



MAP SYMBOLOGY

BASE MAP LAYERS

- JURISDICTIONAL BOUNDARY
- MAJOR ROAD

BASE MAP LAYER NOTES

*Emmonak resides completely within a 20 ft Zone AH Special Flood Hazard Area (NGVD 1929)
*Due to scale limitations, certain base map layers were omitted for this map

COMMUNITY INSIGHT

- CRITICAL FACILITIES
- AREAS OF CONCERN
- AREAS OF GROWTH AND DEVELOPMENT

SCALE

1 inch = 400 feet

1:4,800

Coordinate System: NAD 1983 StatePlane Alaska 8 FIPS 5008 Feet
Projection: Transverse Mercator
Datum: North American 1983

0 200 400 800 1,200 1,600 Feet

AREAS OF CONCERN

Label	Description	Source
1	City Dock area - raising above 1% elevation to prevent damage to snow machines and other vehicles	Phone Interview
2	Erosion issues - Women's shelter is at risk	Phone Interview
3	Erosion issues - During ice melt, water surges and erodes river bank	Phone Interview
4	Tank Farm - Wetland/Under fire protection	Phone Interview
5	Several areas of Permafrost thawing creating lakebed	Discovery Meeting
6	Water floods in from Yukon River and Emmonak Slough and cannot escape. Culverts are ineffective.	Discovery Meeting
7	Culvert located in peculiar position. Might be counterproductive and further flooding from Yukon.	Discovery Meeting
8	Suggested location for drainage ditch to divert water away from lots and homes.	Discovery Meeting
9	Water is flowing from the Yukon River through this low lying area to nearby residents.	Discovery Meeting
10	Standing water covers Seventh Street for a long period of time.	Discovery Meeting
11	Year round ponding nearby residents.	Discovery Meeting
12	Culvert needed to disperse water.	Discovery Meeting
13	Fire Station needs to be rebuilt. Fire truck is stored elsewhere around the city.	Discovery Meeting
14	Road improvements to control permeability. Project funded, implementation shortly.	Discovery Meeting
15	Culvert undersized. 2012 flood washed out section of road.	Discovery Meeting
16	Beaver dams are reversing the flow of wastewater back towards the city.	Discovery Meeting
17	Flooding from Kwaguk Pass was not able to flow through culvert during severe flooding.	Discovery Meeting
18	Surplus water from Kwaguk Pass travels up Emmonak Slough and overtops in low lying areas.	Discovery Meeting
19	Several segments of Airport Road have washed away from past flooding.	Discovery Meeting
20	During high water events, logs may jump banks and crash into structures.	Discovery Meeting
21	New school is loop shelter and is only source of high ground for 8+ miles.	Discovery Meeting

