

# CONTENTS

1	Introduction	1
PART I. <u>Chemical weathering processes</u>		
2	Hydrological pathways and granite weathering on Dartmoor	5
3	Limestone solution on exposed rock outcrops in West Malaysia	31
4	Influence of contrasted rock types and geological structure on solutinal processes in north-west Yorkshire	51
PART II. <u>Hydrophysical processes</u>		
5	Runoff processes in tropical rainforests with special reference to a study in north-east Australia	73
6	Erosion processes in small forested catchments in Luxembourg	93
7	Relationships between plasticity, natural moisture conditions and surface stability of some slope soils near Helmsley, North Yorkshire	109
8	The use of differing scales to identify factors controlling denudation rates	127
9	Water levels in peatlands and some implications for runoff and erosional processes	149
10	Underground contributions to surface flow, as estimated by water temperature variability	163
PART III. <u>Channel sediments and morphology</u>		
11	Drainage-net control of sedimentary parameters in sand-bed ephemeral streams	173
12	The analysis of pebbles on the bed of the Upper Wharfe, Yorkshire	203
13	The morphological relationships of bends in confined stream channels in upland Britain	215
14	The overall shape of longitudinal profiles of streams	241
15	Conclusions	261