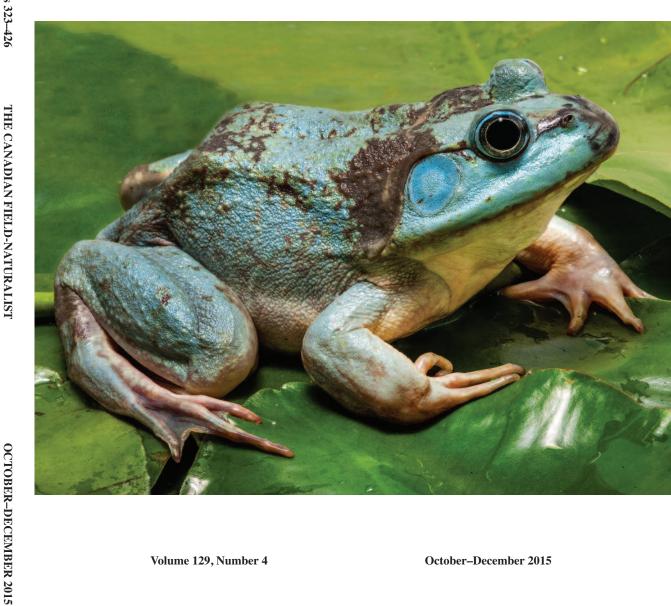
THE CANADIAN FIELD-NATURALIST	Volume 129, Number 4	2015	
Articles			
Do ducks and songbirds initiate more nests when the probability $$\operatorname{TODD}\nolimits A$$	of survival is greater?  A. Grant and Terry L. Shaffer	323	
Aspen parkland pasture altered by Richardson's Ground Squirrel (activity: the good, the bad, and the not so ugly?		221	
LEVI J. NEWEDIUK, ISO	BEL WATERS, and JAMES F. HARE	331	
Distribution of the exotic Pond Slider (Trachemys scripta) in On	tario DAVID C. SEBURN	342	
	eliminary vascular flora of Scotty UE, ÉTIENNE LÉVEILLÉ-BOURRET, HIGGINS, and OLIVER SONNENTAG	349	
White-tailed Deer ( <i>Odocoileus virginianus</i> ) fawn risk from Gray Wosummer  L. David Mech, Aaron Morris	olf ( <i>Canis lupus</i> ) predation during s, and Shannon Barber-Meyer	368	
Response of wild Trumpeter Swan ( <i>Cygnus buccinator</i> ) broods to in food abundance HARRY G. LUMSDEN, VERNON G. THE		374	
Movements of the Eastern Ribbonsnake ( <i>Thamnophis sauritus</i> ) i T. L. Imlay, J. Saroli, T. B.	n Nova Scotia . Herman, and S. W. Mockford	379	
Recent occurrences of wild-origin wolves ( <i>Canis</i> spp.) in Canada revealed by stable isotope and genetic analysis  Donald F. McAlpine, David X. Soto, Linda Y. I  Bradley N. White, James		386	
Notes			
Three records of rare blue American Bullfrogs, <i>Lithobates catesli</i> JOHN C	beianus, in Nova Scotia, Canada Gilhen and Ronald W. Russell	395	
Cloud Sponge, <i>Aphrocallistes vastus</i> (Porifera: Hexactinellida), fragment healing and reattachment Jeff Marliave			
		403	

(continued on inside back cover)

ISSN 0008-3550

# The CANADIAN FIELD-NATURALIST

Published by THE OTTAWA FIELD-NATURALISTS' CLUB, Ottawa, Canada



Volume 129, Number 4

October-December 2015

# The Ottawa Field-Naturalists' Club

FOUNDED IN 1879

#### **Patron**

His Excellency the Right Honourable David Johnston, C.C., C.M.M., C.O.M., C.M. Governor General of Canada

The objectives of this Club shall be to promote the appreciation, preservation and conservation of Canada's natural heritage; to encourage investigation and publish the results of research in all fields of natural history and to diffuse information on these fields as widely as possible; to support and cooperate with organizations engaged in preserving, maintaining or restoring environments of high quality for living things.

## **Honorary Members**

Ronald E. Bedford	Michael D. Cadman	Peter W. Hall	E. Franklin Pope
Edward L. Bousfield	Paul M. Catling	Christine Hanrahan	Joyce M. Reddoch
Charles D. Bird	Francis R. Cook	C. Stuart Houston	Allan H. Reddoch
Fenja Brodo	Bruce Di Labio	Ross A. Layberry	Dan Strickland
Irwin M. Brodo	Anthony J. Erskine	Theodore Mosquin	John B. Theberge
Daniel F. Brunton	J. Bruce Falls	Robert W. Nero	Sheila Thomson

### 2015 Board of Directors

President: Fenja Brodo	Carolyn Callaghan	Ted Farnworth	Karen McLachlan Hamilton
1st Vice-President: Henry Steger	Barbara Chouinard	Diane Kitching	Lynn Ovenden
2 <sup>nd</sup> Vice-President: Eleanor Zurbrigg	Julia Cipriani	Louis L'Arrivée	Rémy Poulin
Recording Secretary: Annie Bélair	Owen Clarkin	Alex MacDonald	Jeffery M. Saarela
Treasurer: Ken Young	Barry Cottam	Ann MacKenzie	

To communicate with the Club, address postal correspondence to: The Ottawa Field-Naturalists' Club, P.O. Box 35069, Westgate P.O., Ottawa, ON, K1Z 1A2, or e-mail: ofnc@ofnc.ca. For information on Club activities, go to www.ofnc.ca

## The Canadian Field-Naturalist

The Canadian Field-Naturalist is published quarterly by The Ottawa Field-Naturalists' Club. Opinions and ideas expressed in this journal do not necessarily reflect those of The Ottawa Field-Naturalists' Club or any other agency.