CRITICAL FACILITIES

Label	Description	Source
1	Critical Facility - Retail - Candy Store	YDFDA
2	Critical Facility - Emmonak Corp - ANICA	YDFDA
3	Critical Facility - Fuel - Gas Station	YDFDA
4	Critical Facility - YDFDA - Electric Plant	YDFDA
5	Critical Facility - YDFDA - Storage	YDFDA
6	Critical Facility - YDFDA - Shop	YDFDA
7	Critical Facility - YDFDA - Housing	YDFDA
8	Critical Facility - YDFDA - Office	YDFDA
9	Critical Facility - YDFDA - Storage	YDFDA
10	Critical Facility - YDFDA - Value Add / Storage	YDFDA
11	Critical Facility - Emmonak Corp - Storage	YDFDA
12	Critical Facility - Emmonak Corp - Shop	YDFDA
13	Critical Facility - Comm - TV/Cable Station	YDFDA
14	Critical Facility - Tele - United Utilities, Inc.	YDFDA
15	Critical Facility - Retail - AK Commercial Co	YDFDA
16	Critical Facility - Fuel - AVEE	YDFDA
17	Critical Facility - Retail - Azco Warehouse	YDFDA
18	Critical Facility - Restaurant	YDFDA
19	Critical Facility - Public - Tank Farm	YDFDA
20	Critical Facility - Public - Chukotkavsk Office	YDFDA
21	Critical Facility - Public - Community Office	YDFDA
22	Critical Facility - Public - LYSD Teacher Housing	YDFDA
23	Critical Facility - Public - LYSD Teacher Housing	YDFDA
24	Critical Facility - Public - LYSD Teacher Housing	YDFDA
25	Critical Facility - Public - LYSD Teacher Housing	YDFDA
26	Critical Facility - Public - LYSD Teacher Housing	YDFDA
27	Critical Facility - Public - LYSD Teacher Housing	YDFDA
28	Critical Facility - Public - Washeteria/Sauna	YDFDA
29	Critical Facility - Public - Grant Aviation Hangar	YDFDA
30	Critical Facility - Public - AK Ship Trooper	YDFDA
31	Critical Facility - Public - YKHC Shop	YDFDA
32	Critical Facility - Public - YKHC Clinic Duplex	YDFDA
33	Critical Facility - Public - YKHC Clinic Duplex	YDFDA
34	Critical Facility - Public - YKHC Hospital	YDFDA
35	Critical Facility - Public - USPS	YDFDA
36	Critical Facility - Public - Public Works Building	YDFDA
37	Critical Facility - Public - Church	YDFDA
38	Critical Facility - Public - Police / Pub. Safety	YDFDA
39	Critical Facility - Public - LYSD Emmonak School (Shelter)	YDFDA
40	Critical Facility - Public - LYSD Teacher Housing	YDFDA
41	Critical Facility - Public - National Guard Armory	YDFDA
42	Critical Facility - Public - LYSD Teacher Housing	YDFDA
43	Critical Facility - Public - LYSD Shop	YDFDA
44	Critical Facility - Public - LYSD Teacher Housing	YDFDA
45	Critical Facility - Public - Dance Hall	YDFDA
46	Critical Facility - Public - Church	YDFDA
47	Critical Facility - Public - Women's Shelter	YDFDA
48	Critical Facility - Public - WFP/Storage/Fuel	YDFDA
49	Critical Facility - Public - Fire Station	YDFDA
50	Critical Facility - Public - AK DPE	YDFDA
51	Critical Facility - Public - Boys and Girls Club	YDFDA
52	Critical Facility - Public - LYSD Teacher Housing	YDFDA
53	Critical Facility - Public - AK DPE	YDFDA
54	Critical Facility - Public - Azco Warehouse	YDFDA
55	Critical Facility - Public - New Washeteria	YDFDA
56	Critical Facility - Residential - Grant Aviation	YDFDA

PROPERTY SPECIFIC CONCERNS

- Erosion
- Inadequate Drainage
- Inadequate Drainage with Depth Observation
- Structural Flooding
- Land Subsidence

SCALE

1 inch = 400 feet

1:4,800

Coordinate System: NAD 1983 StatePlane Alaska 8 FIPS 5008 Feet
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0 200 400 800 Feet

