#### Fishing—Iqallugsurtaallriit

The carved tools in this category are associated with both marine and riverine fishing, including spear fishing for salmon in rivers, line fishing for cod and halibut in marine waters, and ice fishing with a lure and a leister (Table 8.3, Figure 8.11). It is important to note that many of these items are pieces of larger composite tools. Hilary Stewart's book *Indian Fishing* (1982) has many helpful illustrations that show similar fishing gear used by neighboring people of the Northwest Coast.

Table 8.3. Alutiiq terms for fishing tools

English	Alutiiq	Comment
Fish Harpoon Valve	Ayaqum iqua <sup>c</sup>	"spear tip"
Fishhook	lqsak <sup>m</sup>	
Fishhook Barb	lqsam iqua <sup>c</sup>	
Fishhook Shank	Iqsam ilakua'a <sup>c</sup>	
Leister Center Prong	Akeq qukasqaq <sup>c</sup>	
Leister Side Prong	Akeq canisqaq <sup>c</sup>	
Leister Socket Piece	Iqum tuumiaqsuutii <sup>c</sup> , Kakiswik <sup>h</sup>	
Line Leader	IRafkum tuumiaqsuutii <sup>c</sup>	"tool for holding rope"
Lure	Narya'aq <sup>m</sup>	
Net Float	Pugtaq <sup>m</sup>	
Rig Spreader	Canamasqaq <sup>c</sup> , Iqsaguarsuuteq <sup>c</sup>	
Snood	IRafkum kupuraa <sup>c</sup>	
Spacer Bar Sinker	Kitsuut'ruaq <sup>c</sup>	
Stunning Club	Piqrutaq <sup>m</sup>	

m = term in modern usage, h = historic term, c = term created by Elder Alutiiq speakers

Figure 8.11. Marine fishing gear (left) and leister (fish spear, right) from Karluk One (AM193).



<sup>\* =</sup> suggested term needing additional review



English Names	Fish Harpoon Valv	е	Alutiiq Names	Ayaqum iqua - spear's tip
Industry	Carving	Activity Fishing	Fund	Spearing fish behind a barrier
Common Materials	Bone, Antler			
LxWxD (cm)				
Tradition	Ocean Bay		✓ Koniag	Alutiiq
Miniature	Yes Ex	cample Sites Found	Karluk One	
	○ No/Unknown			
Description	salmon in the Kach artifacts, especially design. Similar fish These small, comp	nemak to barrier spear as each harpoon hea h harpoons were used hosite harpoon heads s	fishing (with a weir, d at two or three par among the Native p sat on a wooden sha	nd reflect a change from net fishing for trap) later in time. They are common ts (known as valves) depending on eople of Southeast Alaska.  If and were tied to a line. The fisherman don the tip of shaft to continue fishing (see
	line to the fish.  There are three ba	sic styles of harpoon -	shown in the attach	ad toggled (turned sideways), securing the ed photos. All feature one long piece and harpoon head and rest atop a shaft.
	a spear shaft. Thei		d the outside of the s	nal end designed to acommodate the tip of ocket (dorsal side), likely for insuring the
		lves feature a stepped a three-piece assembly		stal portion of the harpoon head) - and
	Spurred: These va	lves feature a flared fla	ange and then a sha	ft socket in the center portion of the valve.
		specially the longer po pened. Some appear		y broken as a result of use (hitting river pening.
References				People: Culture Change on the Kodiak wr College, Bryn Mawr, PA.
Last Update	09/26/2021		Updated By Ar	my Steffian

