

This is a special adaptation of an established title widely used by colleges and universities throughout the world. Pearson published this exclusive edition only for the benefit of students outside the United States and Canada. If you purchased this book within the United States or Canada you should be aware that it has been imported without the approval or permission of the Publisher or the Author.



ISBN 978-1-29202-128-7



9 781292 021287 >



## **Origin and Transport of Sedimentary Materials**

Sam Boggs Jr.

**1**

### **1. Weathering and Soils**

Sam Boggs Jr.

**3**

### **2. Transport and Deposition of Siliciclastic Sediment**

Sam Boggs Jr.

**19**

### **Physical Properties of Sedimentary Rocks**

Sam Boggs Jr.

**43**

### **3. Sedimentary Textures**

Sam Boggs Jr.

**45**

### **4. Sedimentary Structures**

Sam Boggs Jr.

**65**

### **Composition, Classification, and Diagenesis of Sedimentary Rocks**

Sam Boggs Jr.

**99**

### **5. Siliciclastic Sedimentary Rocks**

Sam Boggs Jr.

**101**

### **6. Carbonate Sedimentary Rocks**

Sam Boggs Jr.

**135**

### **7. Other Chemical/Biochemical and Carbonaceous Sedimentary Rocks**

Sam Boggs Jr.

**169**

### **Depositional Environments**

Sam Boggs Jr.

**209**

### **8. Continental (Terrestrial) Environments**

Sam Boggs Jr.

**213**

### **9. Siliciclastic Marine Environments**

Sam Boggs Jr.

**249**



<b>10. Marginal-Marine Environments</b>	
Sam Boggs Jr.	<b>279</b>
<b>11. Carbonate and Evaporite Environments</b>	
Sam Boggs Jr.	<b>315</b>
<b>Stratigraphy and Basin Analysis</b>	
Sam Boggs Jr.	<b>343</b>
<b>12. Lithostratigraphy</b>	
Sam Boggs Jr.	<b>345</b>
<b>13. Seismic, Sequence, and Magnetic Stratigraphy</b>	
Sam Boggs Jr.	<b>373</b>
<b>14. Biostratigraphy</b>	
Sam Boggs Jr.	<b>415</b>
<b>15. Chronostratigraphy and Geologic Time</b>	
Sam Boggs Jr.	<b>445</b>
<b>16. Basin Analysis, Tectonics, and Sedimentation</b>	
Sam Boggs Jr.	<b>475</b>
<b>Appendix: Form and Roundness of Sedimentary Particles</b>	
Sam Boggs Jr.	<b>503</b>
<b>Appendix: Paleothermometry</b>	
Sam Boggs Jr.	<b>505</b>
<b>Appendix: Nomenclature of Global and Northern American Chronostratigraphic Units</b>	
Sam Boggs Jr.	<b>507</b>
<b>Appendix: Web Sites Pertaining to Sedimentology and Stratigraphy</b>	
Sam Boggs Jr.	<b>513</b>
<b>Bibliography</b>	
Sam Boggs Jr.	<b>519</b>
<b>Index</b>	<b>553</b>