

Boating—Aiwitaallriit

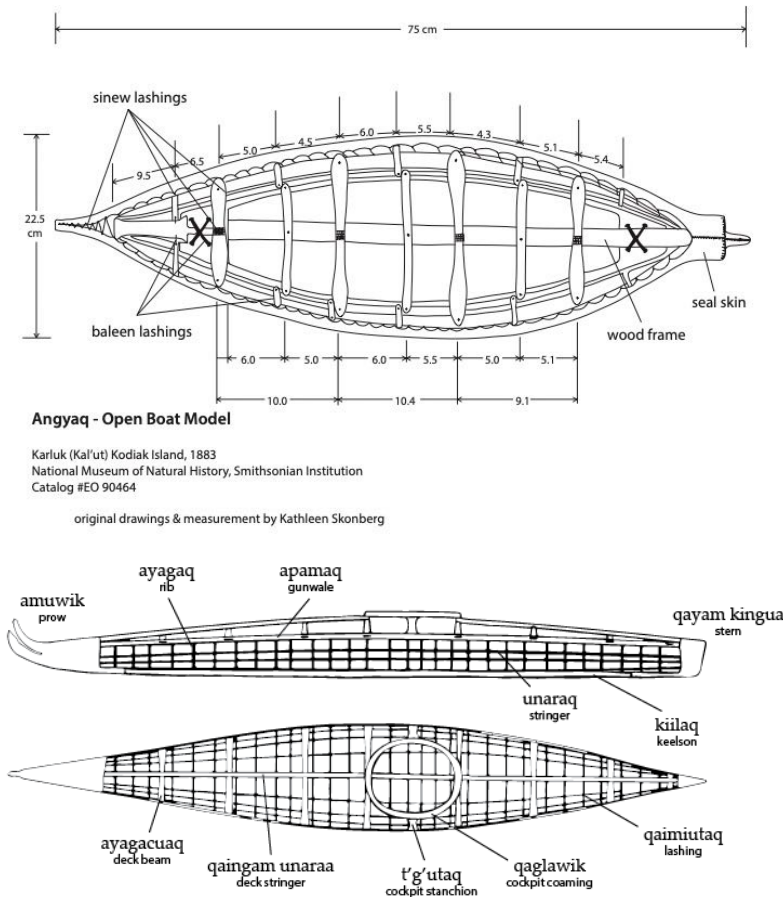
The two major types of Alutiiq boats—*qayat* (kayaks) and *angyat* (open skin boats) are both large composite artifacts with many parts. For the purposes of artifact cataloging, we group parts by boat type (Table 8.5). However, individual boat parts can be identified by comparing artifacts with contemporary or historic boats, boat models, or boat diagrams (Figure 8.14). Many of the parts on a kayak (e.g., rib or keelson) have a corresponding part on an *angyaq*. Also, as boat builders learned their craft by creating models, we include boat models in the boating category. In contrast, boat-shaped carvings of cottonwood bark are part of the playing category.

Table 8.5. Alutiiq terms for boating artifacts

English	Alutiiq	Comment
Angyaq Part	Angyam ilakua'a ^c	
Angyaq Model Part	Angyangcum ilakua'a ^c	
Kayak Part	Qayam ilakua'a ^c	
Kayak Model Part	Qayangcum ilakua'a ^c	
Paddle	Anguat ^m	

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

Figure 8.14. Angyaq and kayak frame drawings.





