LIST OF TABLES

No.	Table	Page No.
1.1	Details of rivers draining in the Bharuch district	17
2.1	A summary of studies of land use land cover changes at global level	34
2.2	A summary of studies of land use land cover changes at national level	42
3.1	Comparison of different classification systems for coastal vegetation	54
3.2	Characteristics of vegetation type as per Rao and Sastry (1974a)	55
4.1	Characteristics of different satellite data used in present study	70
4.2	Details of satellite images used in present study	71
4.3	Details of field visits carried out in present study	89
5.1	Area covered by various land use land cover categories demarcated from topographic sheets of Jambusar	98
5.2	Distribution of major land use land cover categories of Jambusar taluka across different years	98
5.3	Accuracy statistics for Jambusar taluka	107
5.4	Change in mangrove of Jambusar	114
5.5	Change in industrial area of Jambusar	114
5.6	Area covered by various land use land cover categories demarcated from topographic sheets of Vagra	116
5.7	Distribution of major land use land cover categories of Vagra taluka across different years	117
5.8	Area of various land use land cover categories demarcated from the satellite image of Cartosat-1	117
5.9	Variation in areal extent of various industries in Vagra taluka	129
5.10	Accuracy statistics for Vagra	131
5.11	Change in mangroves of Vagra	137
5.12	Change in industrial area of Vagra	137
5.12	Area covered by various land use land cover categories demarcated from topographic sheets of Hansot	139
5.14	Distribution of major land use land cover categories of Hansot talukas across different years	146
5.15	Accuracy statistics for Hansot	150
5.16	Change in mangroves of Hansot	156
5.17	Change in industrial area of Hansot	156
5.18	Area of various land use land cover categories demarcated from topographic sheets of Aliabet	158
5.19	Distribution of major land use land cover categories of Aliabet across different years	159
5.20	Accuracy statistics for Aliabet	170
5.21	Change in mangrove of Aliabet	175
5.22	Change in industrial area of Aliabet	175
5.23	Correlation matrix for coastal wetland categories for three coastal talukas	178
5.24	Correlation matrix for coastal wetland categories of Aliabet	178

No.	Table	Page No.
5.25	Correlation matrix for different land categories for three coastal talukas	181
5.26	List of vegetation observed in the present study	192
5.27	Sorenson similarity index matrix for coastal talukas of Bharuch district	206
5.28	Details of transects along the coast of Bharuch district	207
5.29	Different variables calculated for study area	209
5.30	Absolute and relative frequency and density values for Jambusar taluka	209
5.31	Correlation matrix for different variable	210
5.32	Details of textural classes for various samples	215
5.33	Interpretation of histogram type for sediments of various samples	219
5.34	Results of various grain size parameters	224
5.35	Values of different parameters and their verbal terms	225
5.36	Range of clay, silt and sand in vegetated and unvegetated mudflat area	232