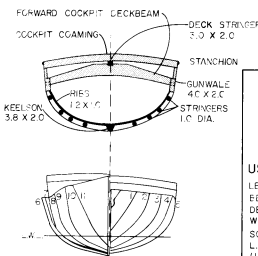


		OFFSETS - CENTIMETERS TO OUTSIDE OF SKIN																
		STEM	50	100	150	200	270	350	400	450	500	550	600	STERN				
SECTIONS	DECK/RIDGE	40.0	36.0	36.5	37.6	37.9	37.1	40.0	41.0		40.3	40.4	40.0	33.9				
	SHEER	34.8	32.3	31.9	32.2	32.0	32.0	32.5	32.6	33.6	34.4	36.6						
	GUNWALE	29.2	28.8	27.9	28.0	27.7	28.0	28.6	28.5	29.5	30.6	33.0						
	CHINE 4	25.2	22.8	21.0	21.0	20.9	21.5	22.1	22.1	23.6	24.1	28.9						
	CHINE 3	22.6	18.8	17.0	16.6	16.0	16.1	16.9	16.6	18.4	20.0	24.5						
	CHINE 2	20.5	16.7	14.5	13.5	12.4	13.0	13.6	13.3	14.6	16.4	21.4						
	CHINE 1	19.0	15.9	12.4	11.2	9.2	10.0	11.0	10.2	11.1	12.6	17.0						
	KEELSON	17.1	2.6	10.0	18.5	17.0	17.3	19.2	19.2	19.1	19.6	10.5						
	DECK/RIDGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
	SHEER	10.0	16.9	22.5	26.5	28.0	28.0	27.8	26.2	23.5	20.0	16.0						
	GUNWALE	8.0	14.9	20.5	24.5	26.0	26.0	25.8	24.7	21.5	18.0	4.0						
	CHINE 4	7.9	14.5	20.0	24.0	25.7	25.5	25.0	23.3	21.1	17.9	12.0						
CHINE 3	5.8	13.0	17.0	20.0	22.0	23.5	22.8	21.1	19.1	16.0	10.5							
CHINE 2	3.4	10.5	14.2	16.5	18.0	18.7	18.5	17.6	16.0	13.5	8.5							
CHINE 1	1.1	6.0	8.5	10.2	11.7	13.0	13.1	12.5	11.5	9.5	6.0							
KEELSON	0	1.0	1.0	0	0	0	1.0	1.0	1.0	1.0	1.0							



**ALEUT
TWO-HOLE KAYAK**
U.S. NATIONAL MUSEUM
WASHINGTON D.C.

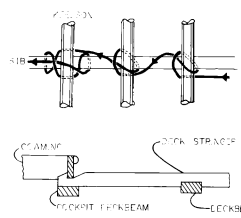
USNM 160336

LENGTH	20' 7"	627.4
BEAM	22"	55.9
DEPTH TO SHEER	12"	30.5
WEIGHT (approx)	48.5 lbs	22.0 kg
SCALE	1:8 (IN CENTIMETERS)	
L.W.L. (LOAD WATERLINE) BASED ON TWO 60 kg (132 LBS) MEN SEATED 220 cm AND 450 cm FROM THE BOW.		
DISPLACEMENT TO SHEER	979.5 lbs	444.5 kg
C.P. (PRISMATIC COEFFICIENT)	.57	
THEORETICAL TOP SPEED	5.5 KNOTS	
LOADED KAYAK UNSTABLE AT 30° HEEL		

LINES AND CONSTRUCTION DETAILS

LINES TAKEN OFF BY DAVID W. ZIMMERLY
MARCH 1975

DRAFTED BY DANIEL M. MCCLINTON, 1981



THE TWO-HOLE ALEUT BIDARK KAYAK WAS MOSTLY USED FOR HUNTING SEA OTTERS. THE MAIN PADDLER SAT IN THE BACK WHILE THE HUNTER IN THE FORWARD COCKPIT HURLED THE BARTS WITH A THROWING BOARD. THE FORWARD LONGITUDINAL DECK SEAMS HAVING ALTERNATING BITS OF RED AND BLUE WOOL WORKED IN. A MAST STEP LOCATED ON THE KEELSON ABOUT 325 CM. FROM THE BOW. A SMALL QUADRILATERAL SAIL WAS USED WITH FOLLOWING WINDS. A RIDGER WAS OFTEN USED WITH CONTROL LINES HIGH AROUND THE AFT COCKPIT OPERATING IT AS A TRIM TAB. THE COMPOSITE SECTIONS DRAWING REPRESENTS THE ORIGINAL UNFAIRED LINES AS TAKEN OFF FULL SIZE FROM THE GRAPH PAPER. THE PLAN AND ELEVATION SCALE DRAWINGS ARE FAIRED LINES. THE TABLE OF OFFSETS REPRESENTS THE FAIRED LINES. THE BROKEN LINES ON THE LINES DRAWINGS INDICATE APPROXIMATE FAIRED IN CHINE LINES.