Alutiiq Technological Inventory

Artifact Class Summary Sheet

English Names	Angyaq Model Part	Alutiiq Names	Angyancum ilakua'ag		
Industry	Carving	Activity	Boating	Function	Model boat frame parts
Common Materials	Wood, bark				
LxWxD (cm)	Various				
Tradition	<input type="checkbox"/> Ocean Bay	<input type="checkbox"/> Kachemak	<input checked="" type="checkbox"/> Koniag	<input type="checkbox"/> Alutiiq	
Miniature	<input checked="" type="radio"/> Yes	Example Sites Found	Karluk One		
	<input type="radio"/> No/Unknown				
Description	<p>Boat builders learned, practiced, and taught boat building skill by creating models, miniature version of full sized boats. At the Karluk One site, archaeologists recovered example of miniature angyaq parts - include ribs, deck beams, and floor timbers. These parts are potentially numerous and best identified by comparison with angyaq frame drawings and model angyaq frames in the collection.</p>				
References	Steffian, Amy F., Marnie A. Leist, Sven D. Haakanson, and Patrick G. Saltonstall, 2015, Kal'unek—From Karluk, Kodiak Alutiiq History and the Archaeology of the Karluk One Site. University of Alaska Press, Fairbanks.				
Last Update	07/14/2021	Updated By	Amy Steffian		

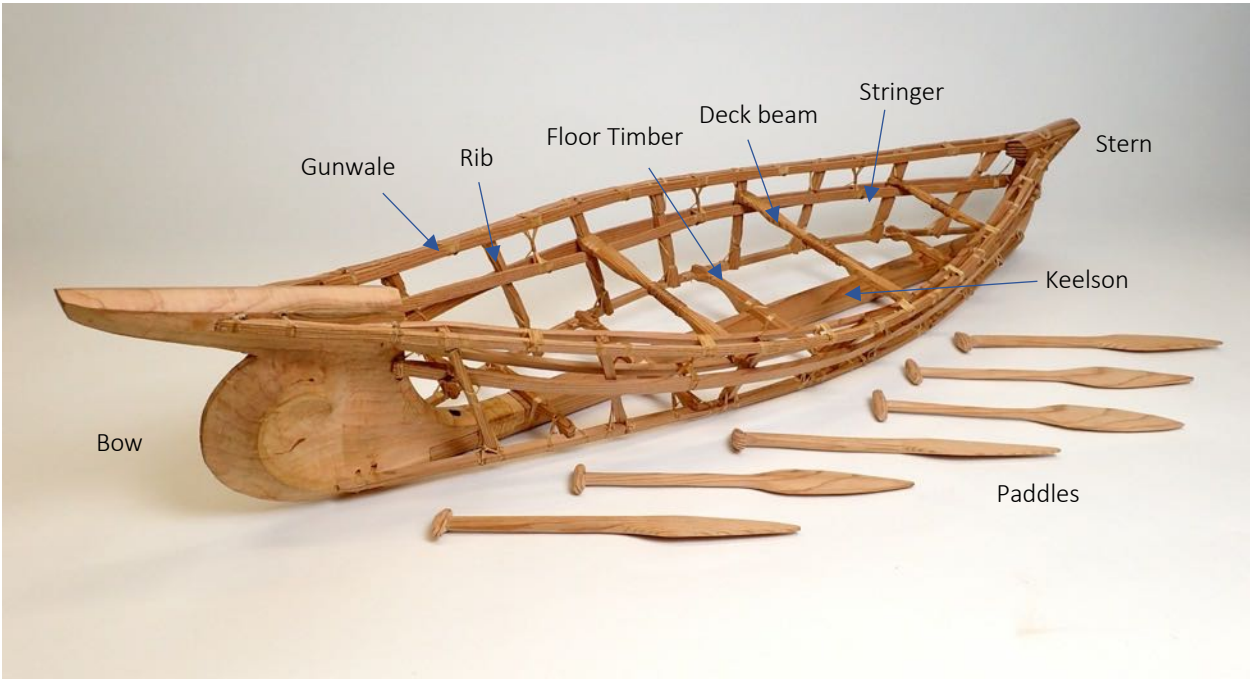
Alutiiq Technological Inventory—Carved Organic

ANGYAQ MODEL PART

Model Angyaq parts from Karluk One (AM193)



Angyaq frame model by Teacon Simeonoff (AM813)





