

LIST OF PLATES

Plate No.	Description	Page No
3.1	Satellite view showing the distinct features of three geoenvironmental units	69
3.2	Satellite view of the northern extension of Banaskantha showing terrain characters	70
4.1	Satellite view of the Eastern Rocky Highland	77
4.2	Panormic view of Jasor mountains north as seen from Hadmatia village	78
4.3 a	A view of Gabbar hill Ambaji-Balaram road in the foreground	79
4.3 b	Hilly terrain of Arasur mountain near Ambaji	79
4.4	A view of piedmont zone; aeo-fluvial deposits in the foreground. (Loc. Mumnvas on Palanpur-Danta Road)	82
4.5	Panaramic view of piedmont zone dotted with granitic hills (Loc. near Andharia, on Palanpur-Danta road)	82
4.6	Barren granitic hills of Eastern Rocky Highland. (Loc. Mumanvas on Danta-Palanpur road)	84
4.7	Quartzite ridge along Kui-Chitrasani Fault (NE-SW) as seen from Malana on Palanpur-Chitrasani road. Aeolian sand in the foreground	84
4.8 a	A granite hill showing typical tor weathering (Loc. near Bhakhal)	85
4.8 b	Granite showing dome topography (Loc. near Vagrol)	85
4.9	Panoramic view of piedmont topography between Merwada and Mumanvas	90
4.10	A downstream view of Sipu dam (Loc. near Atal village)	90
5.1	A Satellite view of the Central Alluvial Plain	107
5.2	An aerial view of the dunal topography in CAP as viewed from Sandhal overhead tank on Deesa-Tharad road.	111
5.3	Broad sandy bed of Banas and cliff section of older alluvium.	111

	(Loc. near Deesa).	
5.4	Cliff section (10 m) of Banas through older alluvium (Loc. near Deesa).	114
5.5	A river section of Banas through older alluvium near Deesa. Recent sand in the foreground .	116
5.6	River Banas showing broad shallow sandy bed (Loc. near Bodal)	116
6.1	Satellite view of the Western Saline Wasteland	132
6.2	A view of dry saltwaste of WSW near Dhudhva village	133
6.3	Panoramic view of the WSW as seen from overhead tank of Shergunj	133
6.4 a	An aerial view of the barren saline wasteland near Shergadh	135
6.4 b	A view of WSW unit with thin sand covered sparse xerophytic vegetation (Loc. village Kotarwada)	135
6.5 a	Thick sands in Banas bed as seen in foundation excavation for underground checkdam near Badarpura village	138
6.5 b	Section of Banas river showing sand thickness above clayey 138 substratum near Badarpura	138
6.6	Low lying land of salty bed covered under stagnant rainwater near Varahi village	146
6.7	A section of Wagad Sandstone in Chorar hill near Charnka village	146
7.1	A view of Scott Canal (Loc. near village Bhilot).	171
8.1	Irrigated fields from groundwater in Unconfined auifers in Piedmont zone near village Atal	177
8.2	A view of piezometer nest at Santalpur	204