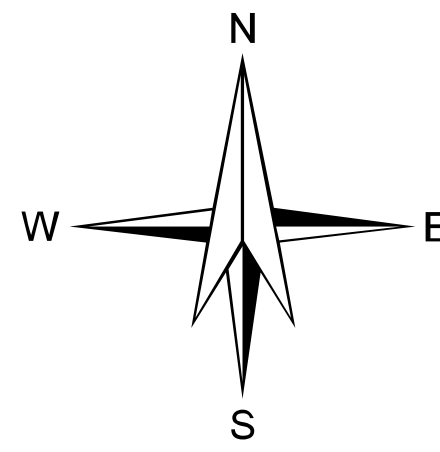
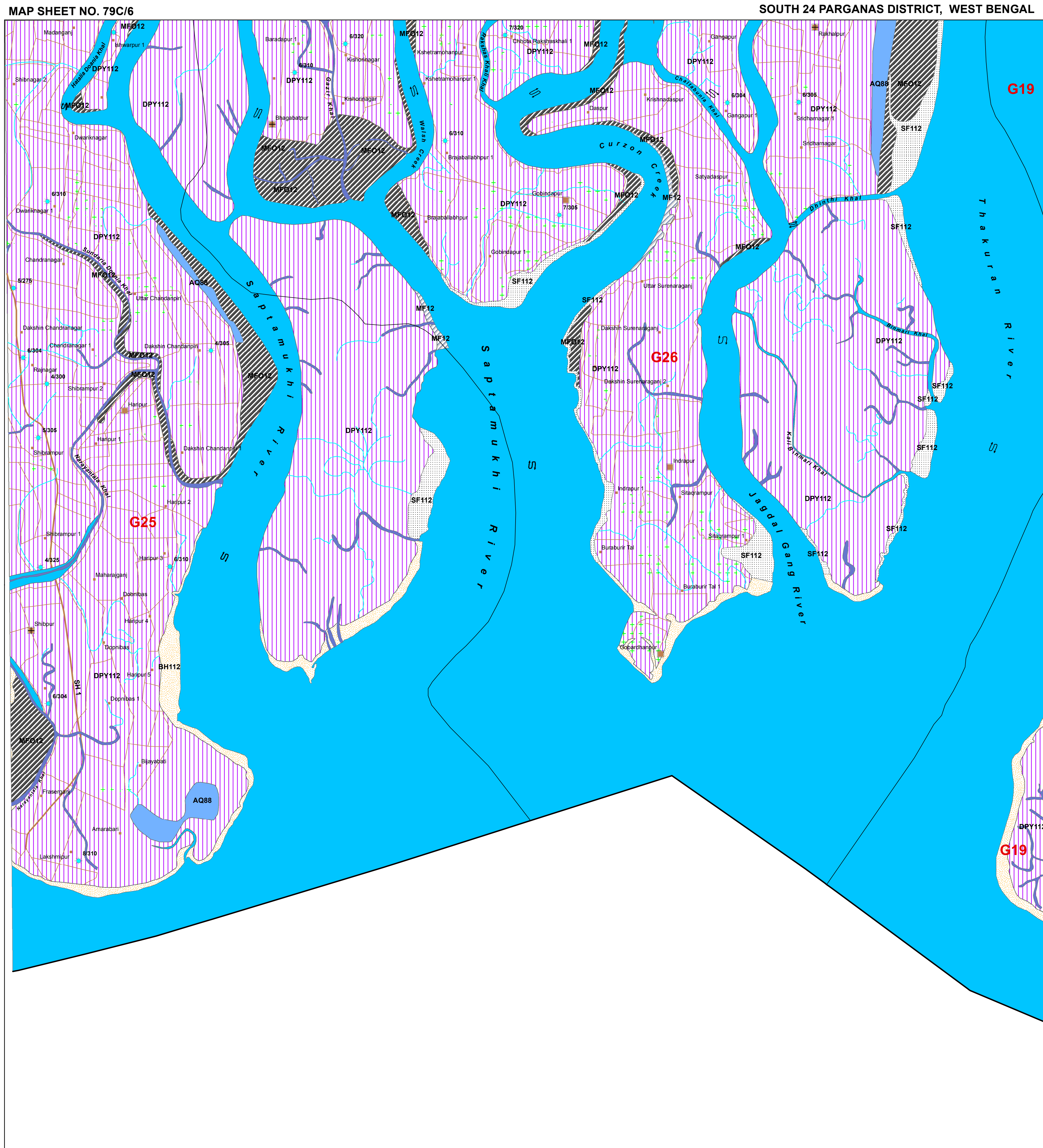