Alutiiq Technological Inventory

Artifact Class Summary Sheet

English Names	Angyaq Parts		Alutiiq Names	Angyam ilakua'a	
Industry	Carving	Activity	Boating	Function	boat frame
Common Materials	Wood				
LxWxD (cm)	Various				
Tradition	<input type="checkbox"/> Ocean Bay	<input type="checkbox"/> Kachemak	<input checked="" type="checkbox"/> Koniag	<input type="checkbox"/> Alutiiq	
Miniature	<input checked="" type="radio"/> Yes	Example Sites Found	Karluk One		
	<input type="radio"/> No/Unknown				
Description	<p>Angyaq, large open skin boats, were used to transport groups of people and quantities of goods. These watercraft are associated with the Koniag tradition, and the early historic era, and reflect an increase in the size of construction in both buildings and boats. They are known for their dramatic, bulbous bow that provided buoyancy in stormy waters.</p> <p>Angyaq parts are diverse and there are potentially many of them. The best way to identify them is in comparison with model boat frames and frame drawings.</p>				
References	<p>Knecht, Richard A., 1995, The Late Prehistory of the Alutiiq People: Culture Change on the Kodiak Archipelago from 1200–1750 AD. PhD dissertation, Bryn Mawr College, Bryn Mawr, PA.</p> <p>Steffian, Amy F., Marnie A. Leist, Sven D. Haakanson, and Patrick G. Saltonstall, 2015, Kal'unek—From Karluk, Kodiak Alutiiq History and the Archaeology of the Karluk One Site. University of Alaska Press,</p>				
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ANGYAQ PARTS

Full-sized angyaq parts from Karluk One (AM193)



Alutiiq Technological Inventory

Artifact Class Summary Sheet

English Names	Kayak Model Part		Alutiiq Names	Qayangcum ilakua'a	
Industry	Carving	Activity	Boating	Function	Model boat frame parts
Common Materials	Wood				
LxWxD (cm)	Various				
Tradition	<input type="checkbox"/> Ocean Bay	<input type="checkbox"/> Kachemak	<input checked="" type="checkbox"/> Koniag	<input type="checkbox"/> Alutiiq	
Miniature	<input checked="" type="radio"/> Yes	Example Sites Found	Karluk One		
	<input type="radio"/> No/Unknown				
Description	<p>Kayak models, used by boat builders to teach boat building and practice their boat building skills, have the same frame pieces as a full sized kayak. The best way to identify such pieces is to compare them with full-sized or model boats, or drawings of boat frames.</p> <p>Kayak Parts</p> <p>Prow - bifurcated, up turned bow, often carved from a naturally curved piece of wood like a tree knee. Rib - vertical support piece Gunwale - runs the length of both sides of the boat. Ribs are secured to this from below, deck beams from above. Stern - squared back end piece of the boat Keelson - runs the length of the center of the bottom of the boat. Deck beam - v-shaped pieces that run perpendicular to the length of the boat and form the deck Deck stringer - long slender pieces that run down the center of the deck between the prow and the cockpit and then the cockpit and the stern. Cockpit coaming - circular pieces, likely bent with steam, that form and support the entrance to the boat. Cockpit stanchion - pieces that secure the cockpit to the gunwale.</p>				
References	Knecht, Richard A., 1995, The Late Prehistory of the Alutiiq People: Culture Change on the Kodiak Archipelago from 1200–1750 AD. PhD dissertation, Bryn Mawr College, Bryn Mawr, PA.				
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KAYAK MODEL PART

Kayak Model Parts from Karluk One (AM193)



Kayak model fragments lashed with baleen. Left photo is view down keelson with stringers running parallel.



