

**Navigation Index for  
Preliminary Compilation of Descriptive Geoenvironmental Mineral Deposit Models  
Edward A. du Bray, editor  
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[Title Page](#)

[Contents Page](#)

[Acknowledgments](#)

[Read Me](#)

[Chapter 1: Geoenvironmental Models of Mineral Deposits—Fundamentals and Applications](#)

[Introduction](#)

[General Definitions](#)

Economic geology terms

Environmental terms

[Controls on the Environmental Behavior of Mineral Deposits](#)

Geologic controls

Climate

Mining and mineral processing method

[Empirical Study of Geologic and Geochemical Controls on Mine-Drainage Composition](#)

[Geoenvironmental Models of Mineral Deposits](#)

Summary of Relevant Geologic, Environmental, and Geophysical Information

Geologic Factors that Influence Potential Environmental Effects

Environmental Signatures

[Uses of Geoenvironmental Models](#)

Establishment of pre-mining baseline conditions

Exploration

Mine planning and development

Remediation

Abandoned mine lands issues

[References Cited](#)

[Chapter 2: Bioavailability of Metals](#)

[Introduction](#)

[Bioavailability](#)

[Factors that Influence Bioavailability in Soil](#)

[Factors that Influence Partitioning of Metals in Surface Water and Sediment](#)

[Metal Uptake Paths into Aquatic Organisms](#)

[Geochemical and Environmental Processes that Affect Bioavailability](#)

[Determination of Bioavailability by Selective Chemical Extraction](#)

[Specific Metals of Interest](#)

Arsenic

Cadmium

Copper

Lead

Mercury

Molybdenum

Selenium

Zinc

[Summary](#)

[References Cited](#)

### Chapter 3: Geophysical Methods in Exploration and Mineral Environmental Investigations

Introduction

Gravity Method

Magnetic Method

Gamma-Ray Methods

Seismic Methods

Thermal Methods

Electrical Methods

Direct current resistivity method

Electromagnetic method

Mise-a-la-masse method

Self potential method

Induced polarization method

Remote Sensing Methods

Other Methods

Geophysical Investigations in Geoenvironmental Studies

Abandoned mine workings

Contaminant plumes associated with sulfide deposits

Argillic alteration

Thickness of waste piles

Structures controlling contaminated water flow

Summary

References Cited

### Chapter 4: Magmatic Sulfide Deposits

Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

Geologic Factors that Influence Potential Environmental Effects

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

Nature of ore

Deposit trace element geochemistry

Ore and gangue mineralogy and zonation

Mineral characteristics

Secondary mineralogy

Topography, physiography

Hydrology

Mining and milling methods

Environmental Signatures

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Geoenvironmental geophysics

References Cited

## Chapter 5: Serpentine- and Carbonate-hosted Asbestos Deposits

### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

### Environmental Signatures

- Drainage signatures
- Asbestos mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

### Controversy Regarding Health Risks to Humans from Chrysotile Asbestos

#### Risk Assessment

- Acknowledgments

#### References Cited

## Chapter 6: Carbonatite Deposits

### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 7: Th-rare Earth Element Vein Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 8: Sn and (or) W Skarn and Replacement Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation

- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Surface disturbance
- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Effects of metals associated with these deposits types on life

#### Perspective

#### References Cited

### Chapter 9: Vein and Greisen Sn and W Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 10: Climax Mo Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics

References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size  
Host rocks  
Surrounding geologic terrane  
Wall-rock alteration  
Nature of ore  
Deposit trace element geochemistry  
Ore and gangue mineralogy and zonation  
Mineral characteristics  
Secondary mineralogy  
Topography, physiography  
Hydrology  
Mining and milling methods

**Environmental Signatures**

Drainage signatures  
Metal mobility from solid mine wastes  
Soil, sediment signatures prior to mining  
Potential environmental concerns associated with mineral processing  
Smelter signatures  
Climate effects on environmental signatures  
Geoenvironmental geophysics

**References Cited**

**Chapter 11: Porphyry Cu Deposits**

**Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information**

Deposit geology  
Examples  
Spatially and (or) genetically related deposit types  
Potential environmental considerations  
Exploration geophysics  
References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size  
Host rocks  
Surrounding geologic terrane  
Wall-rock alteration  
Nature of ore  
Deposit trace element geochemistry  
Ore and gangue mineralogy and zonation  
Mineral characteristics  
Secondary mineralogy  
Topography, physiography  
Hydrology  
Mining and milling methods

**Environmental Signatures**

Drainage signatures and metal mobility from solid mine wastes  
Soil, sediment signatures prior to mining  
Potential environmental concerns associated with mineral processing  
Smelter signatures  
Climate effects on environmental signatures  
Geoenvironmental geophysics

**References Cited**

## Chapter 12: Cu, Au, and Zn-Pb Skarn Deposits

### Introduction

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Surface disturbance
- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Examples of case studies of the environmental impact of skarn deposits
- Effects of metals associated with these deposits types on life

#### Perspective

#### References Cited

## Chapter 13: Fe Skarn Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology

Mining and milling methods

#### Environmental Signatures

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Geoenvironmental geophysics

#### Perspective

#### References Cited

### Chapter 14: Polymetallic Vein and Replacement Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

#### Geologic Factors that Influence Potential Environmental Effects

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

Nature of ore

Deposit trace element geochemistry

Ore and gangue mineralogy and zonation

Mineral characteristics

Secondary mineralogy

Topography, physiography

Hydrology

Mining and milling methods

#### Environmental Signatures

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Potential environmental effects:

Geoenvironmental geophysics

Guidelines for mitigation and remediation:

