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KIVALINA AIRPORT
TRACT IV
Land Management
Assignment to DOT/PP
Bk 29 Pg 441

KIVALINA AIRPORT
TRACT I
PATENT
1231546

KIVALINA AIRPORT
TRACT V
Land Management
Assignment to DOT/PP
Bk 29 Pg 441

CITY BOUNDARY

BUILDING KEY

1. Native Store Tank Farm
2. School Tank Farm
3. School Rental Unit
4. McQueen School
5. Kivalina Native Store
6. Native Store Warehouse
7. Old Tank Farm
8. Native Store Storage
9. Friends Church Storage
10. Water Pump House
11. Friends Church
12. Washeteria
13. Water Tank
14. Alaska Army National Guard
15. Water Tank
16. Clinic
17. City Rental Unit
18. OTZ Telephone Co-op
19. City Rental Unit
20. City Bingo Hall
21. Community Hall
22. Alaska Village Electric
23. AVEC Tank Farm
24. Epiphany Church
25. Post Office
26. City Hall/IRA Office
27. City Storage
28. Public Safety/City Jail
29. GCI Phone Module
30. Friends Church Cabin
31. IRA Council Storage
32. Heavy Equipment Storage
33. DOT Hangar

KIVALINA LAGOON

164°31'30" W
67°43'42" N

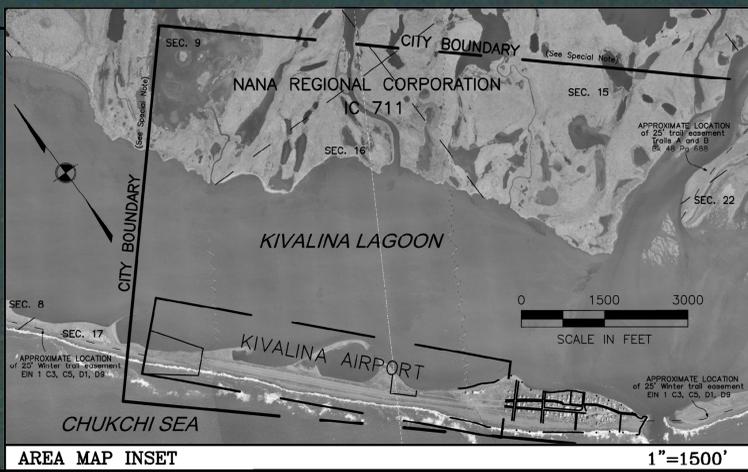
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SPECIAL NOTE

City Boundary
The official 1969 metes and bounds description of the City designates that the City of Kivalina boundaries are located slightly northeast of the boundaries displayed herein. However, the department of Community and Economic Development considers the City of Kivalina municipal boundary shown in this profile to reflect the intent of the petitioners for incorporation of the City of Kivalina. Correction of the metes and bounds description of the City requires action by the Alaska Local Boundary Commission and approval by the Alaska Legislature.



MAP NOTES

This map was prepared under the direction of the Northwest Arctic Borough by McClintock Land Associates, Inc. It was funded by the Alaska Coastal Management Program, Office of the Governor, pursuant to National Oceanic and Atmospheric Administration Award No. NA97020153 and the NANA Regional Corporation. The grant has been administered by the Alaska Office of the Governor, Division of Governmental Coordination, and the Department of Community and Economic Development, Municipal and Regional Assistance Division.

This map is based upon a digital orthophoto prepared to National Map Accuracy Standards from August 17, 1999 photography (original scale 1" = 500').

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.

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

Property and utility information has been generated from readily available sources with limited accuracy checks. Property information does not include a search of Records Office records. Utility location is particularly imprecise and shows only the main lines as the service lines have been omitted for clarity. Generally, the information is current as of November 15, 1999.