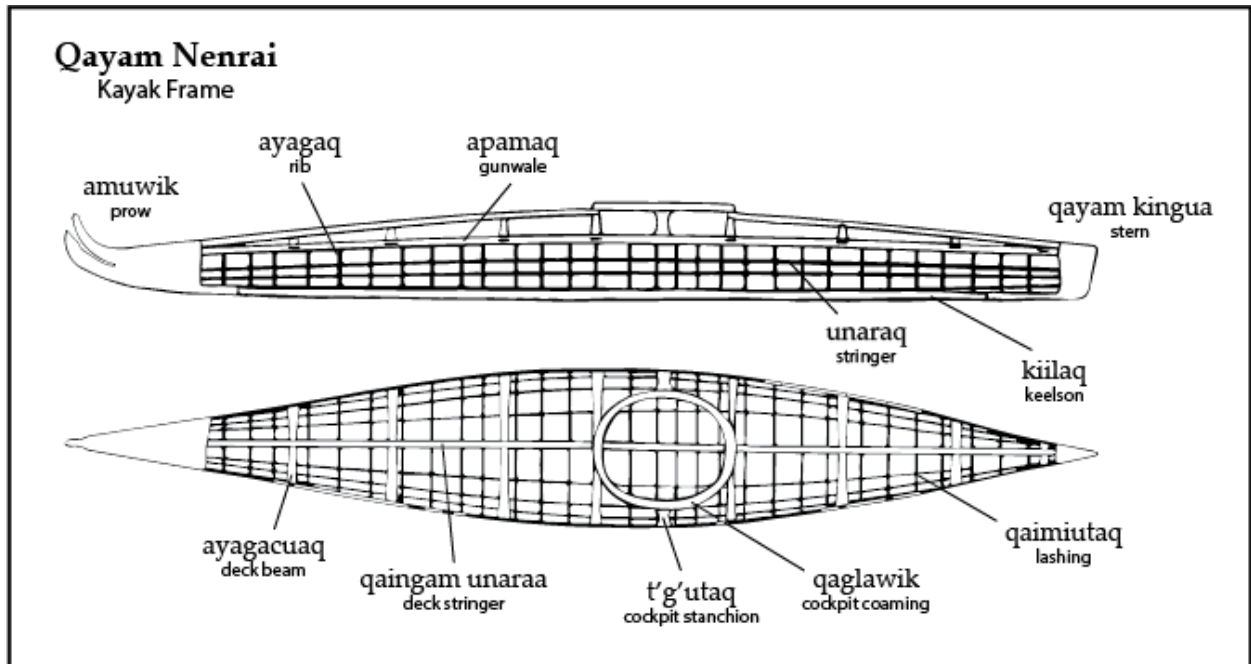


Alutiiq Technological Inventory

Artifact Class Summary Sheet

English Names	Kayak Parts	Alutiiq Names	Qayam ilakua'a		
Industry	Carving	Activity	Boating	Function	Boat frame parts
Common Materials	Wood				
LxWxD (cm)					
Tradition	<input type="checkbox"/> Ocean Bay	<input type="checkbox"/> Kachemak	<input checked="" type="checkbox"/> Koniag	<input type="checkbox"/> Alutiiq	
Miniature	<input checked="" type="radio"/> Yes	Example Sites Found	Karluk One		
No/Unknown	<input type="radio"/>				
Description	<p>Every hunter owned a kayak built specifically to his own proportions. The size of kayak pieces varied according to the size fo the boat's owner. Basic kayak parts include the following, and are best identified by comparison with full sized boats, model boats, or a diagram of a kayak frame.</p> <p>Prow - bifurcated, up turned bow, often carved from a naturally curved piece of wood like a tree knee. Rib - vertical support piece Gunwale - runs the length of both sides of the boat. Ribs are secured to this from below, deck beams from above. Stern - squared back end piece of the boat Keelson - runs the length of the center of the bottom of the boat. Deck beam - v-shaped pieces that run perpendicular to the length of the boat and form the deck Deck stringer - long slender pieces that run down the center of the deck between the prow and the cockpit and then the cockpit and the stern. Cockpit coaming - circular pieces, likely bent with steam, that form and support the entrance to the boat. Cockpit stanchion - pieces that secure the cockpit to the gunwale.</p>				
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KAYAK PARTS



Kayak parts from Karluk One (AM193)



Alutiiq Technological Inventory—Carved Organic

Kayak stringers from Karluk One (AM193)



Kayak ribs from Karluk One (AM193)