#### FISH HARPOON VALVE

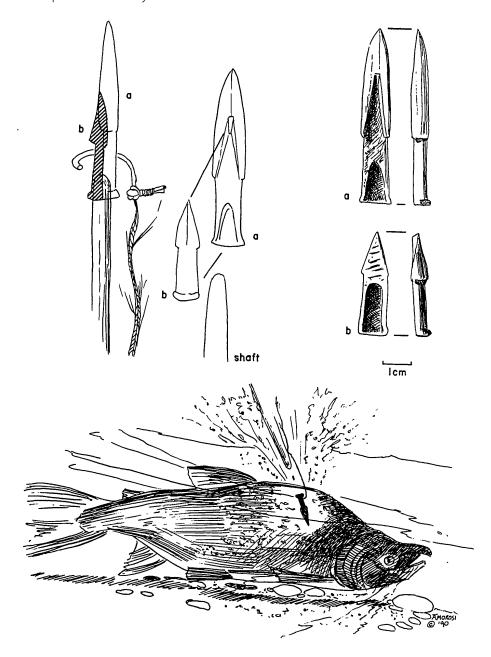
Fish harpoon valves from Karluk One (AM193)



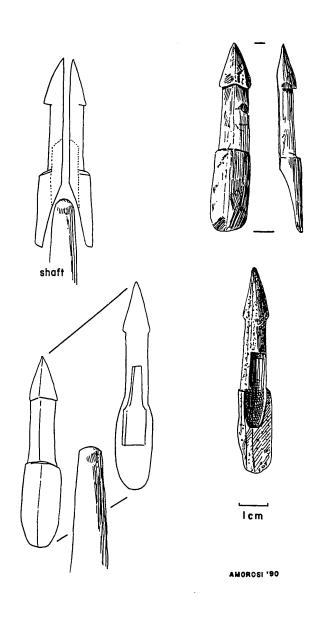


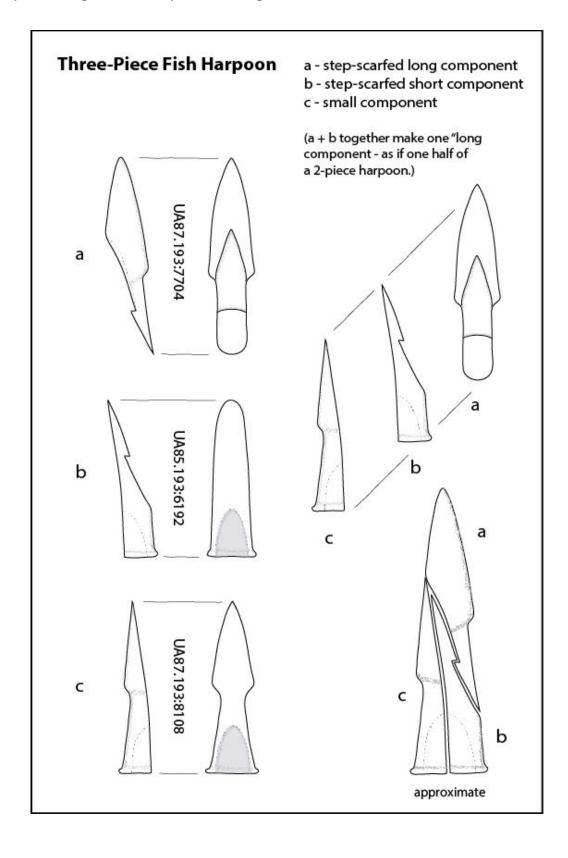
From left: socketed, scarfed, and spurred examples

Socketed fish harpoon assembly – from Knecht 1995:202



Spurred fish harpoon assembly – from Knecht 1995:213







### Artifact Class Summary Sheet

English Names	Fish Hook	Alutiiq Names	lqsak
Industry	Carving Activity Fishing	g <b>Fund</b>	Line fishing for small fish
Common Materials	Bone		
LxWxD (cm)	4 cm long		
Tradition	Ocean Bay	Koniag	Alutiiq
Miniature	Yes Example Sites For	und KAR-310	
	No/Unknown		
References	carved of bone, and appear to be in trout) in fresh water. Another piece either side of the distal end.  An example from KAR-310 features shaft with two small knobs on the outhe two knobs which were designed.  Types of single piece fishhooks werhook described above from KAR-31 central shaft with a barb on either simple of the control	s a tight, sharply pointed, uter edge of the proximal (I to keep the line from sliding for sliding from at Rice Ridge. or 10, but with a small knob of ide - like a Western ancho	ne is the J-shaped piece, much like the in the proximal end. The other has a r.  Excavations at KAR-310, Karluk Lake,
	Kodiak Island, Alaska. Report prep	ared for Koniag, Inc. by th	e Alutiiq Museum, Kodiak.
Last Update	07/09/2021	Updated By An	ny Steffian