Website: www.canadianfieldnaturalist.ca/index.php/cfn

Editor-in-Chief: Dr. Carolyn Callaghan
Copy Editor: Sandra Garland
Assistant Editor: Dr. Amanda Martin
Typographer: Wendy Cotie

Journal Manager: Dr. Jay Fitzsimmons: subscriptions@canadianfieldnaturalist.ca or via postal address above.

Book Review Editor: Roy John

Associate Editors: Ian Adams Jennifer R. Foote Garth Mowat Jeffery M. Saarela
Paul M. Catling Anthony J. Gaston David Nagorsen David C. Seburn
François Chapleau Thomas S. Jung Claude B. Renaud Jeffrey H. Skevington
Francis R. Cook Donald F. McAlpine Marty Obbard

Chair, Publications Committee: Jeffery M. Saarela

All manuscripts intended for publication except Book Reviews should be addressed to the Editor and sent by e-mail: editor@canadianfieldnaturalist.ca or postal mail (with disk): 611 Chemin Cregheur, Luskville, QC J0X 2G0; (819) 455-1087; Book-review correspondence should be sent to the Book Review Editor by e-mail: r.john@rogers.com or postal mail: 2193 Emard Crescent, Ottawa, ON, K1J 6K5

#### **Subscriptions and Membership:**

Subscription rates for individuals are \$40 (online only), \$50 (print only), or \$60 (print + online). Libraries and other institutions may subscribe for \$60 (online only or print only) or \$90 (print + online). All foreign print subscribers and members (including USA) must add \$10 to cover postage. The Ottawa Field-Naturalists' Club annual membership fee of \$40 (individual), \$45 (family), or \$20 (student) includes an online subscription to *The Canadian Field-Naturalist*. Members can receive printed issues of CFN for an additional \$30 per volume (four issues). For further details, including discounts for members of the Canadian Museum of Nature, see http://ofnc.ca/member.php. The club's regional journal, *Trail & Landscape*, covers the Ottawa District and regional Club events and field trips. It is mailed to Ottawa area members, and is available to those outside Ottawa on request. It is available to libraries at \$33 per year. Subscriptions, applications for membership, notices of changes of address, and undeliverable copies should be sent to subscriptions@canadianfieldnaturalist.ca or mailed to: The Ottawa Field-Naturalists' Club, P.O. Box 35069, Westgate P.O., Ottawa, ON, K1Z 1A2 Canada. Canada Post Publications Mail Agreement number 40012317. Return postage guaranteed.

The Manning Fund, established in 2000 from the bequest of northern biologist Thomas H. Manning (1911–1998), provides financial assistance for the publication of papers in the CFN by independent (non-institutional) authors. Qualifying authors should make their application for assistance from the Fund at the time of their initial submission.

Cover: A blue female American Bullfrog, *Lithobates catesbeianus*, found in the Wallace Bay area, Cumberland County, Nova Scotia, and photographed in natural sunlight. See Gilhen and Russell, pages 395–398 in this issue. Photo: Roger A. Lloyd.

TABLE OF CONTENTS (concluded)	Volume 129, Number 4	2015
Book Reviews		
ZOOLOGY: A Field Guide to Common Fishes of the Pacific Northwest		409
BOTANY: A Field Guide to Seaweeds of the Pacific Northwest		409
OTHER: The Carbon Bubble — Handbook of Road Ecology — The New Labra Cartwright	dor Papers of Captain George	410
New Titles		412
News and Comment		
The Canadian Herpetologist (TCH) 5(1), Spring 2015		413
<b>Upcoming Meetings and Workshops</b>		
2016 Forests Ontario Conference — Entomological Society of America — Sou Wisconsin Wetlands Association Annual Meeting — 2016 Alberta Chap Annual Conference and Meeting — Wildland–Urban Interface 2016 — Ento — Southeastern Branch Meeting — American Fisheries Society — Washingt Annual General Meeting — US Regional Association of the International Ecology Annual Meeting — Entomological Society of America — Pacific Branch Wildlife Conference — Eastern Bird Banding Association Meeting — Northead	oter of The Wildlife Society mological Society of America con-British Columbia Chapter al Association for Landscape h Meeting — Northeast Fish &	413
Club Awards		415
Index to The Canadian Field-Naturalist Volume 129	By William Halliday	420

Mailing date of the previous issue 129(3): 23 October 2015