ELEVATION DATA

The datum for the elevation on this map is feet above mean high water (MHW). The State of Alaska, Department of Natural Resources, established several tidal bench marks on this datum at Kivalina, in 1984 in coordination with NOAA. These bench marks were not found in 1999 and are presumed to have been destroyed by erosion since that time. However, during a separate survey project in 1990, McClintock Land Associates tied these bench marks into a brass cap monument at the Witness Corner to the bench mark for this 1999 mapping project and has an elevation of 6.92 feet (MHW).

FLOOD DATA

The U.S. Army Corps of Engineers report "Community Improvement Feasibility Report Kivalina, AK" (April 1998), estimates the 100-year water level to be 10.6 feet above mean lower low water, including wave setup. This is equivalent to 9.83 feet above mean high water (MHW), which was the datum used on this map (see ELEVATION DATA).

**Community Map
KIVALINA**

67° 43' 41" N 164° 32' 06" W (NAD 27)
Approximate Elevation: 10'
Township 27 North, Range 26 West, K.R.M., AK
U.S.G.S. Quadrangle "NOATAK C-5," Alaska
KOTZEBUE RECORDING DISTRICT

LEGEND

Residential Building	Sewer Line
Commercial Building	Sewer Force Main
Public Building	Water Line
Edge of Water	Fuel Line
Electric Line w/pole	Street Light
Underground Elec. Line	Earth Station
Cable Television Line	Generator
Telephone Line w/pole	Windmill

SCALE: 1"=100'
Date of Photography: August 17, 1999
Magnetic Declination computed by U.S.G.S. Geomag Program using AK-1995.COF model as of November 15, 1999.

SCALE IN FEET
0 100 200 300

SHEET 1 of 2



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 map figures 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.