Amy Steffian

FISHHOOK

Single-piece bone fishhook from KAR-310 (AM869)



Single-piece bone fishhooks from Rice Ridge (AM19)







07/09/2021

## Alutiiq Technological Inventory

### Artifact Class Summary Sheet

English Names	Fish Hook Barb		Alutiiq Names	lqsam iqua
Industry	Carving	Activity Fishing	Fund	Marine sea fishing
Common Materials	Bone, wood			
LxWxD (cm)	Variable			
Tradition	Ocean Bay	<b>✓</b> Kachemak	<b>✓</b> Koniag	✓ Alutiiq
Miniature	Yes	<b>Example Sites Found</b>	Uyak, Settlement Po	oint, Karluk One
	○ No/Unknow	'n		
Description		nal piece). The barbs co		lashed together—a barb (distal piece) and pes, and vary in size depending on the
	barbed at the di and more typica	stal end (a few have mo il of older, Kachemak as	ore elaborate barbing lasemblages). On the l	They are gently curved with a single but this is unusual in Kodiak assemblages proximal end of the barb, there is often a ainst the distal end of the shank, where it
	than about 9 cm treatment, to a i more stylized ai	n long that taper to a sha notch or a ring carved and and may be designed for	arp point. These has a round the end to creat a specific function. T	e are narrow, rounded pieces of wood less a variety of proximal ends, from no te a small knob. A similar wooden barb is hese pieces are long, thin, narrow triangles r, proximal end. They are sharply pointed.
	wooden rig spre spreader to sink	eader, with one on each	end., and then tied a sached photo). The pre	ey tied a pair of composite hooks to a stone line sinker to the center of the rig esence of line sinkers in Ocean Bay
References				People: Culture Change on the Kodiak wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By 🔼	my Steffian

Amy Steffian

FISHHOOK BARB

Example of a deep sea fishing rig assembled from pieces in the



Bone fishhook barbs from Karluk One (AM193) – photo courtesy Amy Margaris



Wooden fishhook barbs from Karluk One (AM193)





**Last Update** 

07/09/2021

## Alutiiq Technological Inventory

### Artifact Class Summary Sheet

			_	
English Names	Fish Hook Shank		Alutiiq Names	lqsam ilakua'a
Industry	Carving	Activity Fishing	Fund	Marine fishing
Common Materials	Bone (ribs of sea	n mammals especially), w	/ood	
LxWxD (cm)	Variable			
Tradition	Ocean Bay	✓ Kachemak	✓ Koniag	✓ Alutiiq
Miniature	Yes	Example Sites Found	Jyak, Karluk One	
	○ No/Unknown	ı		
Description	a shank (proxima size of the rig / fis Curved Shanks - rib to create thes pieces typically hedge for typing the Straight Shanks - have a notch near proximal end to he the lashing that he	al piece). The barbs come is shought.  Many shanks are curved a pieces, taking advantagave a notch near the distance hook to a line.  A smaller number of shart the distal end to accompoid the line. Above this goods the hook to the line.	d pieces of bone or vige of the natural curtal end to accommodanks a small, straightmodate a hook, and proove, on the outer from slipping.	ashed together—a barb (distal piece) and bes, and vary in size depending on the wood. Often, craftspeople used an animal rive of the material to create a shank, these date a hook, and a knob at the proximal of pieces ca. 12 cm long. These pieces dia groove along the inner edge of the edge there may be a lip designed to keep
	They feature a buinner edge (on the Alutiiq fishermen wooden rig spreader to sink for the sink for the spreader to sink for the sink for the spreader to sink for the sprea	ulge near the center whe e hook side), above the used these hooks in mander, with one on each er	re there is a notch ir bulge, is sometimes rine fishing rigs. The nd., and then tied a sned photo). The pre	uk One, are almost diamond shaped. In on face for insertion of a hook barb. The gently curved.  By tied a pair of composite hooks to a stone line sinker to the center of the rigus esence of line sinkers in Ocean Bay
References				reople: Culture Change on the Kodiak vr College, Bryn Mawr, PA.

