

WATER CANADA

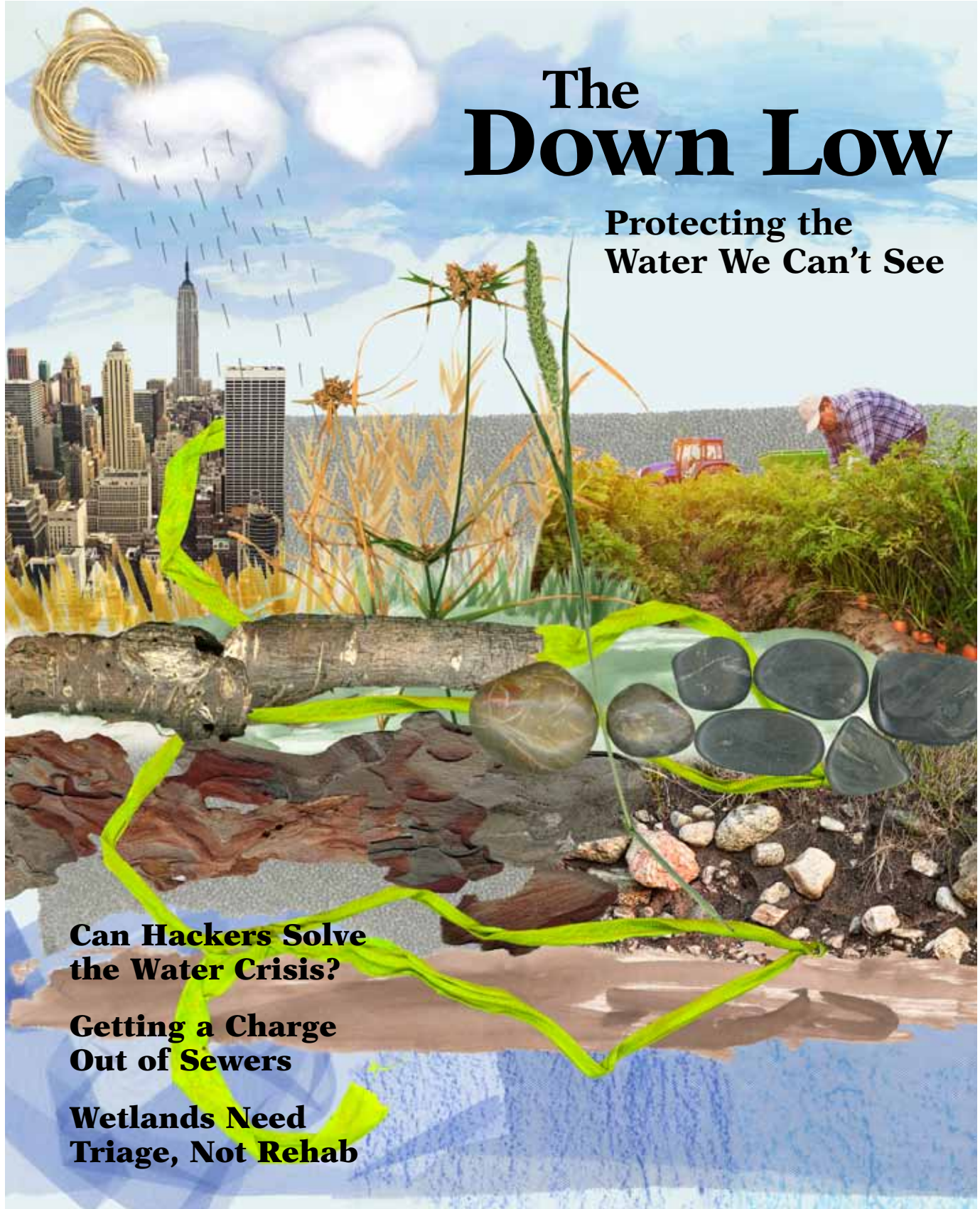
The Down Low

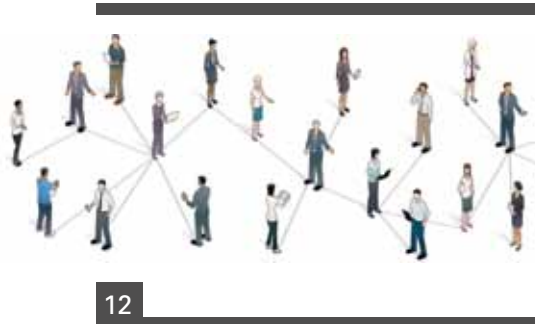
Protecting the
Water We Can't See

**Can Hackers Solve
the Water Crisis?**

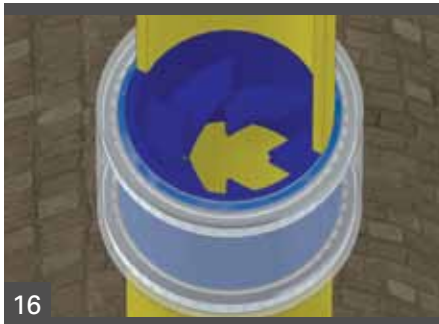
**Getting a Charge
Out of Sewers**

**Wetlands Need
Triage, Not Rehab**





12



16



17

WATER CANADA

SEPTEMBER/OCTOBER 2012

VOLUME 12 NUMBER 5

FEATURES

12 Hack the Planet

A growing network of digital volunteers wants to solve the world's water issues.

BY **KERRY FREEK**

16 Drops and Watts

Sewers might be the next source of green energy.

BY **RICHARD ST-AUBIN**

28 Beyond Best Management

As technology progresses, service providers should champion higher standards.

BY **MYLES MAKORTOFF**

30 Watershed Response

Measuring and monitoring for climate change adaptation.

BY **RAPHAEL ABRAHAO, ALAN DOUGLAS, JACQUELINE RICHARD, AND ANNETTE MORAND**

GROUNDWATER

17 A Layered Approach

A better plan could overcome barriers to groundwater remediation.

BY **DAVID SMYTH, MARC BROOKS, AND JEANETTE SOUTHWOOD**

21 Bits and Bites

CEMA develops a groundwater portal, and researchers look at the global state of groundwater resources.

22 Groundbreakers

The CARA program empowers students in Central America to manage groundwater resources in their own backyards.

BY **KERRY FREEK AND BRENDAN MULLIGAN**

24 Fine Print

British Columbia's new *Water Act* will finally regulate groundwater use in the province.

BY **RICK WILLIAMS AND LUKE DINELEY**

WETLANDS

32 Metro Basin Blues

Water pollution poses a real threat to China's northern, urban population. Could constructed wetlands help?

BY **ANNIE CHOUINARD**

34 Protect First, Restore Later

Why wetland triage might put rehab on hold.

BY **PASCAL BADIOU**

COLUMNS

26 Liquid Assets

How do you buy innovation?

BY **RODDY BOLIVAR**

40 Rules and Regs

ISO tackles water in the global context of cities.

BY **T.D. ELLISON**

42 H2Opinion

INGRID STEFANOVIC gets philosophical.

DEPARTMENTS

5 Editor's Note

Salt is (very) serious.

BY **KERRY FREEK**

6 Front We asked readers about Asian carp and the fate of the Great Lakes, scientists ponder about the origin of water, and many people are worried about salt.

36 News Jobs, awards, acquisitions, and partnerships.

37 Events The Canadian Water Summit and Maintenancefest.



22



28



32