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Autore	French Hugh M
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5.4 Postglacial Conditions5.5 The Last Two Millennia; 5.6 Recent Changes; 5.7 The Future; References; Discussion Questions; Some Useful Internet Sources; 6 Snow and Runoff: Processes, Sensitivity and Vulnerability; 6.1 Introduction; 6.2 Snow Accumulation; 6.3 Land Cover; 6.4 Snow Ablation; 6.5 Snowmelt Runoff Processes; 6.6 Streamflow; 6.7 Snowmelt Floods in Large Basins; 6.8 Snow Vulnerability; References; Discussion Questions; Some Useful Internet Sources; 7 Permafrost Distribution and Stability; 7.1 Introduction; 7.2 Distribution of Permafrost; 7.3 Thermal Regime of Permafrost
7.4 Permafrost and Climate Change7.5 Conclusions; References; Discussion Questions; Some Useful Internet Sources; 8 Sea Ice in Canada; 8.1 Introduction; 8.2 What is Sea Ice?; 8.3 The Physical Nature of Sea Ice; 8.4 Spatial and Temporal Distribution of Sea Ice; 8.5 Sea Ice and Climate Change; 8.6 Implications for Northern Communities, Economic Development and the Environment; References; Discussion Questions; Some Useful Internet Sources; 9 Lake and River Ice in Canada; 9.1 Introduction; 9.2 Role in the Climate System; 9.3 Climatic Controls; 9.4 Historical Trends and Linkages to Climate
9.5 Future Ice Regime Projections

Sommario/riassunto

Changing Cold Environments; Implications for Global Climate Change is a comprehensive overview of the changing nature of the physical attributes of Canada's cold environments and the implications of these changes to cold environments on a global scale. The book places particular emphasis on the broader environmental science and sustainability issues that are of increasing concern to all cold regions if present global climate trends continue. Clearly structured throughout, the book focuses on those elements of Canada's cold environments that will be most affected by global climate change