Alutiiq Technological Inventory

Artifact Class Summary Sheet

English Names	Paddle	Alutiiq Names	Anguat		
Industry	Carving	Activity	Boating	Function	Propelling boat
Common Materials	Wood				
LxWxD (cm)	Blades = 10 cm maximum width and up to 56 cm long				
Tradition	<input type="checkbox"/> Ocean Bay	<input type="checkbox"/> Kachemak	<input checked="" type="checkbox"/> Koniag	<input type="checkbox"/> Alutiiq	
Miniature	<input checked="" type="radio"/> Yes	Example Sites Found	Karluk One		
Miniature	<input type="radio"/> No/Unknown				
Description	<p>Alutiiq paddlers propelled their kayaks with long, slender paddles designed to reach below the waves to help steady boats in rough waters. At the proximal end, the paddle feature a short cross piece for a handle. Double-bladed paddles appear to be a later addition to assemblages, perhaps introduced in the historic era.</p> <p>Paddle fragments from Karluk one all taper from a sturdy, cylindrical shaft to a narrow roughly ovate blade. There are are lead two types of paddle blades. The most common blade shape is a long oval with a rounded end. Some of these pieces have a central ridge, a bevel on the surface from which the two sides of the oval thin. The other paddle type has a leaf-shaped blade with a pointed end. This may be an angyaq paddle / oar, as it resembles paddles held by model paddlers seated in model boats found in ethnographic collections.</p> <p>Like the Alutiiq paddles stored in ethnographic assemblages, many of the archaeological examples were painted.</p> <p>Miniature paddles could be both toys or pieces associated with model boats. Historic model kayaks and angyat often have gear attached to the boat deck or model paddlers holding gear like paddles.</p>				
References	Steffian, Amy F., Marnie A. Leist, Sven D. Haakanson, and Patrick G. Saltonstall, 2015, Kal'unek—From Karluk, Kodiak Alutiiq History and the Archaeology of the Karluk One Site. University of Alaska Press, Fairbanks.				
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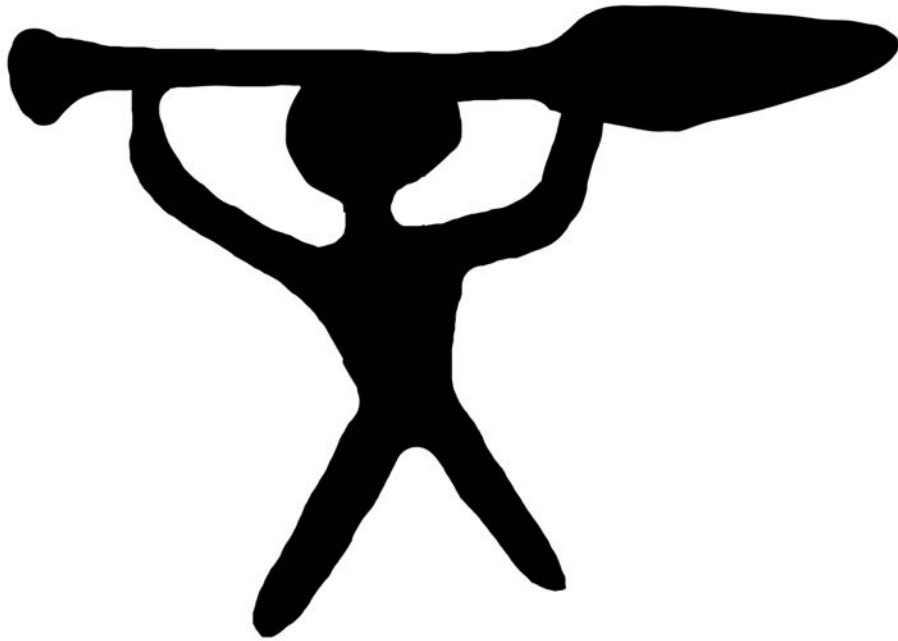
PADDLE

Paddle blades from Karluk One (AM193)



Alutiiq Technological Inventory—Carved Organic

Nineteenth century pictograph of a person holding a single-bladed paddle (Hoffman 1882:132)



Historic kayak paddle, courtesy of the descendants of Peter Paul Naumoff (AM668)

