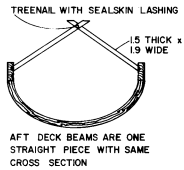
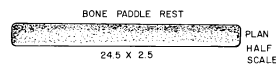


OFFSETS - CENTIMETERS TO OUTSIDE OF SKIN

| SECTIONS | STEM | 25 | 50 | 100 | 150 | 200 | 250 | 275 | STERN |
|-----------|------|------|------|------|------|------|------|------|-------|
| DECKRIDGE | 29.9 | 25.6 | 24.1 | 31.5 | 29.5 | 21.2 | 20.8 | 22.2 | 23.8 |
| SHEER | 24.1 | 21.6 | 20.8 | 21.1 | 19.7 | 19.5 | 21.0 | | |
| GUNWALE | 18.2 | 15.2 | 14.0 | 13.6 | 13.0 | 12.8 | 15.2 | | |
| CHINE 3 | 11.3 | 7.5 | 6.6 | 7.0 | | | | | |
| CHINE 2 | 15.5 | 7.5 | 3.7 | 2.8 | 2.6 | 7.2 | | | |
| CHINE 1 | 11.8 | 6.2 | 2.4 | 1.9 | 1.4 | 4.1 | 12.0 | | |
| KEELSON | 9.3 | 4.3 | 2.0 | 1.6 | 1.0 | 2.8 | 10.1 | | |
| DECKRIDGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| SHEER | 10.4 | 20.1 | 28.4 | 29.6 | 27.0 | 15.4 | 17.0 | | |
| GUNWALE | 9.8 | 18.9 | 26.6 | 27.7 | 25.2 | 14.6 | 5.7 | | |
| CHINE 3 | | 16.8 | 22.7 | 23.7 | 22.0 | | | | |
| CHINE 2 | 8.6 | 13.3 | 15.6 | 16.3 | 14.8 | 12.3 | | | |
| CHINE 1 | 5.8 | 7.1 | 8.4 | 8.6 | 8.6 | 7.0 | 4.0 | | |
| KEELSON | 6 | 1.0 | 1.0 | 8 | 9 | 6 | 2 | | |



CALLED BY NELSON (HUNTERS OF THE NORTHERN ICE) QAYAPAUQAQ ("LITTLE KAYAK") OR QAYAPAK ("FAT KAYAK"), THIS KAYAK WAS A LATE 19TH OR EARLY 20TH CENTURY DEVELOPMENT. THE INLAND USE OF LONGER KAYAKS FOR HUNTING CARIBBU DID APPEAR WITH THE INTRODUCTION OF THE RIFLE. THE SHORT KAYAK WAS USED FOR RETRIEVING SEALS SHOT IN THE OPEN SEA FROM THE F.O.E. EDGE. IT WAS MADE WIDE FOR STABILITY AND SHORT FOR EASE IN TRANSPORTING BY SLED. IT WAS USED ALL ALONG THE COAST FROM BARTER ISLAND TO SOUTH OF POINT HOPE. THIS KAYAK TYPE IS TODAY VIRTUALLY EXTINCT. THE FRAME IS PAINTED RED. RIBS ARE MORTISED INTO THE GUNWALES AND HELD WITH 1/2 MM DIA. WOODEN PEGS. THE COAMING BEAM BEAMS ARE NUT MORTISED INTO THE GUNWALES AS THE OTHER DECKBEAM ARE. THE COAMING HAS A STRAIGHT LAP-EL SCARF JOINT AT THE FORWARDMOST POINT AND IS HELD TOGETHER WITH THE SAME TYPE COPPER WIRE AS IN THE BLGE STRINGER (NO.2) SCARF JOINT. THE PADDLE DOES NOT BELONG WITH THIS KAYAK, BUT IS SIMILAR TO THE TYPE USED.

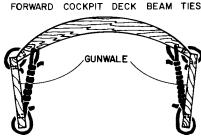
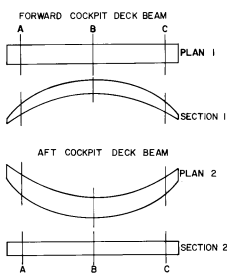
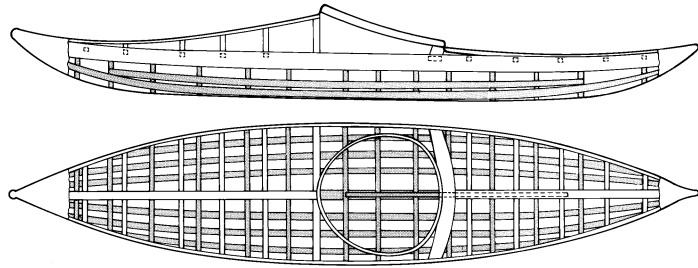


NORTH ALASKA RETRIEVAL KAYAK

UNIVERSITY MUSEUM, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA

LENGTH 9' 6.8" 291.5
 BEAM 23.2" 53.0
 DEPTH TO SHEER 7.6" 19.4
 WEIGHT 25 lbs 11.3
 SCALE 1:18 (IN CENTIMETERS)
 L.W.L. (LOAD WATERLINE) BASED ON 6" kg (1.0 lbs. MAN SEATED) 15 CM FROM BOW
 DISPLACEMENT TO SHEER 392.9 lbs 178.2 kg
 C.P. (PRISMATIC COEFFICIENT) .66
 THEORETICAL TOP SPEED 3.6 KNOTS
 LOADED KAYAK UNSTABLE AT 37° HEEL
LINES AND CONSTRUCTION DETAILS

SHEET 1 OF 1
 LINES TAKEN OFF BY DAVID W. ZIMMERLY
 MARCH 1980
 DRAFTED BY DANIEL M. MCCLINTON, 1981



| DECKBEAM | A | B | C |
|----------|-----|-----|-----|
| PLAN 1 | 3.1 | 3.4 | 3.1 |
| SECT. 1 | 2.5 | 5.8 | 2.5 |
| PLAN 2 | 2.4 | 7.0 | 2.4 |
| SECT. 2 | 2.0 | 2.5 | 2.0 |