

# ALUTIIQ TECHNOLOGICAL INVENTORY

## CHAPTER 10. RAW MATERIALS

### **Inorganic Raw Material Descriptions**

September 2021 — First Compilation



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Alutiiq Technological Inventory — Raw Materials

Basalt



Chipped point of basalt from KOD-1130, Old Harbor (AM711:116)



Basalt tools from the Penuq site, King Salmon River, Alaska Peninsula.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## Bog Iron

Bog Iron sample from the Kashevaroff site.





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

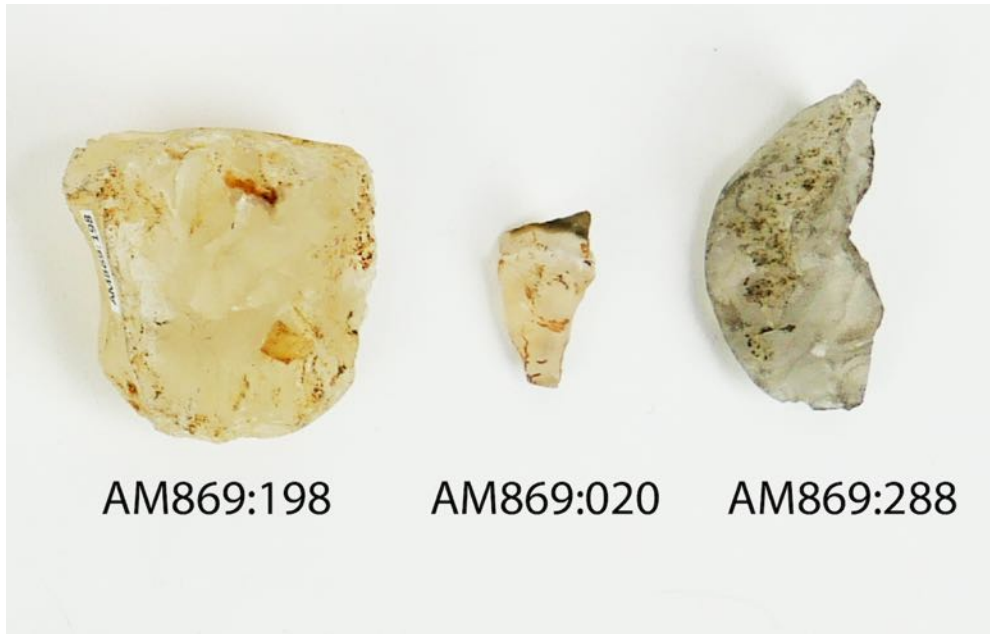
References

Last Update

Alutiiq Technological Inventory — Raw Materials

Chalcedony

Worked piece of calcedony from KAR-310, Karluk Lake



Chalcedony Flake Tool, Penguq Site,  
Alaska Peninsula UGA-050:55



Worked Chalcedony nodule, Uyak site





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Clay

### MATERIAL



Clay deposits (blue at base of profile) on the shore of Chiniak Bay – these are old lake deposits capped with layers of peat.



Clay deposits on the shore of Buskin River.



## Alutiiq Technological Inventory — Raw Materials

### CLAY FEATURES



Small clay-lined pit at Old Karluk (KAR-031)



Large clay-lined pits in house floor at Settlement Point (AFG-015)

## Alutiiq Technological Inventory — Raw Materials

### OBJECTS



Clay gaming balls from Karluk One (two grey pieces in upper left) – ca. 4 cm in diameter



Ceramic Pot from the Laughlin Collection (AM50:13)



