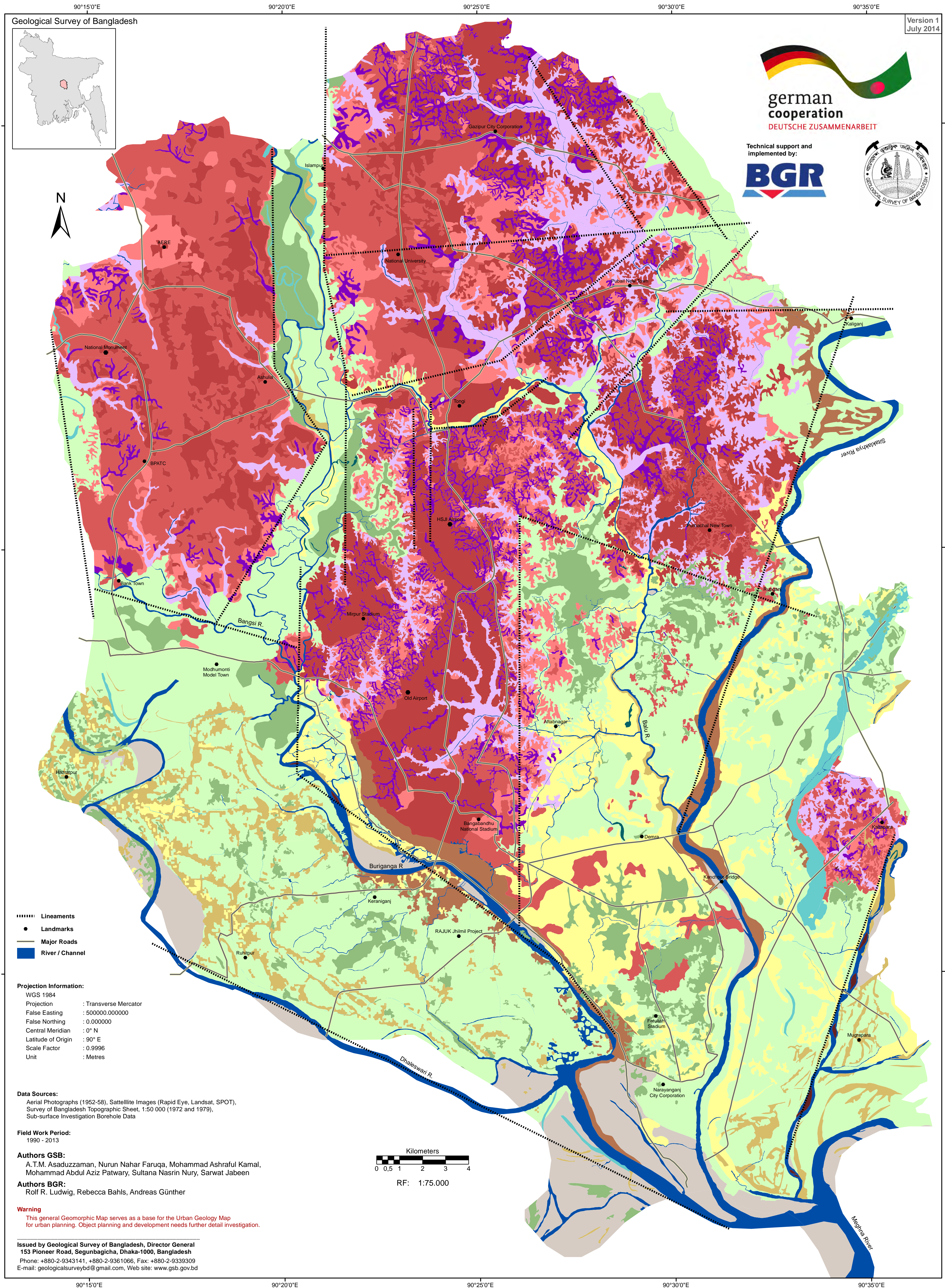


Geomorphologic Map of Greater Dhaka City, Bangladesh



LEGEND

Color code	Unit Name	Landform: Top surface curvature, undulation, dissection, elevation	Active processes	Lithology
	Madhupur Terrace (High)	Flattened and low dissected part of Madhupur terrace, > 6.0m amsl	Splash, rill and gully erosion	Clayey silt/silty clay, consolidated, highly oxidized iron concretions widespread
	Madhupur Terrace (Middle)	Rugged, highly dissected, individual hillocks in floodplain areas, 4.0 - 6.0m amsl	Splash, rill and high gully erosion	Clayey silt/silty clay, consolidated, highly oxidized iron concretions widespread, at places thin top layers of fluvial silt
	Madhupur Terrace (Low)	Flat, situated almost at floodplain level, 2.5 - 4.0m amsl	Splash and rill erosion	Clayey silt/silty clay, consolidated, highly oxidized iron concretions widespread, at places top layers of fluvial silt
	Narrow Valley / Gully	Sharp narrow valley or channel, 2.0 - 7.0m amsl	Fluvial erosion, some sedimentation	Clayey silt, few thin organic layer(s)
	Broad Valley	Elongated, wide valley mainly in Madhupur terrace area, 1.5 - 4.0m amsl	Fluvial sedimentation, some erosion	Clayey silt, few thin organic layer(s)
	High Floodplain	Generally flat, with some terraces, situated above annual flood level, 2.0 - 4.0m amsl	Eventual flood sedimentation, erosion in places	Top layers are alternating silty clay and clayey silt with sand layers
	Low Floodplain	Flat, annually flooded and poorly drained land, 1.5 - 2.5m amsl	Annual flood sedimentation	Silt, clay, fine sand, peaty clay and occasionally layers of peat
	Marshy Land	Deepest part of the floodplain area, mostly remains under water, 1.3 - 2.0m amsl	Sedimentation and accumulation of organic matters	Clay to silty clay, layers of organic clay and peat
	Abandoned Channel	Former river, no water flow due to channel shifting, 1.3 - 2.0m amsl	Sedimentation and accumulation of organic matters	Clay to silty clay, layers of sand, organic clay and peat
	Oxbow Lake	Meander cutoff, crescent-shaped lake, <2.0m amsl	Sedimentation and accumulation of organic matters	Clay to silty clay, layers of sand, organic clay and peat
	Old Natural Levee	Ridge or embankment along present and former paths of major river banks with sharp back slope, higher than surroundings, 4.0 - 6.0m amsl	Splash, rill and gully and river bank erosion	Fine to coarse grained sand, mainly on top of Madhupur Terrace
	Younger Natural Levee	Ridge or embankment along present and former paths of major river banks with sharp back slope, higher than surroundings, 2.5 - 3.5m amsl	Splash, rill, gully and river bank erosion, eventual flood sedimentation	Layers of fine sand and clayey silt
	Pointbar Complex	Series of low arcuate and elongated ridges, 2.0 - 4.0m amsl	Fluvial sedimentation and erosion	Fine to medium grained loose sand
	Channelbar	Elongated ridge parallel to the flow direction, 2.0 - 2.5m amsl	Fluvial sedimentation and erosion	Fine to medium grained loose sand