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| Autore | Johnston Carol A |
| Titolo | Beavers: Boreal Ecosystem Engineers // by Carol A. Johnston |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017 |
| ISBN | 3-319-61533-5 |
| Edizione | [1st ed. 2017.] |
| Descrizione fisica | 1 online resource (XXXIX, 272 p. 21 illus., 4 illus. in color.) |
| Collana | Wildlife damage management technical series |
| Disciplina | 591.7 |
| Soggetti | Animal ecology Wildlife Fishes Biotic communities Landscape ecology Animal Ecology Fish & Wildlife Biology & Management Ecosystems Landscape Ecology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "March 2017." |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Legacy of beaver-human interaction -- Ecosystem engineers: beaver ponds -- Altering the water cycle -- Beaver loggers: beaver herbivory alters forest structure -- Soils of beaver meadows -- Vegetation of beaver impoundments -- The biogeochemistry of boreal beaver ponds -- Beaver ponds and the carbon cycle -- Fish assemblages in a beaver-influenced successional landscape -- Beavers as engineers of wildlife habitat. |
| Sommario/riassunto | This book integrates the results of Dr. Carol Johnston's research on beaver ecosystem alteration at Voyageurs National Park, a mature beaver-altered landscape named after the French-Canadian voyageurs who transported packs of beaver pelts through the region more than 250 years ago. The text synthesizes information about the vegetation, soils, and chemistry of beaver impoundments, bridging the fields of ecosystem science and landscape ecology to analyze the dynamics of a |

beaver-altered landscape. The findings from this mature system can inform other scientists and managers about the sustainability and long-term ecosystem effects of beaver activity that is still expanding in much of North America. These findings are also compared to studies of beaver-occupied landscapes in other locations, including the Adirondacks, Tierra del Fuego, and other national parks. Dr. Carol A. Johnston is Professor of Ecology in the Department of Natural Resource Management at South Dakota State University. She is a Certified Professional Soil Scientist, a Fellow of the Society of Wetland Scientists, and a life member of the Ecological Society of America.
