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THIS ISSUE

This month, Coal Age publishes its Annual Forecast based on a survey of coal executives. On the cover, one of two refurbished P&H 2800 electric shovels begins moving overburden at Southern Coal.

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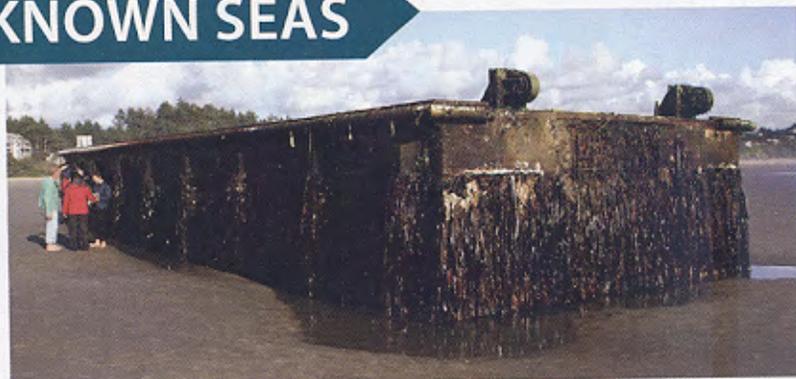


SETTING SAIL ON UNKNOWN SEAS

30 THE PAST, PRESENT AND FUTURE OF SPECIES RAFTING

The 2011 Japanese tsunami set adrift tons of debris, some of it carrying live plants and animals that landed in North America more than a year later. It isn't the first time species have traveled the globe on ersatz rafts, and it won't be the last.

Mary Caperton Morton



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RELEASING A FLOOD OF CONTROVERSY ON THE COLORADO RIVER



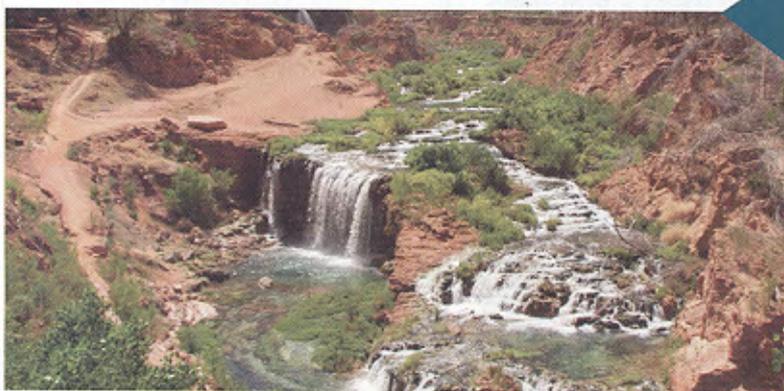
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Since the completion of the Glen Canyon Dam, the once warm and muddy Colorado River has run clear and cold, with a drastically altered ecosystem. A new plan to release regular, intentional floods — to resupply sediment and restore species habitat — aims to reverse the damage done to the Grand Canyon's natural systems over the last 50 years.

Terri Cook

TRAVELS IN GEOLOGY



HAVASU CANYON: LAND OF BLUE-GREEN WATER 47

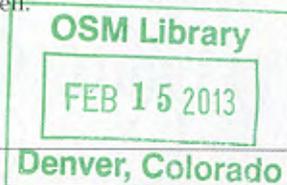
Havasu Canyon hosts a multitude of waterfalls, a secluded village — accessible only by foot, horseback or helicopter — and a verdant, spring-fed travertine landscape, where you can witness geology in action.

Lon Abbott and Terri Cook

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The science job market is changing. A career-planning tool used in the business world could benefit geoscientists as well.
- Lisa A. Rossbacher**



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In addition to the 2013 Project Survey, this month E&M publishes a GBR report on developments in the Democratic Republic of Congo. The cover photo is a night time shot of a heavy media separation plant at Tiger Resources' Kipoi project, which is processing ore mined from the Katanga Copper Belt.

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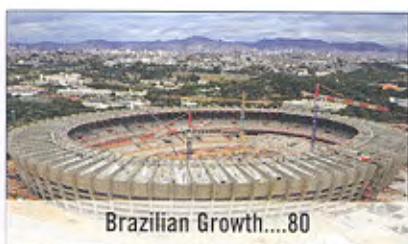
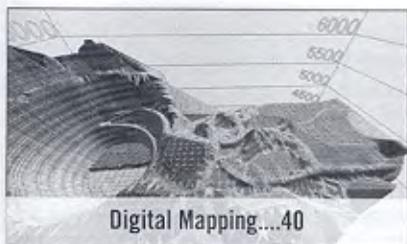
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Historically, the Bell Creek mine relied on a 300-m shaft to access the ore body. The new owner, Lake Shore Gold, has successfully driven a ramp from the surface to the 610 m level, giving the mine access to much deeper reserves. (Photo courtesy of Invest in Ontario)

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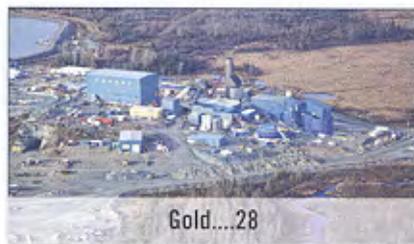
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Top 25 Newsmakers

37 Each year, ENR editors review the stories of the prior year and select 25 Newsmakers for their innovations and achievements in construction. We salute this year's group for their contributions to the industry.

