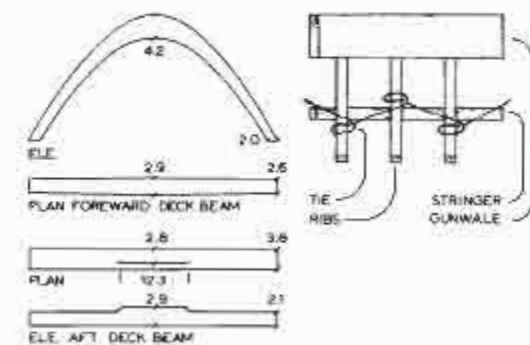
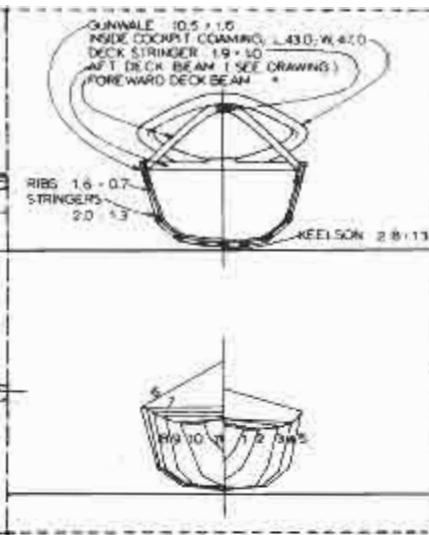
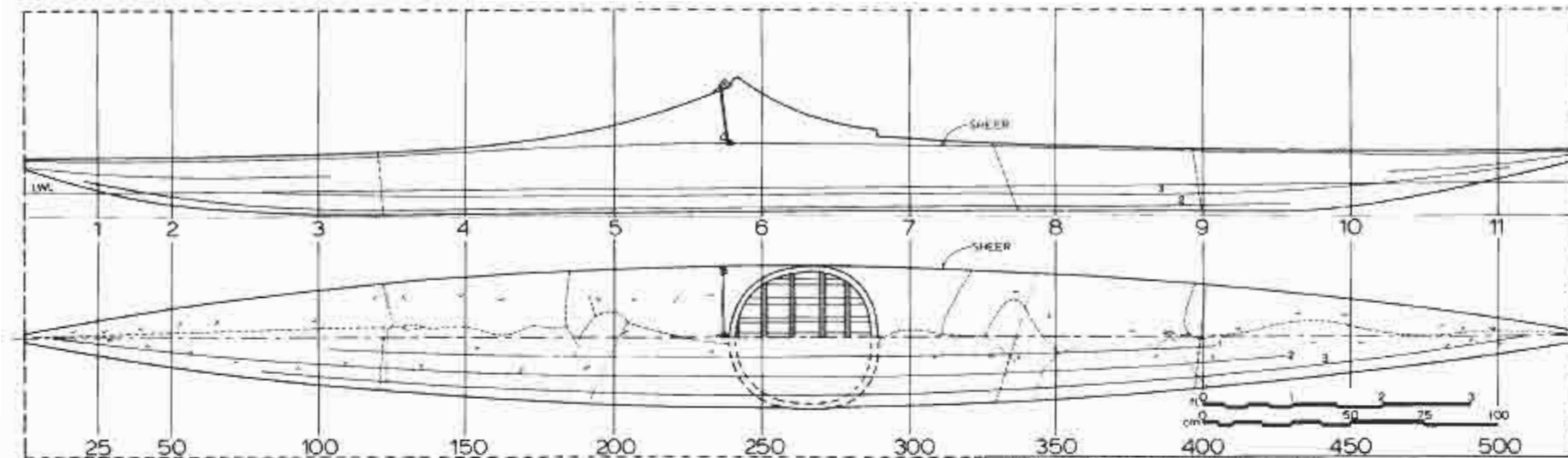
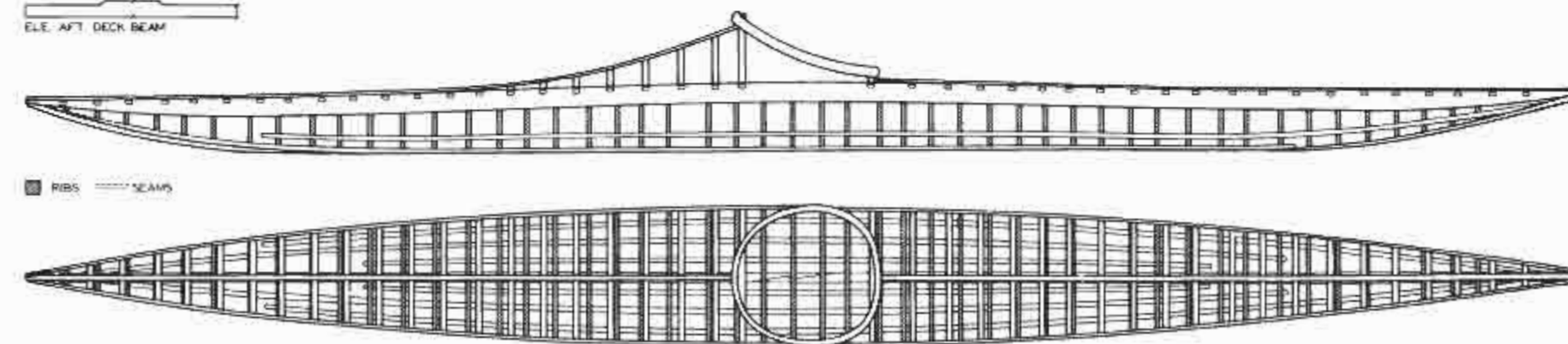