**Updated By** 

Amy Steffian

Fishhook barbs and shanks from Karluk One (AM193)



Fishhook shank of bone (rib) from Karluk One (AM193) – photo courtesy of Amy Margaris



Wood and bone fishhook shanks from Karluk One (AM193) – photos courtesy of Amy Margaris



Trapezoidal wooden fishhook shanks from Karluk One (AM193)





07/09/2021

## Alutiiq Technological Inventory

### Artifact Class Summary Sheet

English Names	Leister Center Pro	ng	Alutiiq Names	Akeq qukasqaq
Industry	Carving	Activity Fishing	Fund	Spear fishing, bird hunting
Common Materials	Bone, antler			
LxWxD (cm)	6 to 19 cm long			
Tradition	Ocean Bay	✓ Kachemak	✓ Koniag	✓ Alutiiq
Miniature	Yes Ex  No/Unknown	cample Sites Found	Karluk One	
Description	impale fish or birds point (see attached		e typically bilaterally gs tend to be thick - u	er into a socket piece of a shaft used to barbed, but they can also be an unbarbed up to 1 cm.
References				People: Culture Change on the Kodiak wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By	my Steffian

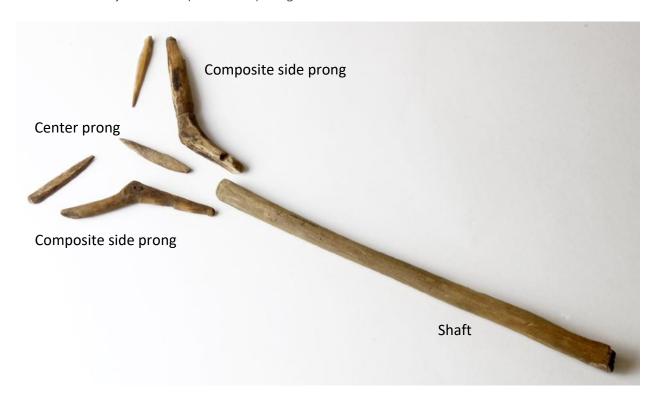
Amy Steffian

#### LEISTER CENTER PRONG

Leister assembly with a central socket piece, Karluk One collection (AM193)

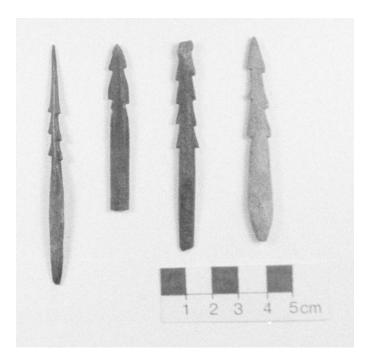


Leister Assembly with two-piece side prongs, Karluk One collection (AM193)



Leister prongs from Karluk One (AM193)







### Artifact Class Summary Sheet

English Names	Leister Side Pror	ng	Alutiiq Names	Akeq canisqaq
Industry	Carving	Activity Fishing	 Fund	ction Spear fishing, bird hunting
Common Materials	Bone, antler, woo	od		
LxWxD (cm)	6 to 19 cm long			
Tradition	☐ Ocean Bay	✓ Kachemak	✓ Koniag	✓ Alutiiq
Miniature	Yes	Example Sites Found	Karluk One	
	○ No/Unknowr	1		
Description	Side prongs are the weapon head		pieces that fit around t	the sides of fish or bird spear. They are
	in a central socke		a pair of composite s	e that have prongs designed to be inserted ide prongs ties to a central shaft. See leister.
	the knob on the s	side on the prong that re	ests against the sock	knob at the proximal end a flat area above et. The rest of the prong slopes outward ally or bilaterally) and may be slightly
	weapon's shaft a		ces that form the piero	a wide v-shaped piece that ties to the cing part of the prongs. These smaller d.
References				People: Culture Change on the Kodiak
	Archipelago from	1200–1750 AD. PhD (	dissertation, Bryn Mav	wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By Ar	my Steffian