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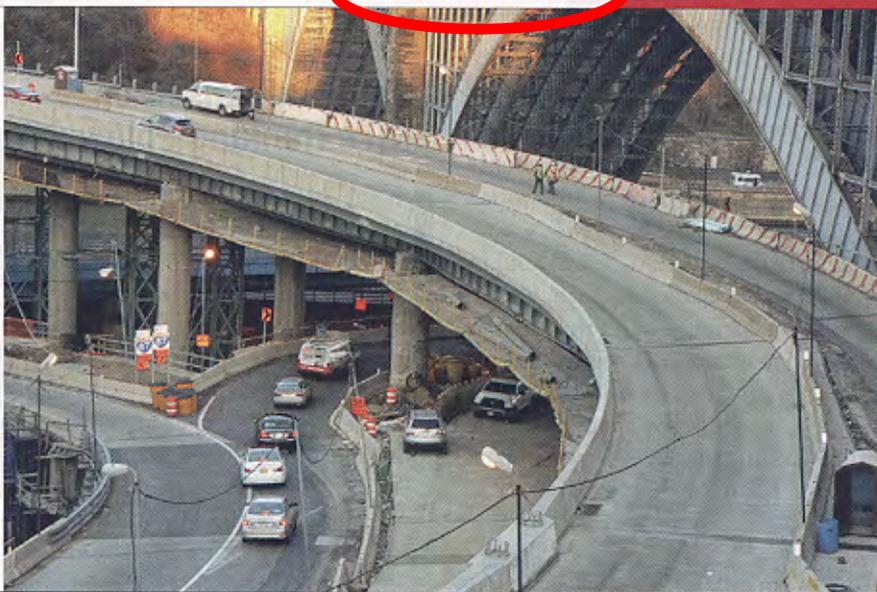
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COVER STORY

Fixing a New York Artery

28 Innovative solutions and intense partnering among all construction parties helped keep an immensely complex rehabilitation of the Alexander Hamilton Bridge on schedule

Cover photo courtesy of Ammann & Whitney Consulting Engineers, P.C.; photo right courtesy of New York State DOT



SPECIAL REPORT

Contractor Business Quarterly

CBQ1 This issue features a profile of BIM innovator Tocci Building Cos. and new research on green-school construction

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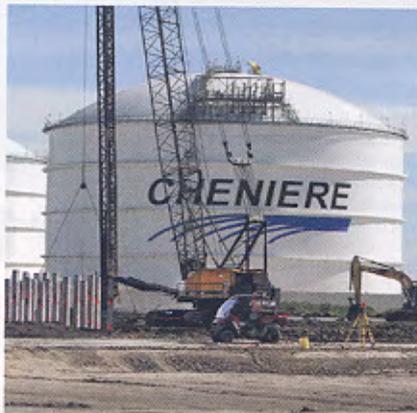
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SPECIAL REPORT

Best of the Best

23 From nearly 1,000 submissions to ENR's regional competitions, panels of independent judges picked winners in 19 categories, including a new award for safety. Our editors also chose one project as the "Editors' Choice" for overall excellence.

Cover photo by Joe Dunn/Flatiron; photo right courtesy of Louisiana TIMED Managers



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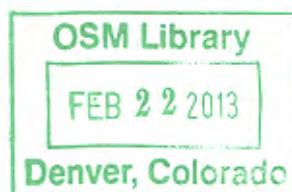
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On the Cover: Ahafo gold mine in Ghana. Photo contributed by Wayne Rogers.

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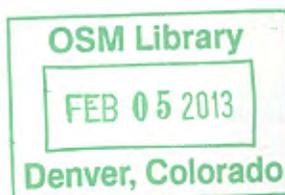
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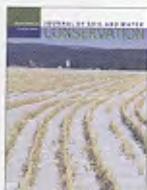
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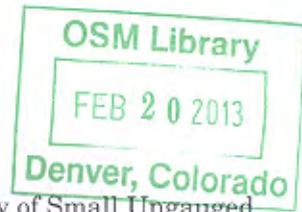
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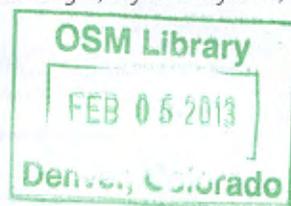
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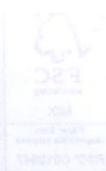


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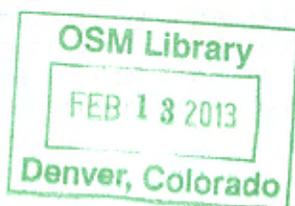
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by Matt Dwyer, CPESC

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by JoAnne Castagna, Ed.D.

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The revitalization of Short Beach in Winthrop, MA demonstrates how a simple, natural-looking solution can revitalize a recreational resource while protecting water quality and enhancing access and usage. A new 1,500-foot-long stabilized stone-dust pathway connects the parking lot to Belle Isle Marsh and includes a 120-foot-long wooden footbridge over part of the marsh. See story page 20.



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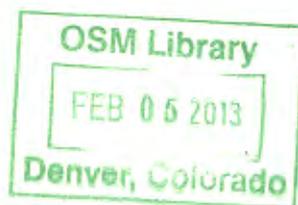
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Front Cover: Rainbow captured in North Dakota's Theodore Roosevelt National Park. Photo by Kelly Krabbenhoft, Hazen, ND, USA.