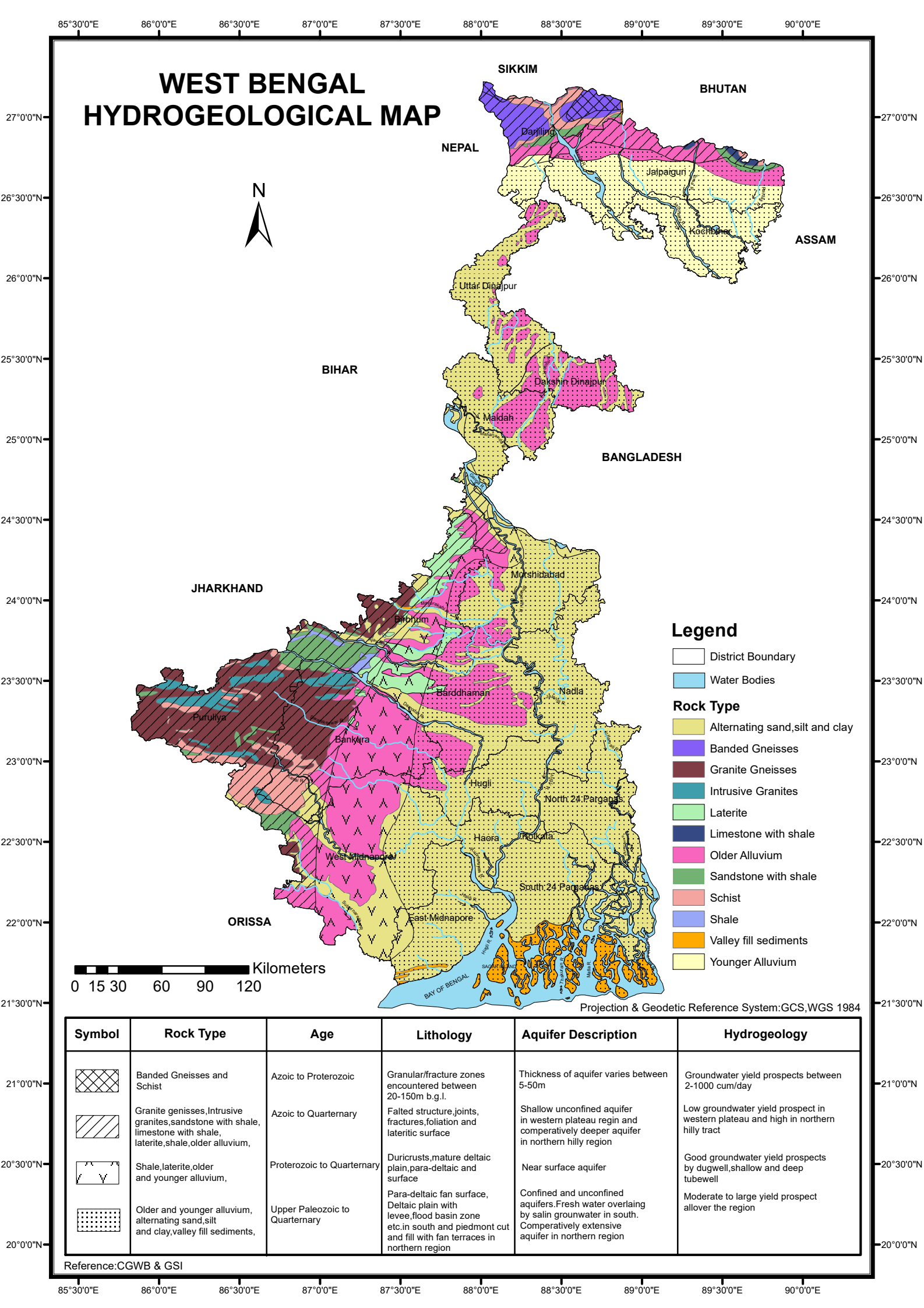
WEST BENGAL HYDROGEOLOGICAL MAP



Projection & Geodetic Reference System:GCS,WGS 1984

Symbol	Rock Type	Age	Lithology	Aquifer Description	Hydrogeology
	Banded Gneisses and Schist	Azoic to Proterozoic	Granular/fracture zones encountered between 20-150m b.g.l.	Thickness of aquifer varies between 5-50m	Groundwater yield prospects between 2-1000 cum/day
	Granite genisses,Intrusive granites,sandstone with shale, limestone with shale, laterite,shale,older alluvium,	Azoic to Quarternary	Falted structure,joints, fractures,foliation and lateritic surface	Shallow unconfined aquifer in western plateau regin and comperatively deeper aquifer in northern hilly region	Low groundwater yield prospect in western plateau and high in northern hilly tract
	Shale,laterite,older and younger alluvium,	Proterozoic to Quarternary	Duricrusts,mature deltaic plain,para-deltaic and surface	Near surface aquifer	Good groundwater yield prospects by dugwell,shallow and deep tubewell
	Older and younger alluvium, alternating sand,silt and clay,valley fill sediments,	Upper Paleozoic to Quarternary	Para-deltaic fan surface, Deltaic plain with levee,flood basin zone etc.in south and piedmont cut and fill with fan terraces in northern region	Confined and unconfined aquifers.Fresh water overlaing by salin grounwater in south. Comperatively extensive aquifer in northern region	Moderate to large yield prospect allover the region

Reference:CGWB & GSI