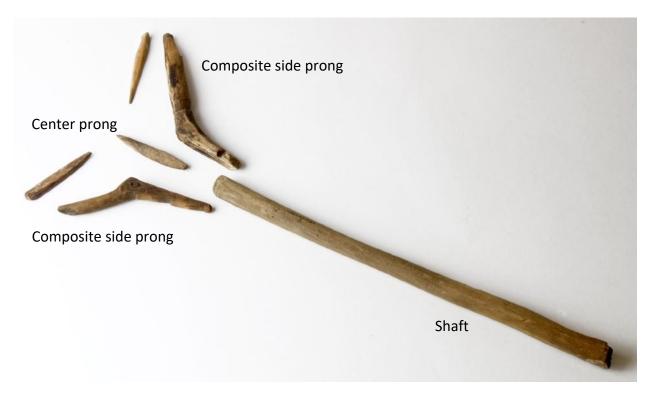
Amy Steffian

#### LEISTER SIDE PRONG

Leister assembly with a central socket piece, Karluk One collection (AM193)



Leister Assembly with two-piece side prongs, Karluk One collection (AM193)



Wooden leister side prongs from Karluk One (AM193)







07/09/2021

## Alutiiq Technological Inventory

### Artifact Class Summary Sheet

English Names	Leister Socket Piec	ce	Alutiiq Names	Iqum tuumiaqsuutii
Industry	Carving	Activity Fishing	Fund	Spear fishing, bird hunting
Common Materials	Wood			
LxWxD (cm)	16 cm long			
Tradition	Ocean Bay	✓ Kachemak	<b>✓</b> Koniag	✓ Alutiiq
Miniature	Yes Ex No/Unknown	ample Sites Found	arluk One	
<b>Description</b> References	designed to hold a spear with multiple  An example of a so proximal end featur deep slot, designed sides for side prong keep the side prong  Steffian, Amy F., M Karluk, Kodiak Alut	series of prongs—one barbs useful for speari ocket piece from Karluk re a long, narrow cylind to hold a center prongs. A groove around the gs in place.	in the center and seing fish in the water  One is about 16 cm ler designed to fit in g. The center of the e top (distal end) of  Haakanson, and Pa	long shaft, craftsmen fitted a socket piece everal along the sides. The results was a (often through the ice) or hunting birds.  In long and carved from wood. The a socketed shaft. The distal end has a tool is a large cylinder with slots on the the slots is likely for adding lashing to  atrick G. Saltonstall, 2015, Kal'unek—From uk One Site. University of Alaska Press,
	Fairbanks.			
Last Update	07/09/2021		Updated By An	ny Steffian

Amy Steffian

#### LEISTER SOCKET PIECE

Wooden leister socket piece from Karluk One (AM193)



Wooden leister socket piece from Karluk One (AM193) showing center and side prong placement.





English Names	Line Leader		Alutiiq Names	IRafkum tuumiaqsuutii
Industry	Carving Activity	<b>y</b> Fishing	Fur	Strengthen marine fishing line
Common Materials	Baleen			
LxWxD (cm)	18 cm			
Tradition	☐ Ocean Bay ☐ Ka	nchemak	<b>✓</b> Koniag	Alutiiq
Miniature	Yes Example S ○ No/Unknown	Sites Found K	arluk One	
Description	There is one example of the	mall knob for ty	ying it to a fishing I	age. One end is bent into a hook shape, ine. Like a snood, this piece protected a
References				Patrick G. Saltonstall, 2015, Kal'unek—From rluk One Site. University of Alaska Press,
Last Update	07/09/2021		Updated By	Amy Steffian