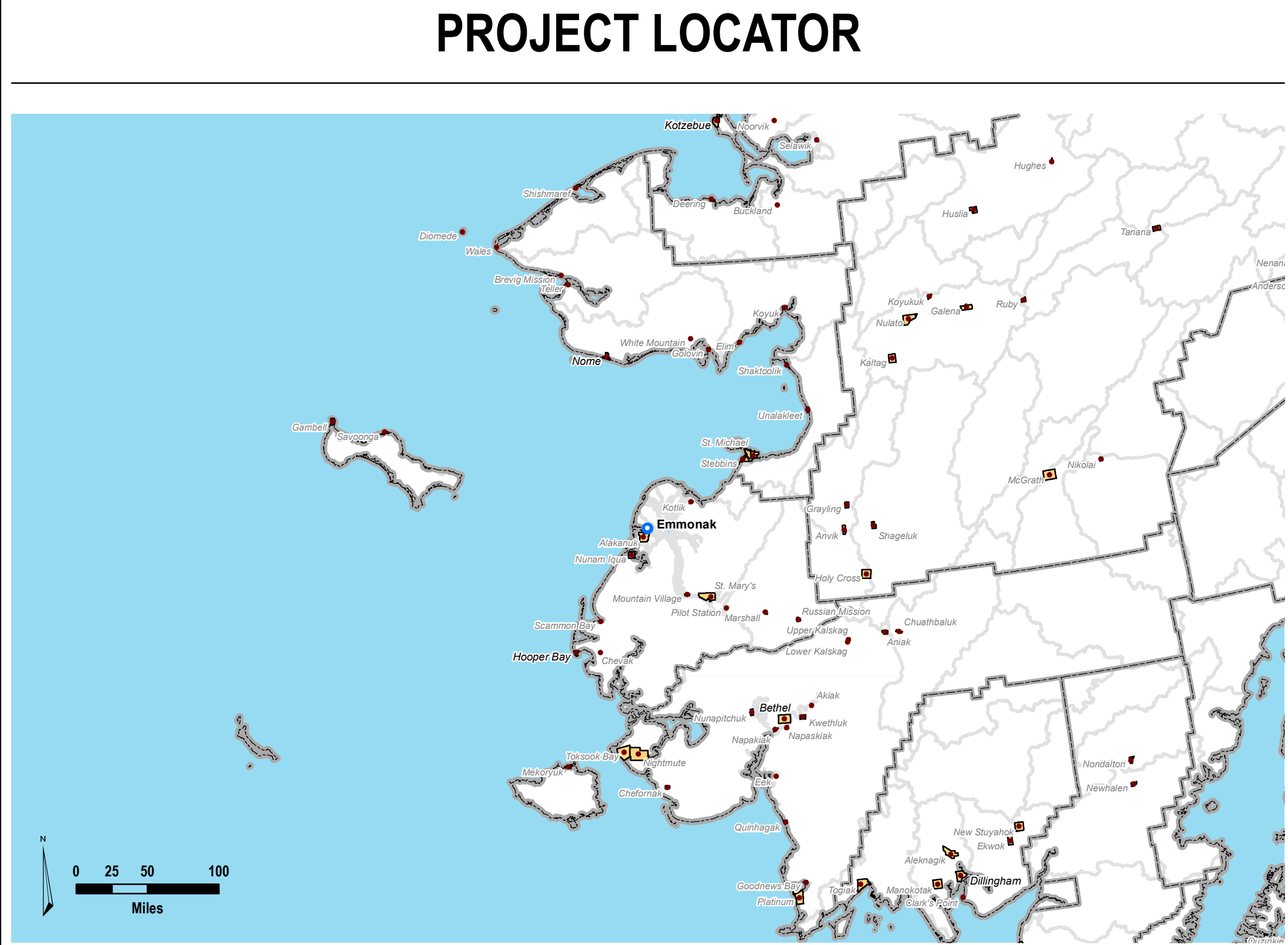
LOCATOR

ABOUT

June 2015

City officials and residents of the City of Emmonak documented, through various maps and observations, property specific concerns that included inadequate drainage, erosion, structural flooding, and land subsidence. In some instances, specific water depths (in inches) were provided at the height of flooding. This dataset includes the block and lot of the property as well as the property owner where available.

Service Layer Credits: Data courtesy of Digital Globe, SPOT/ Airbus, USDA, Alaska DNR, DCCSD, and DOT&F



NATIONAL FLOOD INSURANCE PROGRAM

Discovery Map

CITY OF EMMONAK - 020125

YUKON DELTA WATERSHED

HUC-8 Code
19040805

RiskMAP

Increasing Resilience Together