

TABLE OF CONTENTS

LIST OF TABLES	vi
LIST OF ILLUSTRATIONS	vii
ACKNOWLEDGMENTS	ix
PREFACE	xi
PART ONE: THE NATURE OF SAHELIAN ENVIRONMENTAL SYSTEMS	1
1. Climate	5
2. Structure and Related Hydrology	11
3. The Edaphic Factor	19
4. Soil-Plant Relationships	27
5. Vegetation and Macrofauna	31
PART TWO: THE IMPACT OF HUMAN ACTIVITY UPON SAHELIAN ECOSYSTEMS	39
6. The Prehistoric Period	43
7. The Historical Period	51
PART THREE: AN APPROACH TO THE REHABILITATION OF SAHELIAN ECOSYSTEMS	85
8. Resource Assessment	87
9. Measures Contributing to Environmental Rehabilitation	93
10. Summary and Conclusions	107
APPENDICES	113
A. Representative List of Sahelian Avifauna	115
B. Climatic Distribution of Browse Species in the Sahelian Zone	125
C. Shelter-Belt Establishment in the Sahel	129
D. Tree and Shrub Species for Sahelian Agroforestry Systems	135
BIBLIOGRAPHY	143
INDEX	165