



MAP NOTES:
 This map was prepared by Kawerak Inc. in cooperation with the Alaska Department of Commerce, Community and Economic Development (Commerce) using funding from the Bureau of Indian Affairs, Alaska Native Tribal Health Consortium, Village of Shishmaref and funding from the Initiative for Accelerated Infrastructure Development (IAID). The IAID is supported by grants from the Denali Commission, USDA Rural Development, Alaska Department of Transportation and Public Facilities and Commerce. Preparation of this map was financed in part by the Mini-Grant Program with funds from the U.S. Forest Service. The Mini-Grant Program is administered by the Department of Commerce, Community and Economic Development Division of Community Advocacy. Kawerak Inc. contracted with Global Positioning Services, Inc. in June of 2004 to prepare the map.

This map should not be construed as a survey. On-site surveys should be conducted prior to engineering or construction.

This map was compiled to meet horizontal and vertical accuracy in accordance with national map accuracy standards.

Property and utility information has been generated from readily available sources with limited accuracy checks. Property information is not intended to represent a title search of the Records Office record. Utility location is approximate and shows only the main lines as the service lines have been omitted for clarity. Generally, the information is current as of December 2004.

The Alaska Native Tribal Health Consortium, and Village Safe Water provided sanitation facility records. This map is based on photography acquired on June 11, 2004 at a nominal scale, of 1 in = 800 ft.

AeroMap U.S. prepared the orthophoto and topographic mapping. The orthophoto is an aerial photo which has been corrected, by rectification to ground control stations, to remove distortions and warpage due to ground topography and aircraft tilt and trim.

HORIZONTAL AND VERTICAL CONTROL
 The control monument for the digital orthophoto was N.G.S. Point "Wales". Published horizontal datum NAD 1983 coordinates for this monument are North 65° 37' 20.13825" and West 168° 03' 38.34415". The vertical datum NGVD 1929 for this monument is 16 feet above mean high water (MHW).

The Village of Shishmaref has been adjusted to this control using high-precision GPS methods and the adjusted coordinates and elevation for DOT & PF Monument "B8-00 1992", were calculated to establish a local control reference. The NAD 1983 coordinates for this point are North 66° 15' 17.81525" and West 168° 03' 45.78639" and the NAD-83 elevation is 4.086 feet above mean high water (MHW). The contours were prepared at two (2) foot contour intervals with index contours every ten (10) feet.

FLOOD NOTES
 According to the U.S. Army Corps of Engineers, storm surge at Shishmaref has not been studied in depth. Highest storm surge elevations have been in the order of 8 feet MSL on the Chukchi Sea coast side and 6 feet MSL on the lagoon side of Starfish Island. The City of Shishmaref Flood Insurance Rate Map (FIRM) published by FEMA effective date 8/23/2001 was based on the November 9-10, 1973 flood and will be updated in the future using this Shishmaref orthophoto and topography.

- BUILDING KEY**
- 25. BSSD Teacher Housing
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 - 27. Warehouse
 - 28. General Store/Freezer Site
 - 29. American Lutheran Church
 - 30. Patronage
 - 31. Nayokpak Trailer Rental
 - 32. Bering Straits Regional Housing Authority
 - 33. Washeteria
 - 34. Storage Building
 - 35. Old Tannery Building
 - 36. New Tannery Building
 - 37. Generator Building
 - 38. FAA Facilities
 - 39. Pump House

BERING STRAITS NATIVE CORPORATION

Community Map
SHISHMAREF

66° 15' 17" N 168° 03' 45" W (NAD 83)
 Approximate Elevation: 4'
 Township 10 North, Ranges 34 & 35 West, K.R.M., AK
 U.S.G.S. Quadrangle "SHISHMAREF B-3," Alaska
 CAPE NOME RECORDING DISTRICT

LEGEND

Commercial Building	Fuel Line
Public Building	Water Line
Residential Building	Sewer Line
DOT & PF R/W Station 88+00 Basis of Coordinates	Electric Line
Power Poles	Telephone Line
Runway Marker	Edge of Water
	Specified Land Use
	Berrypicking
	Boat Storage
	Cultural Sites
	EIN Trail Easement

SCALE: 1"=100'
 Date of Photography: June 11, 2004
 Magnetic Declination computed by U.S.G.S. Geomag
 Program using AK-2000.COF model as of August 15, 2004

0 100 200 300
 SCALE IN FEET

SHEET 2 of 3



Elevation intervals on the map are derived from 2004 source data. Temporal changes, human or naturally induced, may have occurred that will cause the elevations depicted on these maps to no longer represent actual surface conditions.

Please note the following disclosures/use limitations:
 - These maps illustrate elevations and are not intended for use in the definition of flood zones. Flood levels are not perfectly flat and will not directly correspond to specific elevations.

Vertical and horizontal accuracies vary by location.
 Best available data sets in Alaska are not always up-to-date. Examples: Houses or infrastructure may have moved since DCRA linework was completed, local engineering projects might raise a road or add a seawall, and/or beaches and sand spits may have naturally changed shape.
 Colors are restricted to areas of known elevation, in some cases the best available elevation model does not cover the entire DCRA Community Map area.

Color Key Available as Separate Sheet
 The interval values shown to the left define the vertical width of each colored elevation range, these values do not correspond to the absolute vertical elevations. For up-to-date numerical elevation values associated with each colored range, see key on separate sheet MP-154 'Golovin Numerical Elevation Table'

High 1.0 m Interval
 1.0 m Interval
 0.5 m Interval
 0.5 m Interval
 Low 2.0 m Interval

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SHISHMAREF COMMUNITY MAP SHEET 2 1"=100' (2004 PHOTOGRAPHY)