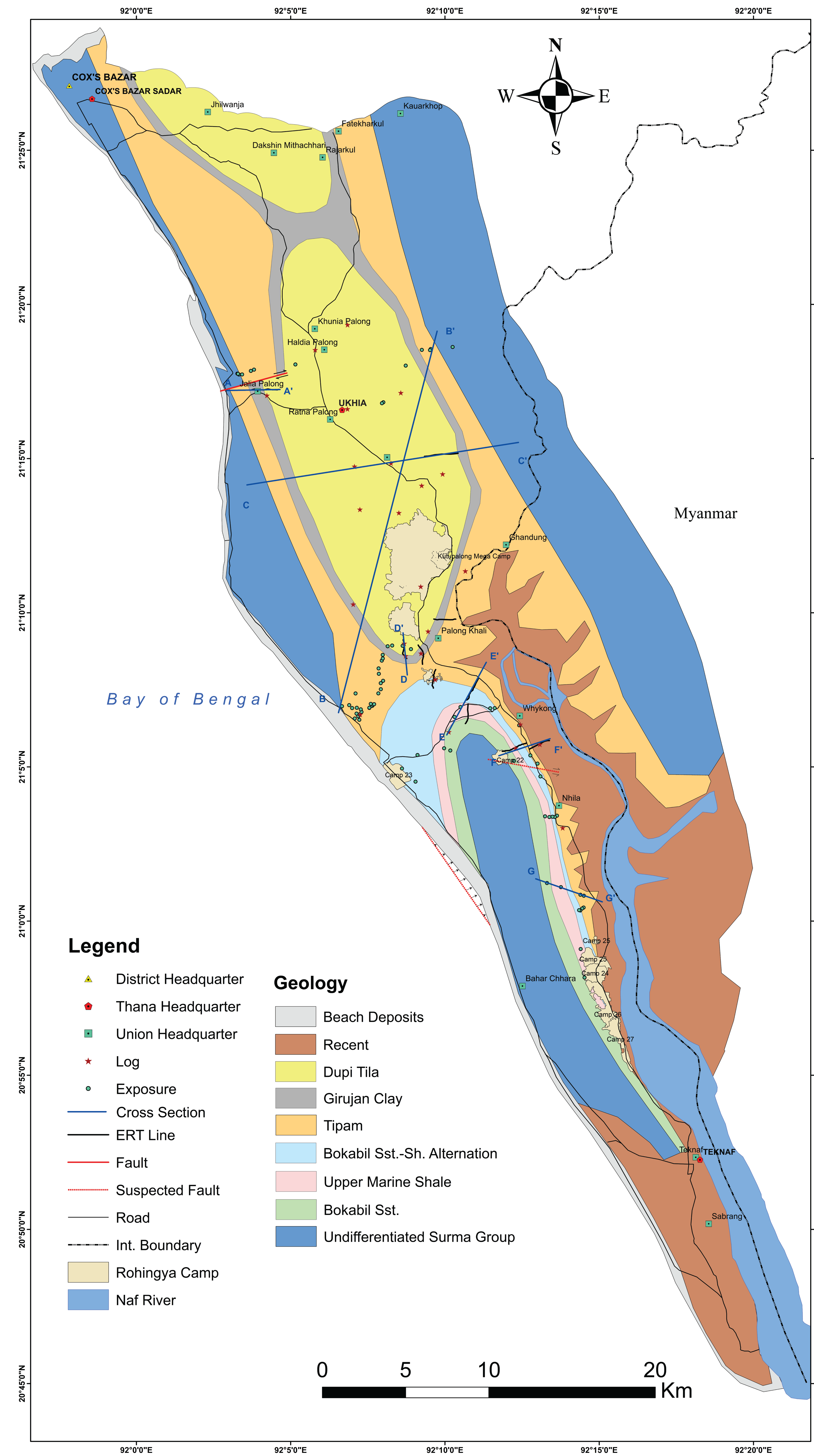


July 2020



SUMMARY DESCRIPTION OF IDENTIFIED UNITS

Formation	Lithological Characteristics	Aquifer Characteristics	Water Potentiality	Thickness
Recent Deposits	Mostly clay.	Aquitard, might act as recharge barrier.	None	<100m
Dupi Tila	Predominantly yellowish grey to pink colored, medium to coarse grained, massive less compact sandstone with minor clay beds. Presence of quartz pebbles and occasionally clay galls.	Highly heterogeneous thick sandstone aquifer containing numerous discontinuous 5-10 m thick clay beds. High transmissivity.	High	? ?
Girujan Clay	Sticky, mottled clay with subordinate sandy clay.	Aquitard.	None	? ?
Tipam	Predominantly yellowish-brown colored, fine to medium grained, massive to bedded, less compact sandstone with minor shale and clay beds. Presence of cross bedding and numerous clay galls.	Heterogeneous, thick sandstone aquifer containing occasional discontinuous clay beds. High transmissivity.	High	1000+
Bokabil	Bokabil Sst.-Sh. Alternation	Thin sand beds constitute the aquifers. Overall transmissivity is low.	Low to moderate	~200
	Upper Marine Shale	Light grey to bluish grey colored, laminated to thinly bedded shale with occasional sandstone.	None to low	~300
	Bokabil Sst.	Yellowish colored, very fine to fine grained, compacted, massive sandstone.	Thick aquifer with very low hydraulic conductivity.	Moderate
Undifferentiated Surma Group	Bluish grey colored, thin to thick bedded, highly fissile shale alternate with thin bedded siltstone and minor sandstone.	Occasional sand beds might act as local aquifer.	None to low	?

