

OFFSETS—CENTIMETERS TO OUTSIDE OF SKIN

SECTIONS	STEM	1	2	3	4	5	6	7	8	9	10	11	STERN
DECKRIDGE	26.4	25.5	25.9	28.2	29.9	28.7	27.7	27.0	28.2	24.5	23.2	26.8	23.1
SHEER	22.5	22.9	24.2	24.7	25.0	25.3	24.7	23.6	22.0	22.1	24.1		
GUNWALE	21.3	21.4	21.9	21.4	19.5	19.0	18.5	18.1	20.0	20.1			
CHINE 1	19.0	14.4	15.0	14.9	13.2	12.2	12.3	12.7	13.2	14.8			
CHINE 2	15.0	2.8	3.4	4.8	4.5	4.8	4.1	3.1	2.8	3.2			
KEELSON	14.4	1.9	1.5	3.3	3.0	3.8	3.0	2.1	2.0	2.2	2.4		
SHEER	7.0	10.7	16.3	23.1	24.6	24.4	23.1	18.9	14.4	9.8	6.0		
GUNWALE	7.0	10.7	16.1	22.8	24.0	24.2	22.3	18.2	14.1	9.5			
CHINE 1	4.7	2.1	14.9	17.3	17.8	18.1	16.2	13.2	11.1	8.6			
CHINE 2	2.2	4.2	5.7	5.8	4.9	4.9	4.0	4.5	3.8	3.7			
KEELSON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SPACE FROM PLATE	5	10	15	20	25	30	50	70	90	110
HALF BREADTH	3.6	7.6	6.7	7.7	4.0	1.5	1.2	1.3	1.3	1.3
THICKNESS	11	11	12	15	19	20	2.6	3.1	3.3	3.5

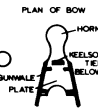
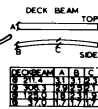
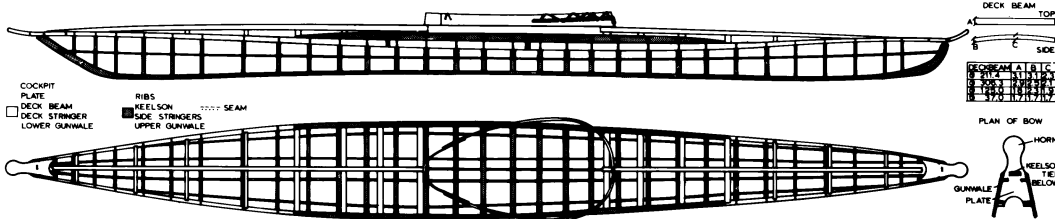
KAYAK /LODE AN RATVAJ/ WAS COLLECTED FOR THE ETHNOGRAPHIC DIVISION OF THE RUSSIAN STATE MUSEUM IN MOSCOW. DECK STRINGER, GUNWALES AND DECK BEAMS ARE VARIABLE AND TEND TO GET SMALLER TOWARDS THE ENDS. ALL WOOD TO WOOD LASHINGS ARE SPLIT WILLOW (SALIX). THE COAMING IS ALSO WILLOW WHILE THE STRINGERS ARE SPRUCE (PICEA). KAYAK IS IN GOOD CONDITION, BUT REINDEER SKIN COVER IS DRY AND BRITTLE AND TORN IN MANY LOCATIONS. PADDLE /TELES/ OF LARCH HAS BIRCH SHANK ON ONE BLADE TO WHICH WAS ATTACHED AN IRON SPEAR HEAD. PADDLE WAS USED TO SPEAR WILD REINDEER IN RIVERS AND LAKES.

* CUTAWAY VIEW OF BASTING THE USED TO DRAW COVER AROUND HULL BEFORE SEWING DECK SEAM.

CHUKCHI KAYAK

MUSEUM OF ETHNOGRAPHY OF THE PEOPLES OF THE USSR, LENINGRAD

MEP 2083 61a
 LENGTH 16'8" 489.5
 BEAM 19"5" 49.4
 DEPTH TO SHEER 9"3" 23.5
 WEIGHT 28LB 14OZ 12.2 KG
 COLLECTED BY NI. SOKOLNIKOV, 1904-1907, MARITIME DISTRICT, ANADYR TERRITORY, SIBERIA FROM CHURCH "RIVER PEOPLE"/EISELE/ SCALE 1:8 (IN CENTIMETERS)
 L.W.L. (LOAD WATERLINE) BASED ON 68 KG (150 LB) MAN SEATED 245 CM FROM BOW. DISPLACEMENT TO SHEER 582.1LB 254.9 KG CP (PRISMATIC COEFFICIENT) .83 THEORETICAL TOP SPEED 4.8 KNOTS LOADED KAYAK UNSTABLE AT 40° HEEL



LINES AND CONSTRUCTION DETAILS
 SHEET 1 OF 1
 LINES TAKEN OFF BY DAVID W. ZIMMERLY, OCTOBER, 1975
 DRAWN BY CHERYL SKEAN, 1977