LINE LEADER

Baleen line leader from Karluk One (AM193)





07/09/2021

## Alutiiq Technological Inventory

### Artifact Class Summary Sheet

English Names	Lure		Alutiiq Names	Narya'aq
Industry	Carving	Activity Fishing	Fund	ction Ice fishing
Common Materials	Ivory, antler, bone,	and sandstone		
LxWxD (cm)	6-8 cm long			
Tradition	Ocean Bay	✓ Kachemak	<b>✓</b> Koniag	Alutiiq
Miniature	Yes Exa	ample Sites Found	lyak, Karluk One	
Description	details. Others have These pieces typica	e many anatomical det	ails. In one case a l e along the top (do	abstract (fish shaped but with limited lure from Karluk One has an inlaid eye.  rsal) edge of the carved fish, for hanging. eatch fish in winter.
References				atrick G. Saltonstall, 2015, Kal'unek—From luk One Site. University of Alaska Press,
Last Update	07/09/2021		Updated By	my Steffian

Amy Steffian

LURE

Lures from Karluk One (AM193) – Top to bottom: ivory, antler, bone





English Names	Net Float		Alutiiq Names	Pugtaq
Industry	Carving A	ctivity Fishing	Fund	Ction Net fishing
Common Materials	Wood, Bark			
LxWxD (cm)	Varies by type			
Tradition	Ocean Bay	Kachemak	<b>✓</b> Koniag	Alutiiq
Miniature	Yes Exam	nple Sites Found	Carluk One	
	○ No/Unknown			
Description				net. They provided buoyancy for the top There are two general types
	variety of styles. Most remaining wood on ei a raised rectangular s photos. Two-piece floats - 10	t have a large section ther side of the cut of section in the center a - 26 cm long: These perpendicular to the	n cut out of the top out, so the float can and a hole drilled in are oval to rectanguir long axis. One si	ed from cottonwood bark. There are a side, and sometimes a notch into the be tied to a net. Another type is a bar with either end of the bar. See attached ular shaped pieces of wood with two or ide is rounded and the other is flat. Two orm a float.
References				People: Culture Change on the Kodiak wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By Ar	my Steffian

NET FLOAT

One-piece net floats from Karluk One (AM193)



Two-piece net floats from Karluk One (AM193)





English Names	Plummet / Line We	sight	Alutiiq Names	Itsuuteq
Industry	Carving	Activity Fishing	Fund	Line weight
Common Materials	Bone			
LxWxD (cm)	up to 11 cm long			
Tradition	Ocean Bay		✓ Koniag	Alutiiq
Miniature	<ul><li>Yes Ex</li><li>● No/Unknown</li></ul>	ample Sites Found	Karluk One	
Description	bone with a narrow knob at the end. The appear to be a type Another example, for the proximal en	r, tapering, cylindrical p ne knob is to aid in tyir e of line sinker, perhaps from the Pestrikoff Fam and there is a small knob	projection carved at the second and the second at the seco	tone counterparts. They have a cylinder of the top of the proximal end, with a small nt and keep it from slipping off. They ling.  Eval with pointed ends (football-shaped). a thin groove runs the length of the piece at the line rested in the groove.
References				eople: Culture Change on the Kodiak vr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By Ar	ny Steffian

PLUMMET

Bone plummet / Line Weight from Karluk One (AM193)



Bone plummet / Line Weight from Pestrikoff Family Collection (AM330)





