GEOLOGY

ARZONA

Second Edition

ORIGINAL ON FILE
WESTLAND RESOURCES,
INC.
LIBRARY

Dale Nations

Edmund Stump

Contents

Preface Acknowledgments	ix xi
Part I Earth Materials, Processes and Geologic Principles	
1 Rocks and Minerals	3
2 Weathering and Erosion	13
3 Stratigraphic Principles	19
4 Geologic Time	33
5 Sediments and Sedimentary Rocks	41
6 Igneous and Metamorphic Rocks	67
7 Tectonics	77
8 Landforms	93
Part II Geologic History of Arizona	
9 The Proterozoic Eon	113
10 The Paleozoic Era	123
11 The Mesozoic Era	143
12 Mesozoic to Cenozoic Tectonics and Cenozoic Rocks	159
Part III Topics of Special Interest	
13 Volcanism in Arizona	181
14 Meteor Crater	203
15 Economic Geology	213
16 Environmental Geology	237
Index	247