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## COAL

### MATERIAL

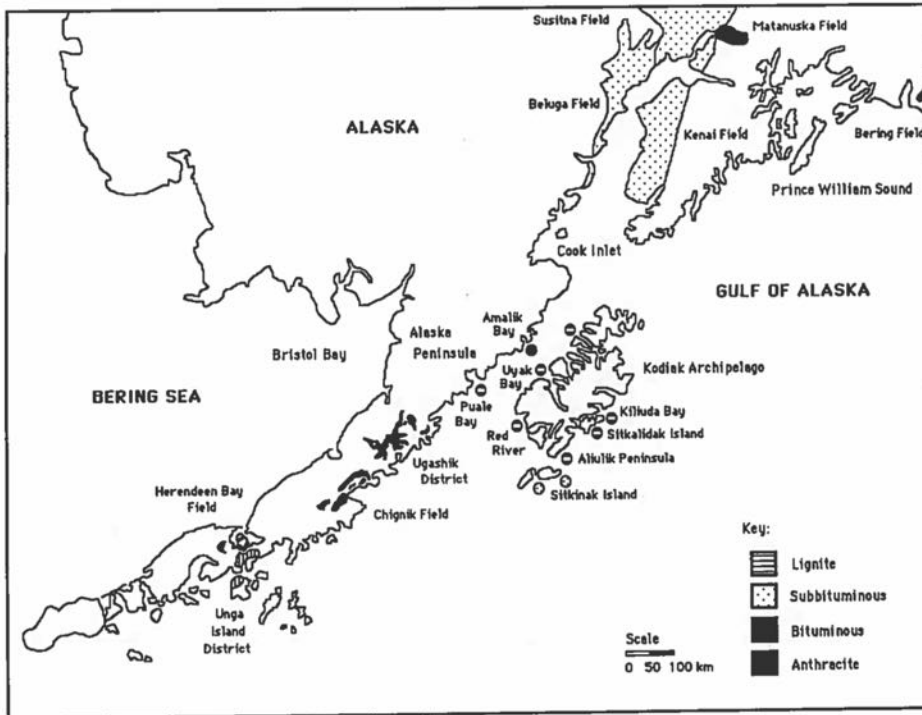


Figure 5. Distribution of coal deposits in the Gulf of Alaska (compiled from Merritt and Hawley 1986; and P. D. Rao, personal communication, 1991).

### OBJECTS



Worked coal and coal artifacts from the Uyak site and Old Karluk.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

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Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



Alutiiq Technological Inventory — Raw Materials

Copper

MATERIAL

Piece of copper ore from the Settlement Point Site (upper left, AM33.95.428)





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

# Alutiiq Technological Inventory — Raw Materials

## Exotic Chert

### MATERIAL



Above: Pebbles of exotic chert.

Below: Chert artifacts from the Penguq site, Alaska Peninsula – representing some of the cherts available in the region.

### OBJECTS





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## Alutiiq Technological Inventory — Raw Materials

### FOSSIL

Fossil bearing rocks at fossil beach, Pasagshak, Kodiak Island



Fossilized shellfish remains from the Lightfoot Collection (AM10)







# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Granite

### MATERIAL



Tonalite dike on Afognak Island, shore of Afognak Bay AM728:181

### OBJECTS



Tonalite lamps from Karluk One

Alutiiq Technological Inventory — Raw Materials



Top left: granite gaming ball; Top right: granite grooved cobbles, Bottom: Granite maul



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Graphite



Graphite carving in the shape of Refuge Rock AM100:619





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Alutiiq Technological Inventory — Raw Materials

Greenstone

OBJECTS



Greenstone Adzes from Karluk One



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Alutiiq Technological Inventory — Raw Materials

Grey Slate

OBJECTS



Grey slate objects from Karluk One



Detail of grey slate artifact with black inclusions.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## Greywacke

### MATERIAL



Greywacke cobbles on the beach at Fort Abercrombie, northern Kodiak Island



Greywacke outcrop southern Afognak Island

## Alutiiq Technological Inventory — Raw Materials

### OBJECTS



U-shaped abraders of greywacke



Greywacke Plummets



## Alutiiq Technological Inventory — Raw Materials



Greywacke net sinkers from Karluk One



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

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## Alutiiq Technological Inventory — Raw Materials

### Limestone

#### MATERIAL



Piece of limestone from the Uyak Site

#### OBJECTS



Limestone labrets from Karluk One





# Alutiiq Technological Inventory

## Raw Material Description

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Industries

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Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Metatuff

Metatuff boulder on the beach on Sitkinak Island



MT3 – Silicified Greenstone with Metallic Inclusions



## Alutiiq Technological Inventory — Raw Materials

MT3 – Silicified Greenstone with Metallic Inclusions



MT4 – Spotted Silicified Tuff





Alutiiq Technological Inventory — Raw Materials





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

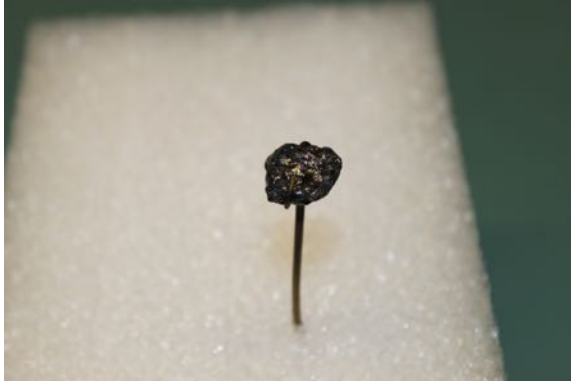
References

Last Update



## Molybdenite

### MATERIAL



Chunk of molybdenite from Zaimka Mound

### OBJECTS



Painted piece of wood from Karluk One, black paint with sparkly molybdenite.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
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Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

# Alutiiq Technological Inventory — Raw Materials

## Obsidian

### OBJECTS (photos from Rasic 2011)



Figure 6. Artifact UA88-78-3680 from the Uyak site, an obsidian projectile point base made of obsidian from the Batza Tena source some 570 miles distant.



