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Nota di contenuto	Cover -- Half Title Page -- Series Page -- Full Title Page -- Copyright Page -- CONTENTS -- INTRODUCTION -- Part 1: FRAMING THE BOOK -- 1: DROUGHT AND VULNERABILITY: A CONCEPTUAL APPROACH -- Part 2: PAST AND FUTURE DROUGHT: LESSONS FROM CLIMATE SCIENCE -- 2: CANADIAN PRAIRIES DROUGHT FROM A PALEOCLIMATE PERSPECTIVE -- 3: FUTURE POSSIBLE DROUGHTS -- Part 3: DEALING WITH PRAIRIE DROUGHTS: CRISES AND ADAPTIVE RESPONSES -- 4: THE IMPACTS OF THE 2001-2 DROUGHT IN RURAL ALBERTA AND SASKATCHEWAN, AND CANADA -- 5: THE "MIN TILL" REVOLUTION AND THE CULTURE OF INNOVATION -- 6: THE TROUBLED STATE OF IRRIGATION IN SOUTHWESTERN SASKATCHEWAN: THE EFFECTS OF CLIMATE VARIABILITY AND GOVERNMENT OFFLOADING ON A VULNERABLE COMMUNITY -- 7: GENDERING CHANGE: CANADIAN FARM WOMEN RESPOND TO DROUGHT -- Part 4: GOVERNANCE SYSTEMS FOR PRAIRIE DROUGHT AND WATER MANAGEMENT -- 8: DROUGHT AND PUBLIC POLICY IN THE PALLISER TRIANGLE: THE HISTORICAL PERSPECTIVE -- 9: THE GOVERNANCE OF DROUGHTS -- 10: WATER GOVERNANCE IN THE PRAIRIE PROVINCES -- Part 5: STRATEGIC PLANNING AND DROUGHT -- 11: VALUES ANALYSIS AS A DECISION SUPPORT TOOL TO MANAGE VULNERABILITY AND ADAPTATION TO DROUGHT -- 12: BRIDGING KNOWLEDGE SYSTEMS FOR DROUGHT

PREPAREDNESS: A CASE STUDY FROM THE SWIFT CURRENT CREEK WATERSHED (CANADA) -- Part 6: LEARNING FROM OTHER EXPERIENCES -- 13: DROUGHT RISKS AND OPPORTUNITIES IN THE CHILEAN GRAPE AND WINE INDUSTRY: A CASE STUDY OF THE MAULE REGION -- 14: DROUGHT IN THE OASIS OF CENTRAL WESTERN ARGENTINA -- Part 7: CONCLUDING REMARKS -- CONCLUSION -- INDEX -- Back Cover.

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Sommario/riassunto

Although there is considerable historical literature describing the social and economic impact of drought on the prairies in the 1930s, little has been written about the challenges presented by drought in more contemporary times. The drought of 2001-02 was, for example, the most recent large-area, intense, and prolonged drought in Canada and one of Canada's most costly natural disasters in a century. Vulnerability and Adaptation to Drought on the Canadian Prairies describes the impacts of droughts and the adaptations made in prairie agriculture over recent decades. These adaptations have enhanced the capacity of rural communities to withstand drought. However, despite the high levels of technical adaptation that have occurred, and the existing human capital and vibrant social and information networks, agricultural producers in the prairie region remain vulnerable to severe droughts that last more than a couple of years. Research findings and projections suggest that droughts could become more frequent, more severe, and of longer duration in the region over the course of the 21st century. This book provides insights into the conditions generating these challenges and the measures required to reduce vulnerability of prairie communities to them. Developing greater understanding of the social forces and conditions that have contributed to enhanced resilience, as well as those which detract from successful adaptation, is a principal theme of the book. To that end, the book examines drought through an interdisciplinary lens encompassing climate science and the social sciences. Two of the chapters are based on the drought experiences of other countries in order to provide a comparative assessment. With contributions by: Jose Armando Boninsegna, Barrie Bonsal, Darrell Corkal, Amber Fletcher, Monica Hadarits, Tom Harrison, Margot Hurlbert, Samantha Kerr, Erin Knuttila, Suren Kulshreshtha, Gregory Marchildon, Elma Montana, Bruce Morito, Jeremy Pittman, Alejandro Rojas, David Sauchyn, Paula Santibanez, A. Unvoas, Johanna Wandel, James Warren, Virginia Wittrock, Elaine Wheaton.

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