

Introduction

8

California dry

How we remade the land and took the water until there was none to take. *By Mark Arax*



Report

17

Dispatches

Singapore's push for water independence, the long shadow of Day Zero in Cape Town, and efforts to help farmers in Karachi conserve water.

22

Mexico City on the way down

Thanks to aquifer depletion, the city sank some 12 meters in the last century and may sink another 30 before hitting rock bottom. *By Lucas Laursen*

Features



24

Making water work in the "drought-proof" city

El Paso has long been known for its water conservation. Now climate change is pushing adaptation to its limits. *By Casey Crownhart*



30

Our invisible groundwater problem

Rising sea levels are pushing up groundwater, often miles from the coast. The result is an unseen crisis that is rapidly getting worse. *By Kendra Pierre-Louis*



36

Healing the mother river

The Soviets turned Russia's most important river into a machine. Then the machine broke. Can it be fixed? *By Olga Dobrovidova*



44

Bone dry

Drought in Zimbabwe has forced tens of thousands of farmers to migrate to the country's Eastern Highlands. How many more can the region support? *By Andrew Mambondiyani*



48

Making friends with flooding

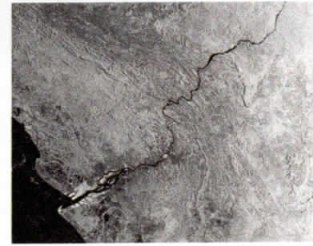
Our attempts to control water have been a disaster, says one influential Chinese designer. His radical theory: we should work with it instead. *By Erica Gies*



58

The threat to the planet's ocean currents

New science suggests that the Atlantic currents are even more baffling and unpredictable than expected. *By James Temple*



68

Mapping the world's fresh water from space

It's surprisingly difficult to measure fresh water up close. So climate scientists are taking a step back. *By Maria Gallucci*

"We're gonna have all these wetlands in urbanized areas and around roads, where we don't really want them."

— page 35

Essays

73

Water infrastructure needs to change

Conventional ways of supplying water and preventing floods will be no match for climate change. *By Sandra Postel*

75

Exporting water in a time of record drought

Fresh water can and will eventually run out if we're not careful. Climate change is bringing that day along faster. *By Alok Jha*

77

The power of storytelling in the fight against climate change

Stories may be the most overlooked climate solution of all. *By Devi Lockwood*

Fiction

82

Elyse Flayne and the final flood

By Robin Sloan

The back page

88

Come hell or high water