Figure 3. Artifact AM24-9750 (AOD-08733) from the Malina Creek site (AFG-00005) is an example of obsidian from the Okmok source (Group I).



Figure 4. Artifact AM363-89-4-70-213 (AOD-08736) from the Rice Ridge site (KOD-00363) is an example of obsidian from the Okmok source (Group I).



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

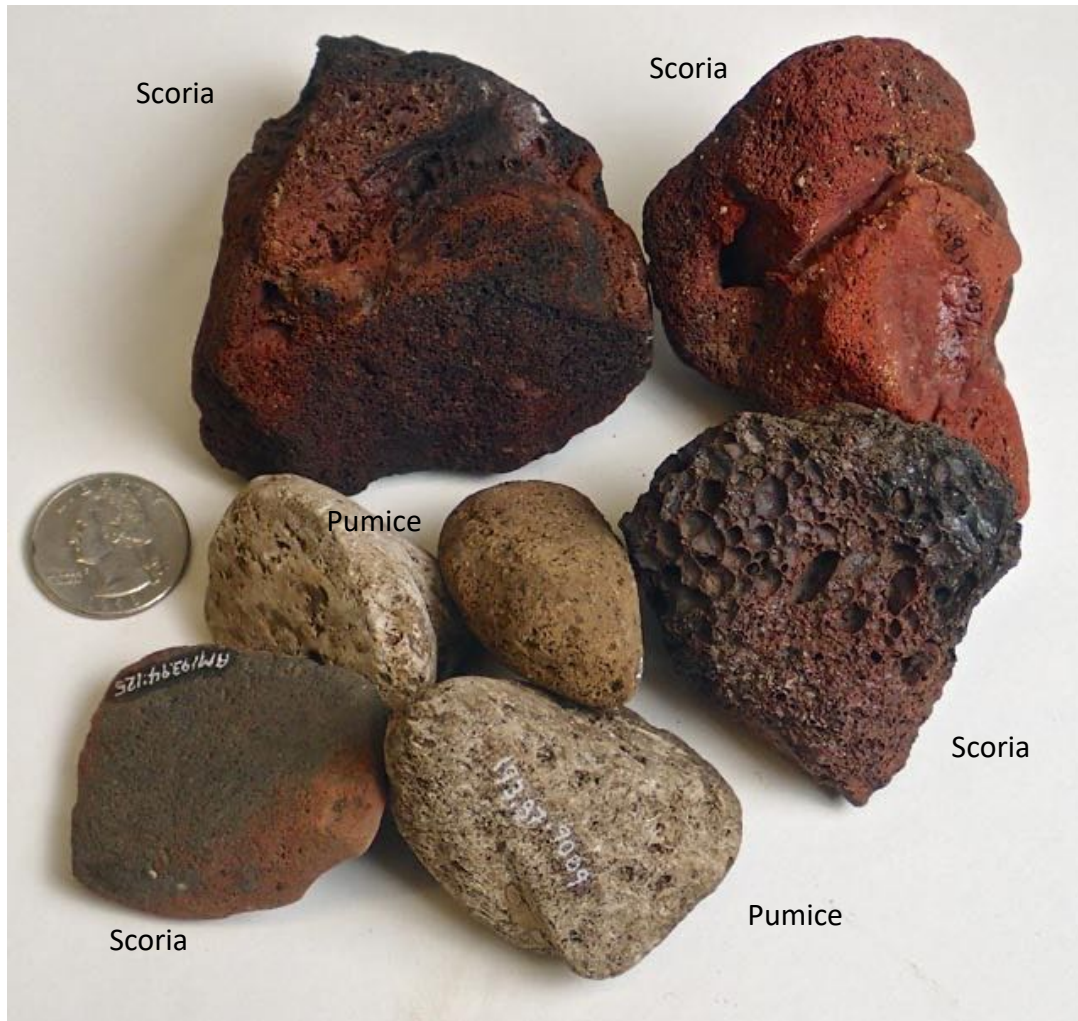
Description

References

Last Update



## Pumice



Pumice and scoria abraders from Karluk One. The red / black pieces are scoria, the light grey pieces are pumice.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

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Alutiiq Technological Inventory — Raw Materials

Quartz



Quartz vein, southern Kodiak Island.