English Names	Rig Spreader		Alutiiq Names	Canamasqaq Iqsaquarsuuteq
Industry	Carving	Activity Fishing	Fund	Marine fishing
Common Materials	Wood			
LxWxD (cm)	20 to 36 cm long			
Tradition	Ocean Bay	✓ Kachemak	<b>✓</b> Koniag	✓ Alutiiq
Miniature	<ul><li>Yes Ex</li><li>No/Unknown</li></ul>	ample Sites Found K	arluk One	
Description	knob on either end in some cases ther be long, narrow pie The spreader is the	The knobs are typical is a true knob on the eces of wood with a hole piece to which fisherm	lly formed by a notc end of the spreader e drilled in either en nen tie hooks (one c	wood (round in cross section) with small h or indentation carved into the wood, but carved all around). Other examples may d.  on either end) and a stone sinker (to the age illustrate the construction of this rig.
References				eople: Culture Change on the Kodiak vr College, Bryn Mawr, PA.
Last Update			Updated By	ny Steffian

#### RIG SPREADER

Example of a deep sea fishing rig assembled from pieces in the Karluk One assemblage (AM193)



Wooden rig spreaders from Karluk One (AM193)



Detail of notches at end of wooden rig spreaders from Karluk One (AM193)





English Names	Snood		Alutiiq Names	IRafku kupuraa
Industry	Carving	Activity Fishing	] Fund	Line strengthening
Common Materials	Wood	-		
LxWxD (cm)	15 to 31 cm long			
Tradition	☐ Ocean Bay	☐ Kachemak	✓ Koniag	Alutiiq
Miniature	○ Yes Ex	cample Sites Found	Karluk One	
	No/Unknown	L		
Description	a thin, blunt point (	distal end). Snoods we	ere used to reinforce	for attaching the proximal end to a line) to e fishing lines and to keep lines from a hanging from a rig spreader.
References				People: Culture Change on the Kodiak wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By	my Steffian

SNOOD

Wooden snoods from Karluk One (AM193)





English Names	Spacer Bar Sinker		Alutiiq Names	Kitsuut'ruaq
Industry	Carving	Activity Fishing	Fund	ction
Common Materials	Bone			
LxWxD (cm)	10 to 20 cm long			
Tradition	Ocean Bay	✓ Kachemak	✓ Koniag	Alutiiq
Miniature	<ul><li>Yes Ex</li><li>● No/Unknown</li></ul>	ample Sites Found	Jyak, Karluk One	
Description	about the same siz oval shape over all Others have a thin net. See attached	te as net floats, but the , and there are two typ projection at each end photos.	y are heavier and ty es. Some have a h of the long axis with	om bunching up in the water. They are rpically made of bone. They are a long ole drilled in each end to tying to a net. In a small knob on the end for tying to a small knob on the end for tying to a small knob on the end for tying to a small knob on the end for tying to a small knob on the kno
References				wr College, Bryn Mawr, PA.
Last Update	07/09/2021		Updated By Ar	my Steffian

#### SPACER BAR SINKER

Spacer bar sinkers bone and antler from Karluk One (AM193)





English Names	Stunning Club		Alutiiq Names	Piqrutaq	
Industry	Carving	Activity Fishing	Fund	Clubbing a fish	
Common Materials	Wood				
LxWxD (cm)	Up to 40 cm long a	and 4 cm in diameter			
Tradition	Ocean Bay Kachemak V Koniag Alutiiq				
Miniature	_	cample Sites Found	Carluk One		
	No/Unknown				
References	(e.g., alder). Some long cylindrical bar small, novelty, base decorative. The feathers with the second seco	retain characteristics of the and a gently curved eball bats. Some have a ature give the end of the article and a gently curved eball bats. Some have a sture give the end of the article article and a gently curved eball bats. Some have a sture give the end of the article article article are a gently curved each of the article article are a gently curved each of the article article are a gently curved each of the article are a gently curved ea	of the branch, others indentation on the la wedge-shaped prose handle and animal	a boat, are made from branches of wood are more finished. These clubs features a ower third - for gripping. They resemble eximal end, that may be functional or II-like quality.  eople: Culture Change on the Kodiak or College, Bryn Mawr, PA.	
Look Hardaka					
Last Update	07/09/2021		Updated By An	ny Steffian	

STUNNING CLUB

Wooden stunning clubs (fish billies) from Karluk One (AM193)



