

TABLE No. 1: QUATERNARY EVENTS AND SEDIMENTATION IN NARMADA VALLEY

Age	Climatic events	Geomorphic events (khan e1.a1.1992)	Weathering events	sedimentary events after Tiwari 2001	Tepra Events Khan et.al 1991	Palaeo - Magnetic events Y.Rao et. al 1997	Tectonic events	Sedimentary events sedimentation after khan et.al 1992
4 ka Late Holocene	On set of aridity	Inset terrace formation (NT ₀)	-----	Ramnagar formation Boaras formation	-----	-----		Amber/Indrakdar/Am ba Janswasa formation unicycle
6Ka-13ka, Middle to Early Holocene	Good Monsoon	15m to 30m of entrancing of river (NT ₁)	IV Vertisol	Boaras formation	-----	-----		Hoshangabad Formation polycycle
13ka to 25ka, late upper Pleistocene	Arid	5 to 10m of entrancing of river of flood plain(NT _{2A})	V -----	Hirdepur Formation	Reworked Tepra	Brunhes normal polarity		Shahganj Formation
	Humid	Aggradations Degradation of Flood Plain continued		Brown soil	-----	-----		Polycycle
75ka	-----	-----		-----	Tepra	Brunhes Normal polarity		Polycycle
75ka to 118 ka early upper Pleistocene	Arid	Aggradations Degradation (NT _{2B})	IV -----	Baneta Formation	NA _B -II	Brunhes Normal polarity		Demarwar Formation
							Rejuvenation of south Satpura fault purna Tapti Valley	
			Yellow Clayey Soil	-----	-----	Brunhes Normal polarity		Polycycle
	Arid	Agradation & Degradation (NT _{2C})	III	Surajkhund Formation	-----	Brunhes Normal polarity		Shivpur Formation
	-----	-----	Red Soil	-----	-----	Matuyama Reverse polarity		
							Formation of structural basin in the purna valley	Polycycle
	Arid	Agradation & Degradation (NT _{3A})	II -----	Dhansi Formation	----	Matuyama Reverse polarity		Nasrullahganj Formation
							Formation of structural basin in the Central Narmada valley	Polycycle
Middle Pleistocene	Humid	Agradation & Degradation (NT ₃)	Laterite/latosol	Pilikarar formation	-----	-----	-----	Sohagpur Formation
	warm/cold	Agradation & Degradation of Glacial front		Hathmora formation (conglomerate)	NA _B -I	structural basin in Narmada		Boulder Conglomerate
Lower Pleistocene	warm/cold	Agradation Degradation by Glacial		Boulder conglomerate (Base not exposed)		structural basin in Narmada		Boulder Bed