THIS NARROW AND SHALLOW KAYAK WAS USED MOSTLY ON RIVERS AND LAKES FOR HUNTING MUSKRAT AND CARBOU, BUT ALSO FOR NETTING FISH AND HUNTING SEAL AND BALUJA WHALE IN OPEN WATER. GREAT SKILL AND DEXTERITY WAS NECESSARY TO PREVENT CAPSIZES.

THE SMALL PUCKER MARKS ON THE DECK ARE CAUSED BY AN INTERNAL ZIG-ZAG LINE PARTIALLY THROUGH THE SKIN COVER THAT FUNCTIONS AS A BASTING STITCH IN INITIALLY DRAWING THE COVER TIGHTLY OVER DECK BEFORE THE FINAL LONGITUDINAL SEAM IS SEWN.

OFFSETS - CENTIMETERS TO OUTSIDE OF SKIN		1	2	3	4	5	6	7	8	9	10	11	STERN
SECTIONS	SIEM	25	50	100	150	200	250	300	350	400	450	500	
HEIGHTS ABOVE BASELINE													
SHEER	200	18.9	18.8	20.2	22.1	23.7	24.9	25.1	24.0	22.3	20.8	20.7	22.3
CHINE 3		14.6	13.5	13.3	6.8	7.4	7.3	7.7	7.6	7.4	5.4	16.5	
CHINE 2		11.4	7.8	7.4	2.3	2.4	2.6	3.2	3.1	2.6			
CHINE 1				2.6	1.8	1.9	1.9	2.6	2.6	1.7			
KEELSON	162	9.4	4.2	1.0	1.6	1.6	1.7	2.5	2.5	1.5	2.5	11.9	18.2
HEIGHTS HALF BREADTHS													
SHEER	1.3	5.9	9.9	15.7	19.3	22.5	23.8	22.7	20.7	17.3	12.6	6.1	1.4
CHINE 3		4.3	7.8	13.7	16.3	18.7	19.6	18.8	17.2	13.0	6.1	4.5	
CHINE 2		2.0	5.0	12.4	11.9	12.0	13.1	12.8	10.6	8.9			
CHINE 1			9.4	5.9	5.9	6.6	6.3	5.2	4.8				
KEELSON	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



NORTH ALASKA, KOTZEBUE SOUND-TYPE KAYAK LOWIE MUSEUM, UNIVERSITY OF CALIFORNIA, BERKELEY

LM2-6349
 LENGTH 17' 2.9" 525.6
 BEAM 18.8" 47.8
 DEPTH TO SHEER 9.4" 24.0
 WEIGHT 26.9 lbs 12.2 kg
 DONATED BY ALASKA COMMERCIAL CO. 1904
 COLLECTED PRE 1898
 SCALE 1 IN CENTIMETERS 1:6
 LWL (LOAD WATERLINE) BASED ON 68 kg (150 lb)
 MAN SEATED 2650 cm FROM BOW
 DISPLACEMENT TO SHEER 264.7 lbs 283.4 kg
 CP (PRISMATIC COEFFICIENT) .67
 THEORETICAL TOP SPEED (KNOTS) 4.9
 LOADED KAYAK UNSTABLE AT 17° HEEL

LINE AND CONSTRUCTION DETAILS

SHEET 1 OF 1
 LINES TAKEN OFF BY: DAVID W. ZAMMERLY,
 DECEMBER 1981
 DRAWN BY: KATHRYN P. IRELAND, 1982