B-1620	777.2	67.3	64.9	650.0	615.3	20.2	430.9	.63	5.6	1.1	2.8	7.9	0.5	5.4	8.3	10.5	5.9	1.2	-4.0
H/D Straits (f)	MAI N/N	732.3	59.2	34.0	452.9	569.5	18.2	419.2	.57	5.4	1.2	2.2	5.6	0.4	2.9	6.2	6.4	6.2	7.4	2.6
H/D Strait	NMM IV-B-1445	449.6	64.3	20.4	253.3	364.0	22.6	255.1	.64	4.3	1.5	1.7	3.2	0.2	2.2	2.8	1.7	-1.9		
Cumb. Pen.	NMM IV-X-96	401.3	63.5	25.4	340.9	312.0	22.8	225.6	.69	4.0	1.6	1.7	2.8	0.3	2.8	4.1	5.3	3.6	0.6	-3.0
Davis St.	NMM IV-C-4550	614.7	67.3	33.1	422.5	446.6	22.1	351.7	.61	4.8	1.3	2.1	4.3	0.5	4.3	6.4	7.0	4.8	0.7	-4.0
N Baffin	RSM UC 765.1	542.3	59.2	34.0	315.9	408.5	23.7	304.4	.59	4.6	1.4	1.6	3.1	0.2	1.6	3.0	2.9	1.2	-1.5	
Iglulik	NMM IV-C-4094	657.9	70.6	31.8	463.4	507.5	23.2	335.9	.58	5.1	1.2	2.2	5.1	0.4	4.2	5.8	7.0	5.0	0.9	-4.2
Polar	USNM 160388	518.2	56.1	22.7	330.6	461.5	22.6	272.7	.58	4.9	1.3	1.9	4.0	0.1	0.8	2.1	3.0	1.3	-1.4	
Polar	(f) MAI 18/6541	490.2	55.9	30.0	304.8	404.7	22.7	268.8	.59	4.6	1.4	1.8	3.4	0.01	0.2	1.2	-0.3			
Upernavik	Ken Taylor	504.8	53.2	30.0	214.6	411.7	22.1	265.0	.54	4.6	1.4	1.6	3.2	0.1	0.8	1.6	0.5	-1.6		
Disko Bay	BM PE.3	535.3	47.3	30.0	178.4	452.5	22.0	277.7	.54	4.8	1.3	1.6	3.4	0.0	0.1	-0.6				
Disko Bay	CUM Z.15360	499.1	51.1	18.1	198.0	401.5	25.7	262.8	.49	4.5	1.4	1.5	2.8	-0.01						
S Greenland	BM AM.10	585.5	43.4	18.1	165.8	461.2	30.9	296.9	.39	4.9	1.3	1.6	3.4	-0.1						
E Greenland	RGS N/N	566.4	48.3	18.1	175.6	438.2	24.6	289.6	.53	4.7	1.3	1.6	3.2	-0.01						
Gantock	Single (modern)	487.7	58.4	14.5	234.4	394.5	24.0	227.9	.52	4.5	1.4	1.6	2.9	0.1	1.1	0.5	0.2	-2.0		
Umiak, N. Alaska		895.1	179	136	4900	619.7	33.7	460.6	.55	5.6	1.1	4.1	11.5	2.0	20.9	44.2	66.4	30.3	-****	
Umiak, W. Coast	Alaska	631.2	146	136	2009	525.8	27.6	340.7	.62	5.2	1.2	4.5	10.8	4.0	42.5	101.2	78.7	54.3	-314.7	
Sharpie		1013.5	244	1772	9413	803.4	46.7	472.5	.55	6.4	1.0	13.?	41.?	17.0	33.5	23.7	12.9	0.3	-11.4	
Sharpie, N. Carolina		610.9	173	771	2622	495.8	29.8	291.5	.54	5.0	1.2	7.1	16.1	8.8	91.2	149.6	171.0	125.0	56.2	-36.8