

LIST OF FIGURES

<u>FIGURE</u>	<u>PAGE</u>
1.1 Location map	5
1.2 Drainage map	8
2.1 The General Subdivisions in the Himalayas	16
2.2 Section through the Simla Himalaya (Pilgrim and West)	23
2.3 Section through the Krol Belt (Auden)	29
2.4 Tectonic section across the Garhwal Himalaya (Auden)	31
3.1 Section across Kumaon Himalaya (Gansser)	48
3.2 General sketch map compiled from the works of N.M. Vashi, J.P. Patel, O.K.Shah, C.P.Shah, D. Pal and S.G. Patel	At the back of the thesis
4.1 Geological map of Bhimtal area	
5.1 Structural map of the Bhimtal area	82
5.2 Sketch of sample showing fold	87
6.1 Geological map showing the distribution of chemically analysed samples	146
6.2 Variation diagram based on Si vs other Cations	160
6.3 Triangular variation diagrams	161
6.4 Variation diagram based on $\frac{\text{SiO}_2}{\text{K}_2\text{O}/\text{Na}_2\text{O}}$	162
6.5 Variation diagram based on Niggli values	163
6.6 Simonen's diagram	164
6.7 Kuno's diagram	165