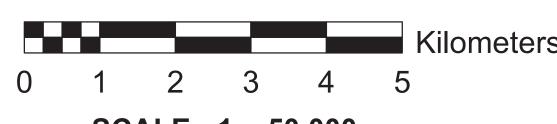
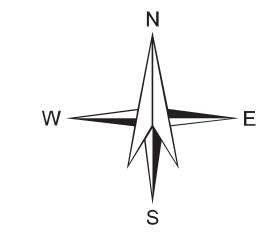
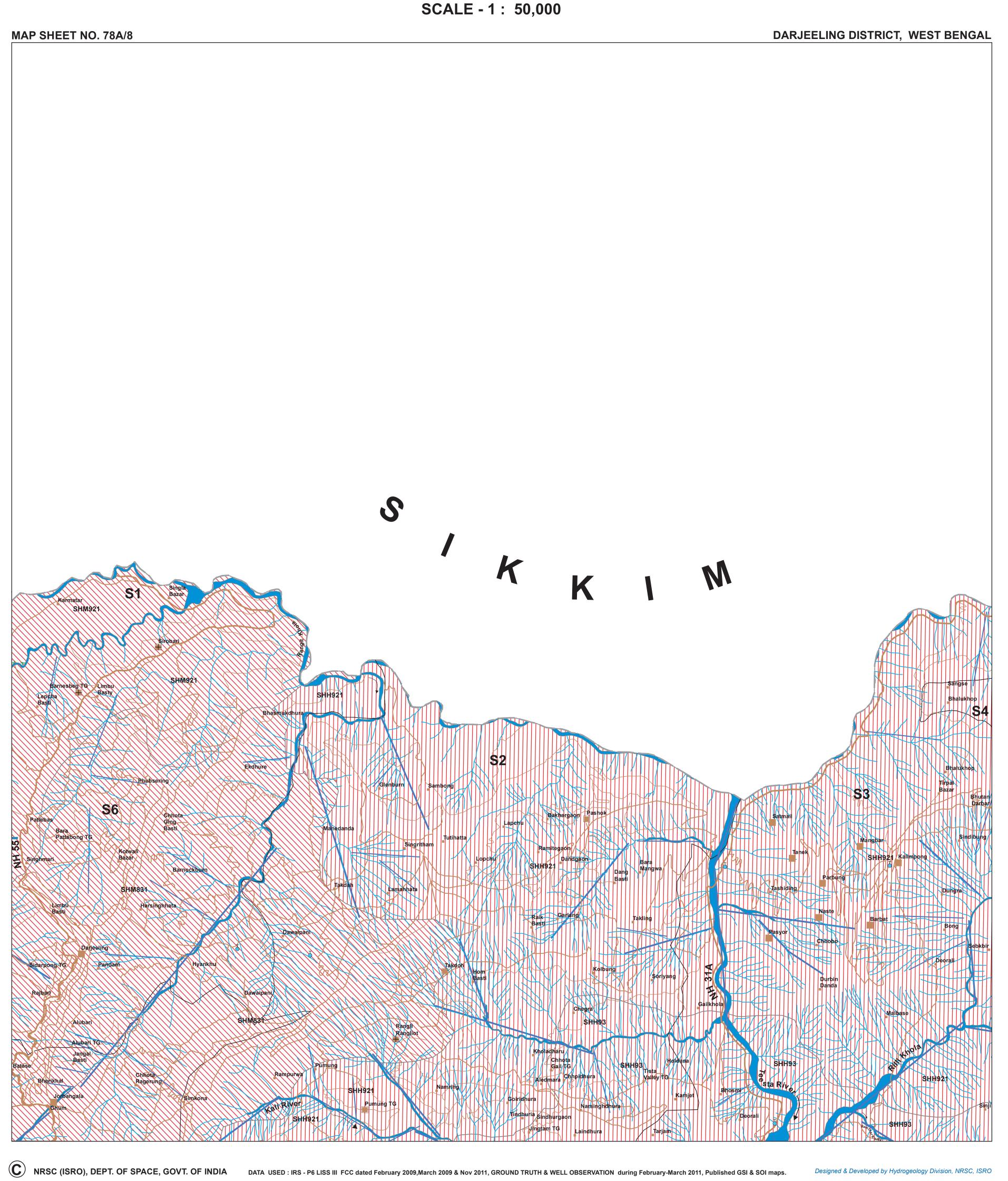
DRINKING WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)







LEGEND

L E G E N D													
MAP UNIT (HYDROGEOMORPHIC UNIT) REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE	GEOLOGICAL SEQUENCE / ROCK TYPE (REPRESENTED IN THE MAP WITH NUMERIC CODE)	GEOMORPHIC UNIT / LANDFORM (REPRESENTED IN THE MAP WITH ALPHABETIC CODE)	DEPTH TO WATER LEVEL PRE / POST- MONSOON (AVERAGE IN METERS) NO. OF WELLS OBSERVED	RECHARGE CONDITIONS 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	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 m³/day)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY) VERY HIGH HIGH MODERATE	QUALITY OF WATER POTABLE (P) NON - POTABLE (NP) (INDICATE REASONS IF NON POTABLE)	GROUND WATER IRRIGATED AREA (APPROX. RANGE IN PERCENTAGE)	RECHARGE STRUCTURES SUITABLE & PRIORITY PT = PERCOLATION TANK CD = CHECK DAM NB = NALA BUND RW = RECHARGE WELL DT = DESILTING OF TANK RP = RECHARGE PIT SD = SUBSURFACE DYKE RS = RECHARGE SHAFT ST = STORAGE TANK	REMARKS (PROBLEMS / LIMITATIONS)
SHH93	Daling Group (Reyang Formation) (Proterozoic) (Broterozoic) (Broterozoic) (Proterozoic) (Proterozoic) (Proterozoic) (Proterozoic)	Structural Hill Highly Dissected (SHH)			IR = IMPERIVIOUS ROCK				LOW			SCM = SOIL CONSERVATION MEASURES	
SHM921	bathan Formation) rozoic) schist (921)	Structural Hill Moderately Dissected (SHM)	E L	ssentially r imited pros	un-offzone. pects within	Drinking v Intermonta	vater sou ne Valley	rces prim ⁄s.	narily fro	om spring	s and rive	er/stream water.	
SHH921	Daling Group (Gorub	Structural Hill Highly Dissected (SHH)											
SHM831	Central Crystalline Gnessic Complex (831) Complex (831) Complex (831)	Structural Hill Moderately Dissected (SHM)											
FF//	These are fau						y higher and wells are	likely to be sustainab	ole for longer duratio	n. However, the inferred	I fractures need to be c	confirmed by detailed ground surveys.	
D———D/Q——Q/	DD /QQ / PP D These are dykes, quartz reefs and pegmatite veins, which generally act as barriers for ground water movement.												
	N.BThe depth range and yield Locations of the	range of wells may vary recharge structures show	within the unit because of wn in the map are tentativ	certain inhomogeneities e. This map is useful for	s. Fractures/Lineaments wh narrowing down the target	ich are clearly observed zones,and exact locatio	/inferred from the s n on the ground for t	satellite image are in wells and recharge	ndicated on the ma structures should	ap. There could be so be identified based	ome obscured fractu on follow-up ground	ures which also influence the grour d hydrogeological/geophysical surv	d water prospects. eys.