#### References Cited

### Chapter 15: Au-Ag-Te Vein Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

#### Geologic Factors that Influence Potential Environmental Effects

Deposit size

Host rocks



- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 16: Volcanic-associated Massive Sulfide Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 17: Blackbird Co-Cu Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types

- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 18: Creede, Comstock, and Sado Epithermal Vein Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental signatures associated with mineral processing:
- Smelter signatures
- Climate effects on environmental signatures
- Potential environmental effects:
- Guidelines for mitigation and remediation:

Geoenvironmental geophysics

References Cited

## Chapter 19: Epithermal Quartz-Alunite Au Deposits

Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

Geologic Factors that Influence Potential Environmental Effects

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

Nature of ore

Deposit trace element geochemistry

Ore and gangue mineralogy and zonation

Mineral characteristics

Secondary mineralogy

Topography, physiography

Hydrology

Mining and milling methods

Environmental Signatures

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Potential environmental effects

Guidelines for mitigation and remediation

Geoenvironmental geophysics

References Cited

## Chapter 20: Epithermal Mn Deposits

Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

Geologic Factors that Influence Potential Environmental Effects

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

Nature of ore

Deposit trace element geochemistry

Ore and gangue mineralogy and zonation

Mineral characteristics

Secondary mineralogy

Topography, physiography

Hydrology

Mining and milling methods

**Environmental Signatures**

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Geoenvironmental geophysics

**References Cited**

**Chapter 21: Rhyolite-hosted Sn Deposits**

**Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information**

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

Nature of ore

Deposit trace element geochemistry

Ore and gangue mineralogy and zonation

Mineral characteristics

Secondary mineralogy

Topography, physiography

Hydrology

Mining and milling methods

**Environmental Signatures**

Drainage signatures

Metal mobility from solid mine wastes

Soil, sediment signatures prior to mining

Potential environmental concerns associated with mineral processing

Smelter signatures

Climate effects on environmental signatures

Geoenvironmental geophysics

Acknowledgments

**References Cited**

**Chapter 22: Low-Ti Iron Oxide Cu-U-Au-REE Deposits**

**Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information**

Deposit geology

Examples

Spatially and (or) genetically related deposit types

Potential environmental considerations

Exploration geophysics

References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size

Host rocks

Surrounding geologic terrane

Wall-rock alteration

- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 23: Sediment-hosted Au Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Acknowledgments

#### References Cited

### Chapter 24: Almaden Hg Deposits

#### Introduction

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types

- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 25: Silica-carbonate Hg Deposits

#### Introduction

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

## References Cited

### Chapter 26: Stibnite-Quartz Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Comments

## References Cited

### Chapter 27: Algoma Fe Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 28: Sediment-hosted Cu Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental concerns
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy, zoning
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and processing methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine waste
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Acknowledgments

#### References Cited

### Chapter 29: Sedimentary Exhalative Zn-Pb-Ag Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry



- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Acknowledgments

#### References Cited

### Chapter 30: Mississippi Valley-type Pb-Zn Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

#### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics
- Acknowledgments

#### References Cited

### Chapter 31: Solution-collapse Breccia Pipe U Deposits

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics

References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size  
Host rocks  
Surrounding geologic terrane  
Wall-rock alteration  
Nature of ore  
Deposit trace element geochemistry  
Ore and gangue mineralogy and zonation  
Mineral characteristics  
Secondary ore and gangue mineralogy  
Topography, physiography  
Hydrology  
Mining and milling methods

**Environmental Signatures**

Drainage signatures  
Metal mobility from solid mine wastes  
Soil, sediment signatures prior to mining  
Potential environmental concerns associated with mineral processing  
Mill signatures  
Environmental mitigation  
Climate effects on environmental signatures  
Geoenvironmental geophysics  
Acknowledgments

**References Cited**

**Chapter 32: Superior Fe Deposits**

**Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information**

Deposit geology  
Examples  
Spatially and (or) genetically related deposit types  
Potential environmental considerations  
Exploration geophysics  
References

**Geologic Factors that Influence Potential Environmental Effects**

Deposit size  
Host rocks  
Surrounding geologic terrane  
Wall-rock alteration  
Nature of ore  
Deposit trace element geochemistry  
Ore and gangue mineralogy and zonation  
Mineral characteristics  
Secondary mineralogy  
Topography, physiography  
Hydrology  
Mining and milling methods

**Environmental Signatures**

Drainage signatures  
Metal mobility from solid mine wastes  
Soil, sediment signatures prior to mining  
Potential environmental concerns associated with mineral processing  
Smelter signatures  
Climate effects on environmental signatures  
Geoenvironmental geophysics

**References Cited**

## Chapter 33: Sedimentary Mn Deposits

### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining
- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

### References Cited

## Chapter 34: Low Sulfide Au Quartz Veins

### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
- Potential environmental considerations
- Exploration geophysics
- References

### Geologic Factors that Influence Potential Environmental Effects

- Deposit size
- Host rocks
- Surrounding geologic terrane
- Wall-rock alteration
- Nature of ore
- Deposit trace element geochemistry
- Ore and gangue mineralogy and zonation
- Mineral characteristics
- Secondary mineralogy
- Topography, physiography
- Hydrology
- Mining and milling methods

### Environmental Signatures

- Drainage signatures
- Metal mobility from solid mine wastes
- Soil, sediment signatures prior to mining

- Potential environmental concerns associated with mineral processing
- Smelter signatures
- Climate effects on environmental signatures
- Geoenvironmental geophysics

#### References Cited

### Chapter 35: Stratabound Au in Iron Formations

#### Summary of Relevant Geologic, Geoenvironmental, and Geophysical Information

- Deposit geology
- Examples
- Spatially and (or) genetically related deposit types
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- Exploration geophysics
- References

#### Geologic Factors that Influence Potential Environmental Effects

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#### Environmental Signatures

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