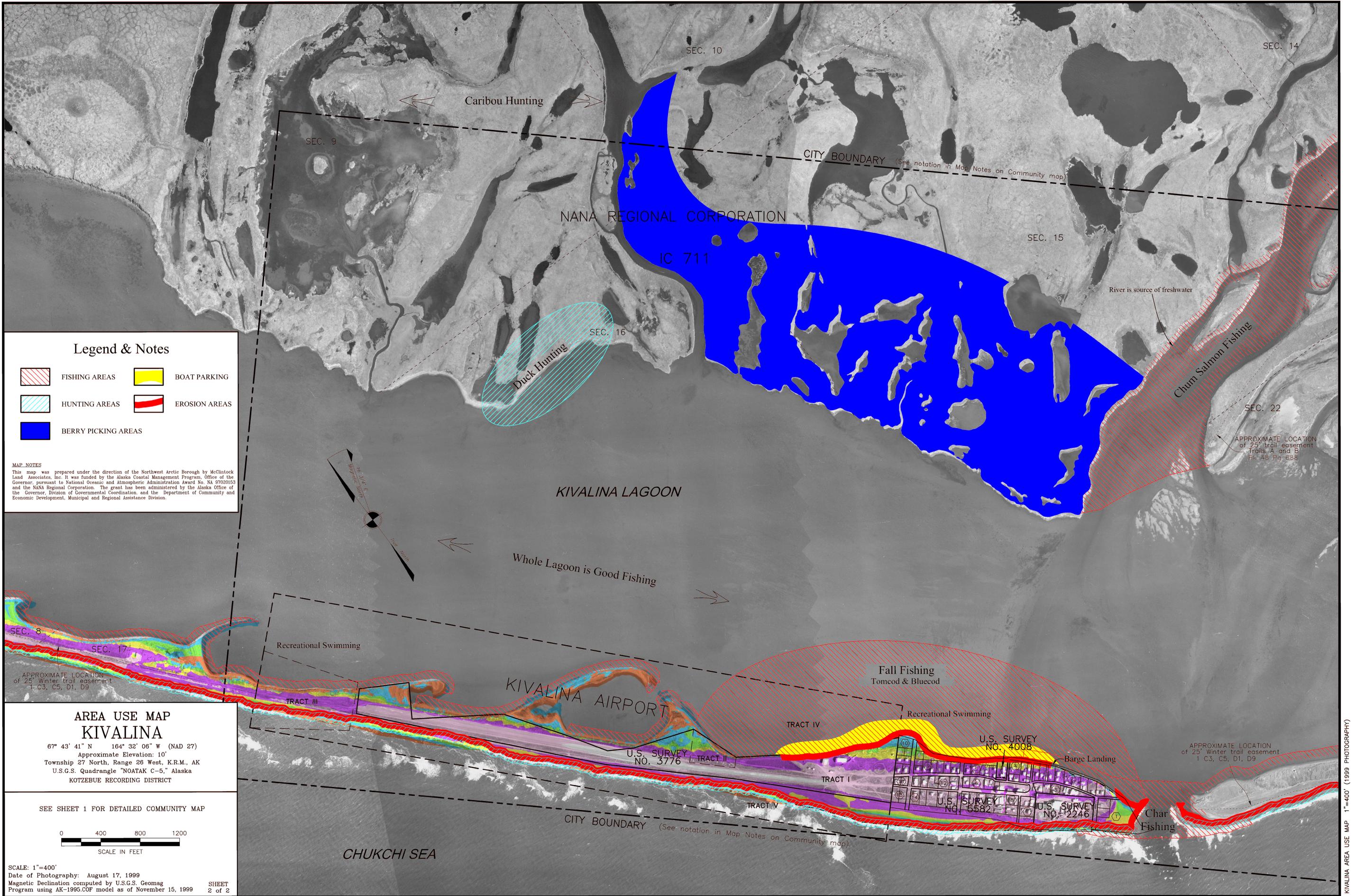
Color Key Available as Separate Sheet

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

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 Transportation Planning, Alaska Native Tribal Health Consortium, Alaska Village Electric Cooperative, 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. Kawerak Inc. contracted with Global Positioning Services Incorporated in May of 2004 to prepare the map. The original AutoCAD drawing or orthophoto has been revised or added to as described. DGGS has reduced the linework and labeling, introduced 2013 lidar elevation ranges, and highlighted critical infrastructure for use in hazard impact communication.

KIVALINA COMMUNITY MAP SHEET 1 1"=100' (1999 PHOTOGRAPHY)



Legend & Notes

- FISHING AREAS
- BOAT PARKING
- HUNTING AREAS
- EROSION AREAS
- BERRY PICKING AREAS

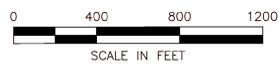
MAP NOTES

This map was prepared under the direction of the Northwest Arctic Borough by McClintock Land Associates, Inc. It was funded by the Alaska Coastal Management Program, Office of the Governor, pursuant to National Oceanic and Atmospheric Administration Award No. NA 87020163 and the NANA Regional Corporation. The grant has been administered by the Alaska Office of the Governor, Division of Governmental Coordination, and the Department of Community and Economic Development, Municipal and Regional Assistance Division.

**AREA USE MAP
KIVALINA**

67° 43' 41" N 164° 32' 06" W (NAD 27)
 Approximate Elevation: 10'
 Township 27 North, Range 26 West, K.R.M., AK
 U.S.G.S. Quadrangle "NOATAK C-5," Alaska
 KOTZEBUE RECORDING DISTRICT

SEE SHEET 1 FOR DETAILED COMMUNITY MAP



SCALE: 1"=400'
 Date of Photography: August 17, 1999
 Magnetic Declination computed by U.S.G.S. Geomag Program using AK-1985.COF model as of November 15, 1999

SHEET
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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 map figures to no longer represent actual surface conditions.
Please note the following disclosures/use limitations:
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• 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.

