

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

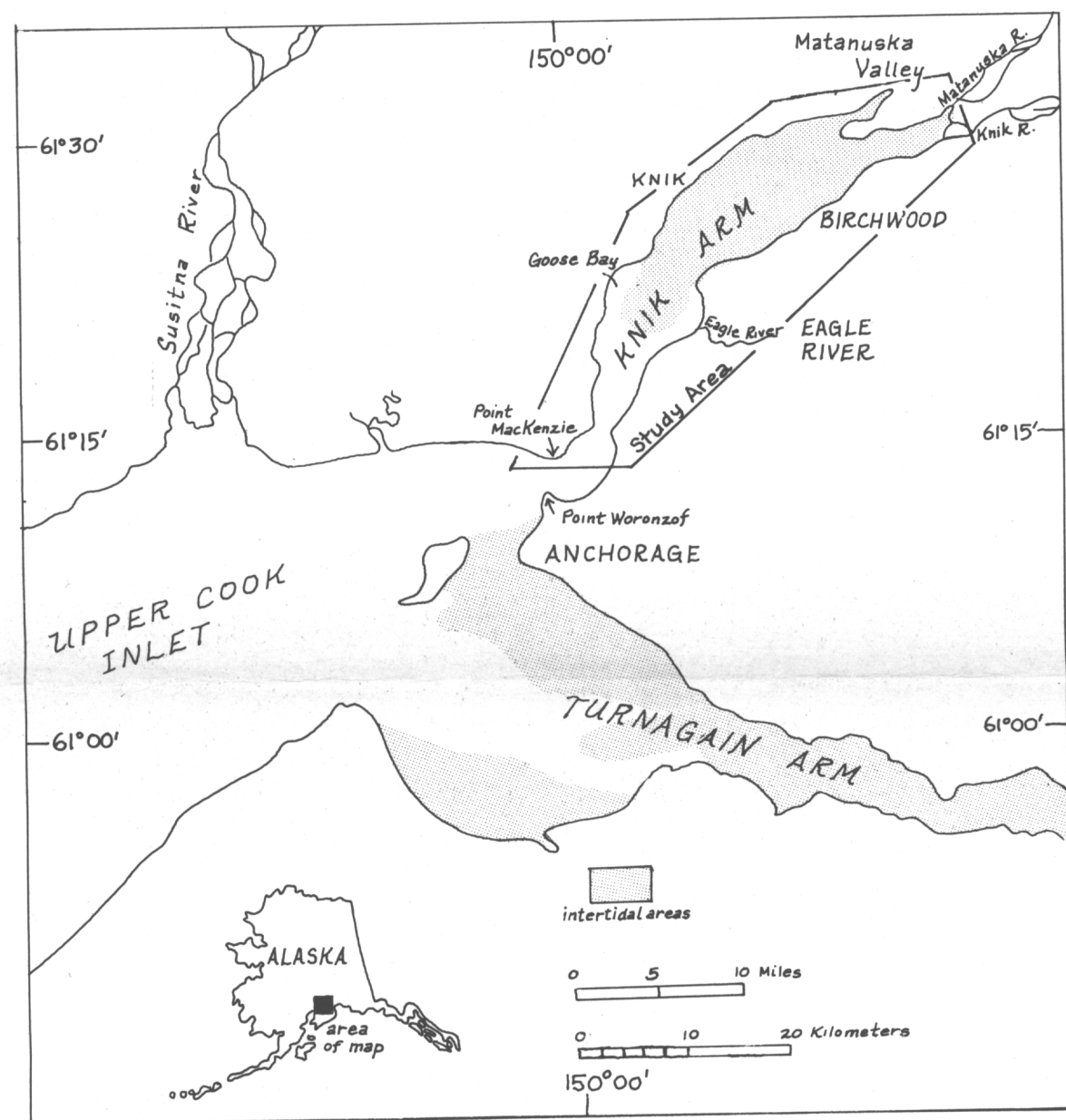


Figure 1. Index map of Upper Cook Inlet showing study area and locations of communities in the Anchorage vicinity, the major population center of Alaska. Knik Arm and Turnagain Arm are situated at the head of Cook Inlet.