0 1 2 3 4 5 Kilometers

SCALE - 1 : 50,000



GROUND WATER PROSPECTS						RECHARGE STRUCTURES SUITABLE & PRIORITY								
MAP UNIT <small>(HYDROGEO MORPHIC UNIT) REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGES AND HATCHING INDICATE DEPTH RANGE)</small>	GEOLOGICAL SEQUENCE / ROCK TYPE	GEO MORPHIC UNIT / LANDFORM	DEPTH TO WATER LEVEL <small>PRI / POST MONSOON (AVERAGE IN METERS)</small> NO. OF WELLS OBSERVED	RECHARGE CONDITIONS <small>BASIS ON AVAILABILITY OF WATER</small> (RAINFALL & OTHER SOURCES)	AQUIFER MATERIAL <small>LS = LOOSE SEDIMENTS PS = PERMEABLE ROCK FR = FRACTURED ROCK WR = WEATHERED ROCK WM = WEATHERED MATERIAL R = IMPERVIOUS ROCK</small>	TYPE OF WELLS SUITABLE <small>DW = DUG WELL RW = RANG WELL SW = SLOPE WELL TW = TUBE WELL DEW = DUG CUM BORE WELL DTW = DUG CUM TIE WELL</small>	DEPTH RANGE OF WELLS <small>(SUGGESTED)</small> MIN. MAX. (IN METERS)	YIELD RANGE OF WELLS <small>(EXPECTED)</small> (IN LPM OR M ³ /DAY)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS <small>(PROBABILITY)</small> VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER <small>SUITABLE (P) NON POTABLE (NP)</small> (INDICATE REASONS IF NON POTABLE.)	GROUND WATER IRRIGATED AREA <small>(APPROX. RANGE IN PERCENTAGE)</small>	RECHARGE STRUCTURES SUITABLE & PRIORITY <small>FT = FERTILIZATION TANK CD = CHECK DAM ND = NALA DUND RD = RECHARGE DITCH DT = DETENTION OF TANK BS = RECHARGE BASIN ST = STORAGE TANK BD = RECHARGE DRY PIT BT = RECHARGE BUTTE BW = RECHARGE BUILT BL = RECHARGE BLIND BR = RECHARGE BRIDGE BSM = SOIL CONSERVATION MEASURES</small>	REMARKS (PROBLEMS / LIMITATIONS)	
<div><div></div><div>DPY+112</div></div>		Alluvium (Sand and Silt) (112)	7/4 18	Good	LS	TW	>250 m	>800 LPM	High	NP (Salinity at shallow depth)	3	Not required	Areas affected by salinity. Fresh water available at depth ranges >250m	
<div>F ——— F / ——— / ——— ———</div> <p>These are fault / fracture zones, which generally act as conduits for movement of ground water in hard rocks. Along these zones, the yields are significantly higher and wells are likely to be sustainable for longer duration. However, the inferred fractures need to be confirmed by detailed ground surveys.</p> <div><div>D ——— D / Q ——— Q / P ——— P D ——— -D / Q ——— -Q / P ——— -P</div><p>These are dykes, quartz reefs and pegmatite veins, which generally act as barriers for ground water movement.</p><p>Aqua Culture (AQ88), Sand Flat (SF112), Mud Flat Older (MFO12 & Beach (BH112)) are not used for groundwater exploitation.</p><p>N.B.-The depth range and yield range of wells may vary within the unit because of certain inhomogeneities. Fractures/lineaments which are clearly observed / inferred from the satellite image are indicated on the map. There could be some obscured fractures which also influence the ground water prospects. Locations of the recharge structures shown in the map are tentative. This map is useful for narrowing down the target zones,and exact location on the ground for wells and recharge structures should be identified based on follow-up ground hydrogeological/geophysical surveys.</p></div>														

[illegible]