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

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'

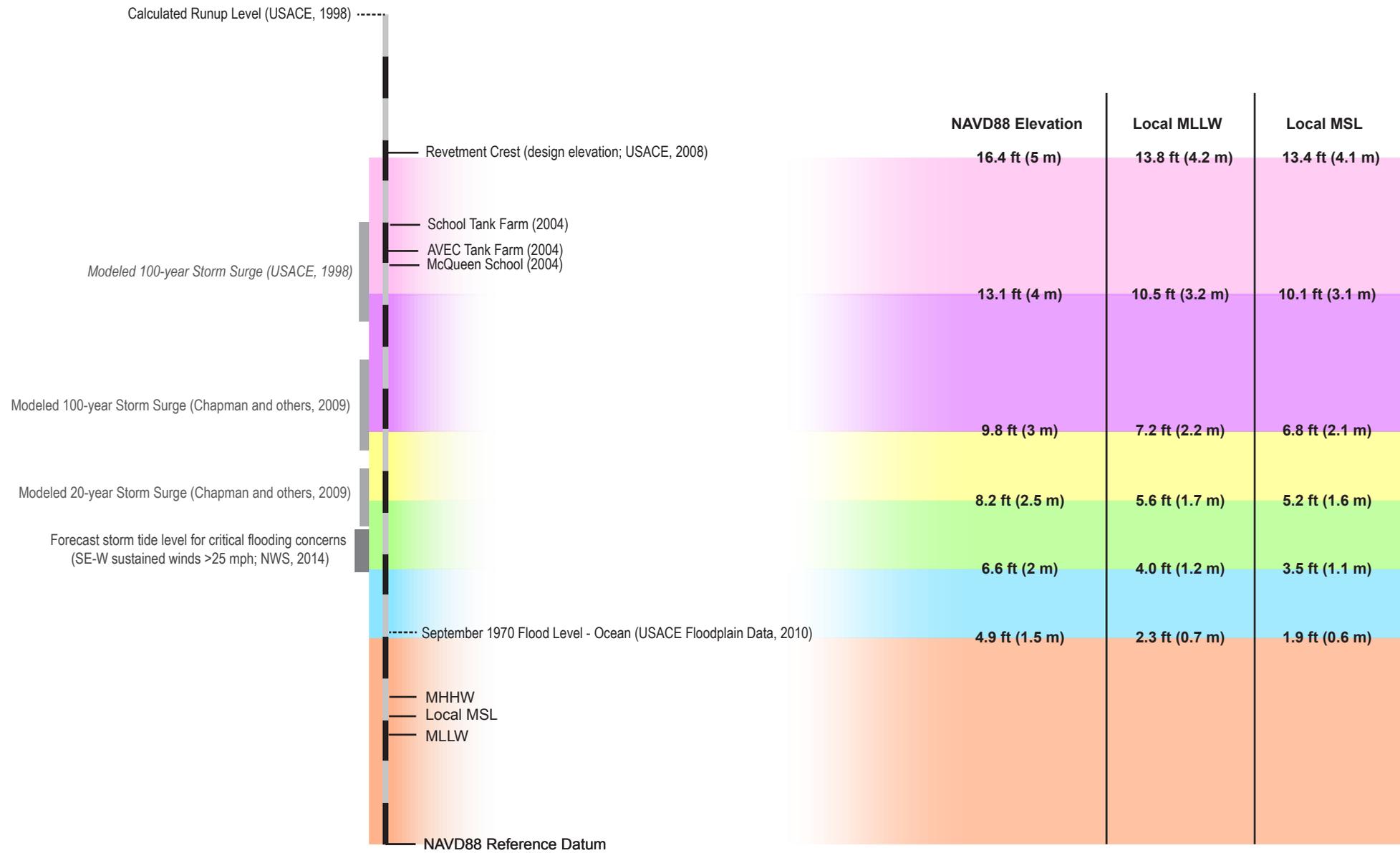
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KIVALINA AREA USE MAP 1"=400' (1999 PHOTOGRAPHY)

Modeled/Calculated Water Levels

Measured Water Levels & Significant Elevations

Color-Indexed Map Ranges



*Tide Staff
(marked in intervals of feet)*