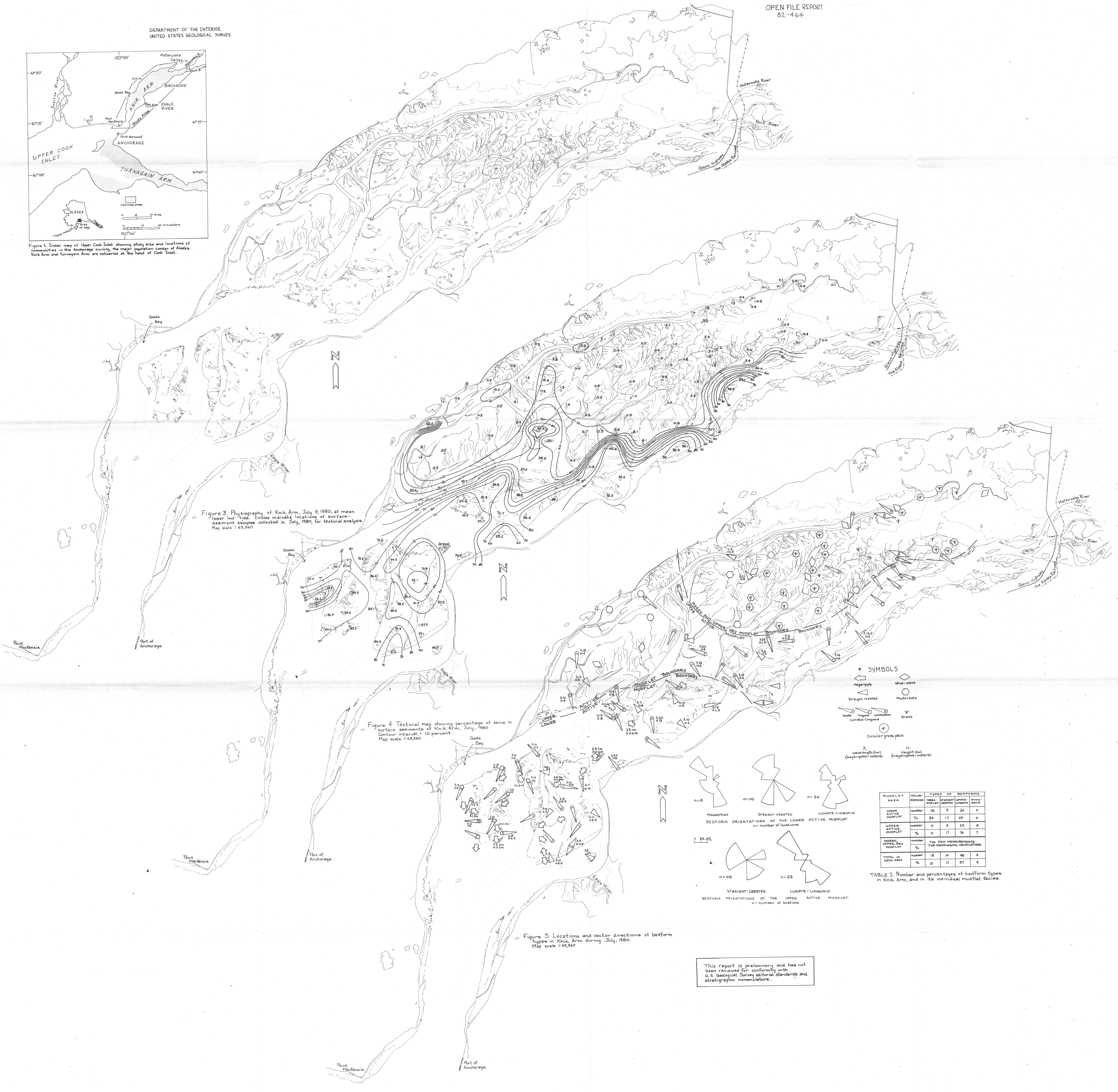
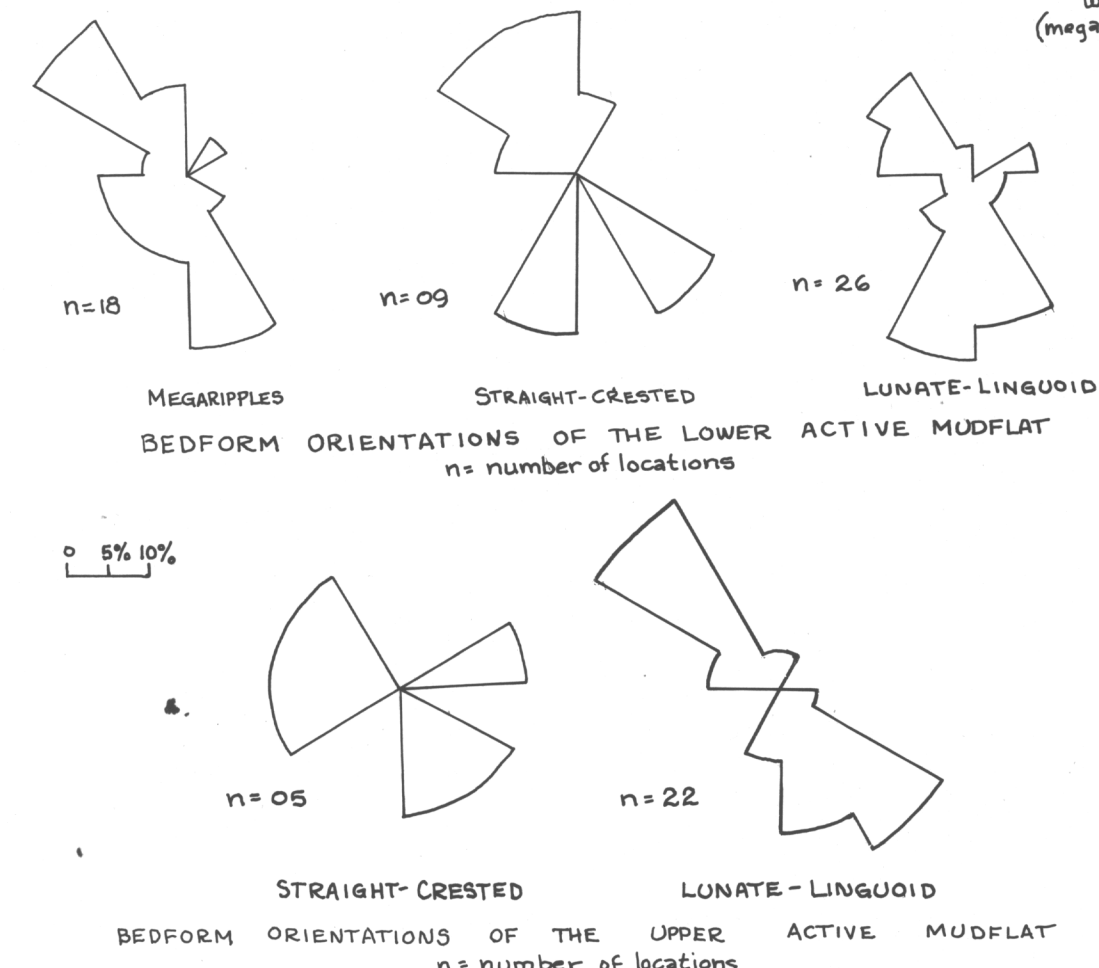
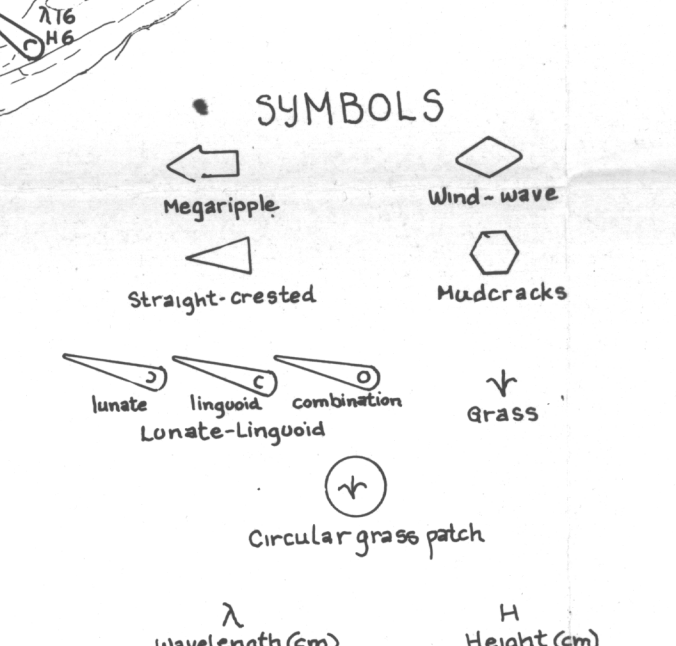


Figure 3. Physiography of Knik Arm, July 9, 1980, at mean "lower low" tide. Surfaces indicate locations of surface-sediment samples collected in July, 1980, for textural analysis. Map scale 1:65,360.

Figure 4. Textural map showing percentage of sand in surface sediments of Knik Arm, July, 1980. Contour interval = 10 percent. Map scale 1:65,360.



MUDFLAT AREA	OCCUR RENCE	TYPES OF BEDFORMS			
		MESSAGERS	STRAIGHT-CRESTED	LUNATE-LINGUOID	WAVE
LOWER ACTIVE MUDFLAT	number	16	9	26	0
	%	34	17	49	0
UPPER ACTIVE MUDFLAT	number	0	9	22	4
	%	0	17	38	7
TOTAL IN KNIK ARM	number	16	18	48	4
	%	21	17	57	5

TABLE 1. Number and percentages of bedform types in Knik Arm, and in its individual mudflat facies.

Figure 5. Locations and vector directions of bedform types in Knik Arm during July, 1980. Map scale 1:65,360.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.