Flake of quartz from the Uyak Site.

Alutiiq Technological Inventory — Raw Materials



Quartz knife from KOD-1130, Old Harbor.



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

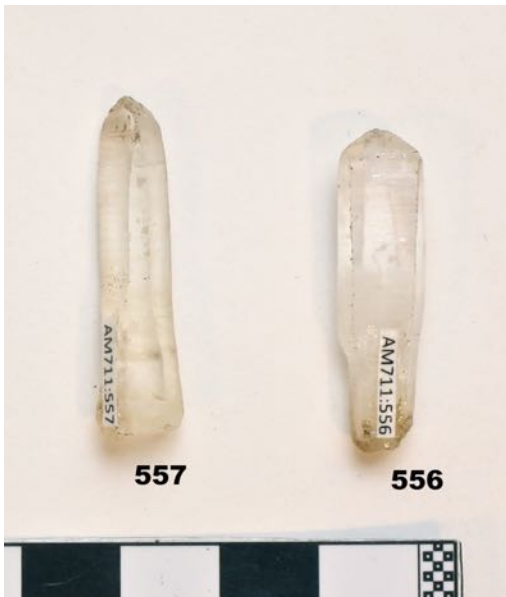
Last Update



## Quartz Crystal



Quartz crystals from Karluk One



Quartz crystals from the Kumluk Site, Old Harbor



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Red Chert

#### MATERIAL



Top: Red chert outcrop on northern Afognak Island

Bottom: Red chert outcrop on western Uganik Island

#### OBJECTS



Red chert projectile points from the Kashevaroff site

## Alutiiq Technological Inventory — Raw Materials

### OBJECTS



Red chert projectile points from the Kashevaroff site



Red chert flakes (and a few others) from the Malriik site.





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## Red Ochre

### MATERIAL

On the island of Kodiak marine Miocene strata are found, and among the specimens brought back by Wosnessenski were clay ironstones containing plant remnants referable to the Kenai group. These stones were used by the native women for reddening the inner surface of dressed skins, and the only indication of locality for them is that they came from the northern part of the island. About the middle of the island, surrounding Ugak Bay, at the old settlement of Orlovsk, and on the north shore of Miliuda [Kiliuda] Bay next southward, and on the opposite side of the island, part of the shores of Uganuk Bay and of Uganuk Island in the bay, sandstones with lignite in thin seams overlain in places by marine sandstones like those of Unga, are reported on the authority of Kharitonoff and other Russians familiar with the island.



Red Peak, Northern Afognak Island, a possible source of stone used in ochre.

## Alutiiq Technological Inventory — Raw Materials

### FEATURES



Left: Archaeologist exposing a red ochre floor at the Nayurwik site, Old Harbor (KOD-1130)  
Right: An ochre surface visible in a site erosion face (red stripe).

### OBJECTS



Grinding stones covered in ochre from KOD-1130



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Red Shale



Red shale beads from Old Karluk -UA83.209:1334; UA85.209:06172; UA85.209:6329



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



Alutiiq Technological Inventory — Raw Materials

Rhyolite



Possible rhyolite pieces from the Uyak site (AM3).



Possible rhyolite cores from Old Karluk (AM258)



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Road Cut Chert



Artifacts made of Roadcut Chert from (AM838)



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Sandstone

#### MATERIAL



Sandstone on the beach on Sitkinak Island

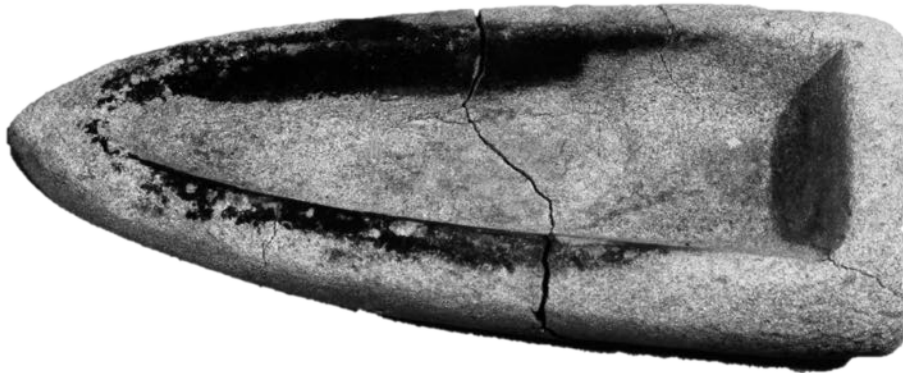
#### OBJECTS



Sandstone abraders from Karluk One.



