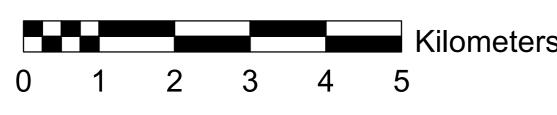
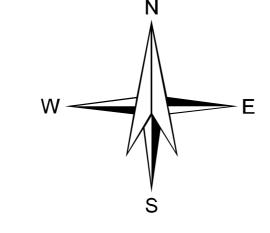
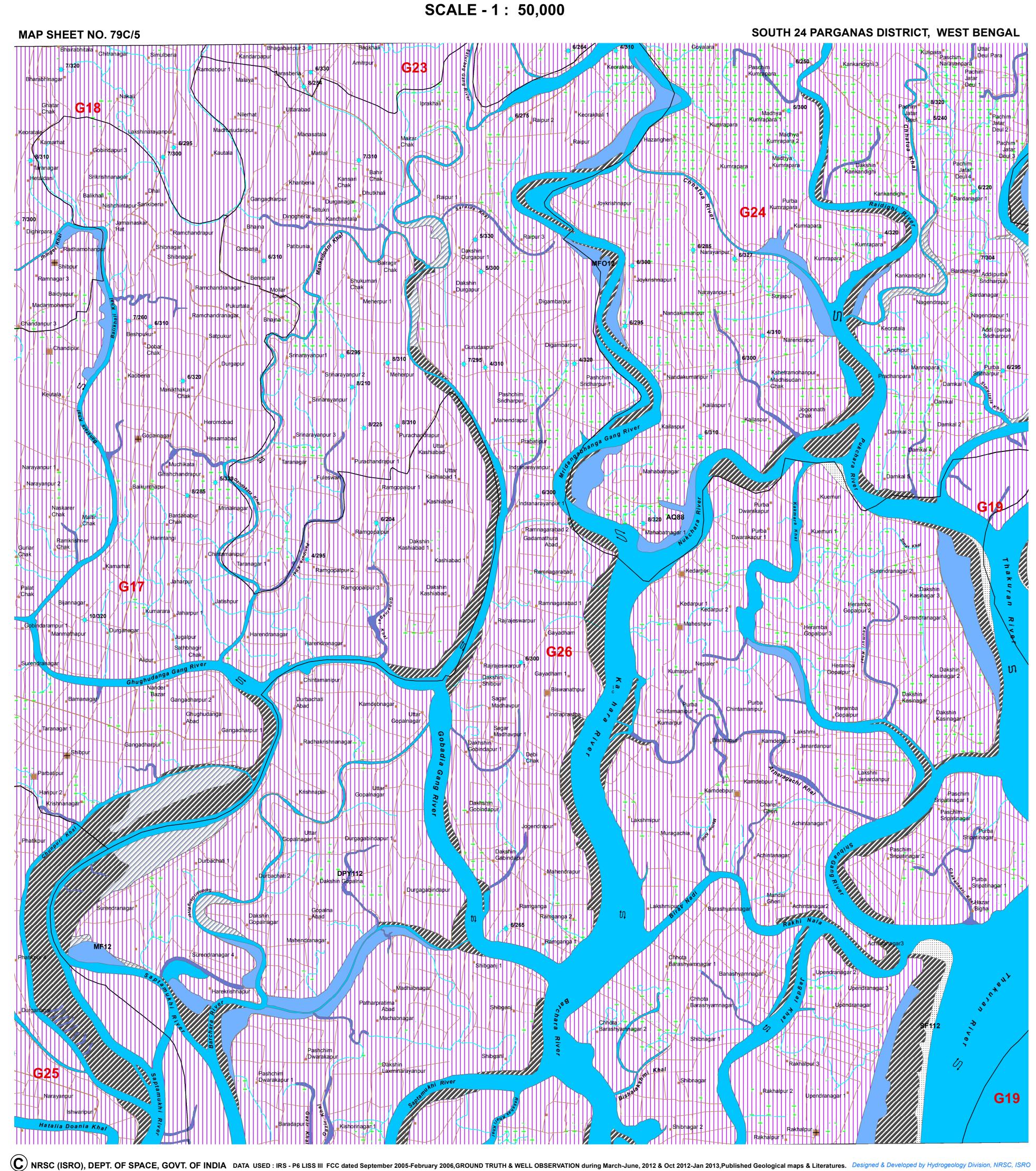
GROUND WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)







LEGEND

MAP UNIT	GEOLOGICAL SEQ ROCK TYP		DEPTH TO WATER LEVEL	RECHARGE CONDITIONS		GROUND WATER PROSPECTS						RECHARGE STRUCTURES		
(HYDROGEOMORPHIC UNIT) REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	(REPRESENTEI THE MAP WIT NUMERIC COD	O IN (REPRESENTED IN H THE MAP WITH	PRE / POST- MONSOON (AVERAGE IN METERS) NO. OF WELLS OBSERVED	BASED ON AVAILABILITY OF WATER (RAINFALL & OTHER SOURCES)	AQUIFER MATERIAL LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL IR = IMPERIVIOUS ROCK	TYPE OF WELLS SUITABLE DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DBW/ = DUG CUM-BORE WELL/ DTW DUG CUM-TUBE WELL	DEPTH RANGE OF WELLS (SUGGESTED) MIN - MAX (IN METERS)	YIELD RANGE OF WELLS (EXPECTED) (in LPM or m ³ / day)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY) VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER POTABLE (P) NON - POTABLE (NP) (INDICATE REASONS IF NON POTABLE)	GROUND WATER IRRIGATED AREA (APPROX. RANGE IN PERCENTAGE)	SUITABLE & PRIORITY PT = PERCOLATION TANK CD = CHECK DAM NB = NALA BUND RW = RECHARGE WELL DT = DESILITING OF TANK RP = RECHARGE PIT SD = SUBSURFACE DYKE RS = RECHARGE SHAFT ST = STORAGE TANK SCM = SOIL CONSERVATION MEASURES	REMARKS (PROBLEMS / LIMITATIONS)	
DPY112	Active Estuarine Deposits (Present Day) Solution (Present Day) Active Estuarine Deposits	Silt) Deltaic Plain Younge	8/5 51	Good	LS	TW	>250 m	>800 LPM	High	NP (Salinity at shallow depth)	9	Not required	Areas affected by salinity.Fresh wat available at depth ranges >250m	
FF// —		hese are fault / fracture zones, which g	nenerally act as conduits for m	novement of ground water in	n hard rocks. Along these zone	es, the yields are significantl	y higher and wells are	e likely to be sustaina	ble for longer duration	n. However, the inferred	I fractures need to be o	confirmed by detailed ground survey	s.	
D /Q Q / P P P These are dykes, quartz reefs and pegmatite veins, which generally act as barriers for ground water movement.								Aquaculture (AQ88), Sand Flat (SF112), Mud Flat (MF12) & Mud Flat Older (MFO12) are notused for groundwater extraction.						

