

## LIST OF FIGURES

		Page Number
Fig. 1	Location Map	3-4
Fig. 1.1	Geological Map	7-8
Fig. 1.2	Contour Map	9-10
Fig. 1.3	Drainage Network	10-11
Fig. 1.4	Rainfall Zones	12-13
Fig. 1.5	Temperature Zones	13-14
Fig. 1.6	Soil Zones	14-15
Fig. 1.7	Vegetation Map	16-17
Fig. 2.1	Slope Zone Map	23-24
Fig. 2.2	Relative Relief Map	25-26
Fig. 2.3	Drainage Density Map	27-28
Fig. 2.4	Geomorphological Map	28-29
Fig. 2.5	Geomorphological Regions	31-32
Fig. 2.6	Third Order Basins	34-35
Fig. 2.7	Frequency Distribution	35-36
Fig. 2.8	Log Normal Properties	37-38
Fig. 2.9	Regional Comparisons	40-41
Fig. 2.10	Linear Regression Analysis	43-44
Fig. 2.11	Groups of Intercorrelated Variables	44
Fig. 3.1	Change of Land-Use in Kurseong Sub-Division	52
Fig. 3.2	Spatial Distribution of Land-Use Changes in Kurseong Sub-Division	57-58
Fig. 3.3a	Trend of Population Growth in Kurseong Sub-Division	58
Fig. 3.3b	Population Density Map of Kurseong Sub-Division	58-59
Fig. 3.4	Present Land-Use	59
Fig. 4.1	Rain Erosivity Classes ( Iso-erodent Map)	73-74
Fig. 4.2	Soil Erodibility Nomograph	75-76
Fig. 4.3	Soil Erodibility Map	75-76
Fig. 4.4	Topographic Erosivity Map	76-77
Fig. 4.5	Biological Erosivity Map	77-78
Fig. 4.6	Potential Erosivity Map	79-80
Fig. 4.7	Predicted Soil Erosion	80-81
Fig. 4.8	Proposed Soil Conservation Plan	83-84
Fig. 5.1	Occurrence of Landslide	91-92
Fig. 5.2	Landslide Prone Zone Map	93-94
Fig. 5.3	Contour Plan & Rock Elements of St. Mary's Landslide	99-100
Fig. 5.4	Geomorphological Map of St. Mary's Landslide	99-100

Fig. 5.5	Cross Section Area of St. Mary's Landslide	100-101
Fig. 5.6	Nature of Joints of Rocks at St. Mary's Landslide	100-101
Fig. 5.7	Contour Plan of Bhanjan Landslide	105-106
Fig. 5.8	Geomorphological Map of Bhanjan Landslide	105-106
Fig. 5.9	Man Induced Bhanjan Landslide	106-107
Fig. 5.10	Kalimati Landslide	109-110
Fig. 6.1	Relationship Between Mean Annual Precipitation and Run-Off	118
Fig. 6.2	Relationship Between Precipitation of Monsoon Months and Run-Off	119
Fig. 6.3	Run-Off Zone Map (Monsoon) of Kurseong Sub-Division	121-122
Fig. 6.4	Mean Annual Run-Off Zones	123-124
Fig. 7.1	Environmental Impact Magnitude Map	131-132
Fig. 7.2	Environmental Impact Significance Map	133-134
Fig. 7.3	Location Map of Dhupi Plantations and Natural Forest	134-135
Fig. 7.4	Frequency Class Diagram	136
Fig. 7.5	Mirik Landslide: Diagrammatic Representation	138-139
Fig. 7.6	Mirik Landslide: Contour Plan	138-139
Fig. 7.7	Mirik Landslide: Geomorphological Set-Up	138-139