Alutiiq Technological Inventory — Raw Materials



Sandstone lamp from Zaimka Mound (AM411)



Sandstone figurine from Chirikof Island



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Alutiiq Technological Inventory — Raw Materials

Schist



Schist tools from Old Karluk (AM258)



Schist adze from Kugyasiliwik site,  
Salonie Creek



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

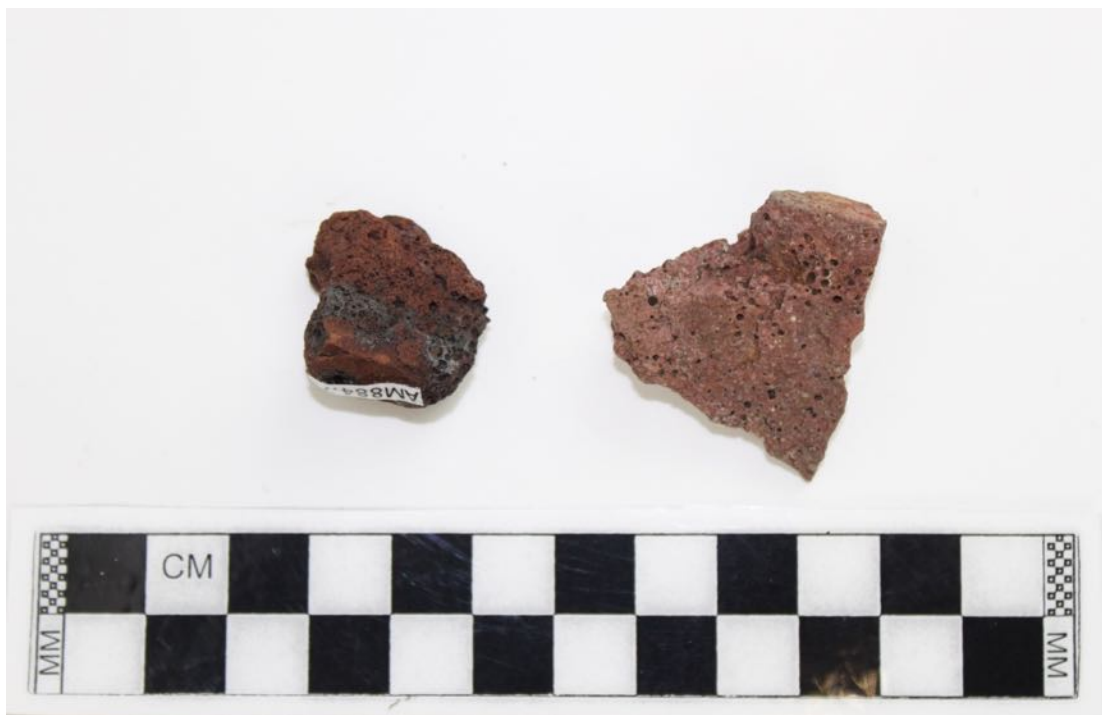


Alutiiq Technological Inventory — Raw Materials

Scoria



Scoria abraders from the Penguq site.



Scoria abrader fragments from Sitkalidak Island (AM884)





# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Siltstone

#### MATERIAL



Chase Tingle with a piece of siltstone from an exposure (behind him) on Sitkinak Island.

#### OBJECTS



Left: Siltstone whetstones from Karluk One (AM193); Right: Siltstone abraded from KAR-310



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

## Alutiiq Technological Inventory — Raw Materials

### Slate

#### MATERIAL



Slate outcrops

#### OBJECTS



Left: Slate lance, arrow, and knife, Right: Slate ulu blade with a cottonwood bark handle



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update



## Tanginak Chert

### MATERIAL



Tanginak chert cobbles eroding from conglomerate deposits on Sitkinak Island

### OBJECT



A worked piece of Tanginak Chert



# Alutiiq Technological Inventory

## Raw Material Description

English Name

Alutiiq Name

Geographic  
Affiliation

Associated  
Industries

Common  
Objects

Example in Kit

Yes

No

Examples  
(Catalog #s)

Description

References

Last Update

Alutiiq Technological Inventory — Raw Materials

Tuff

T1



T2

