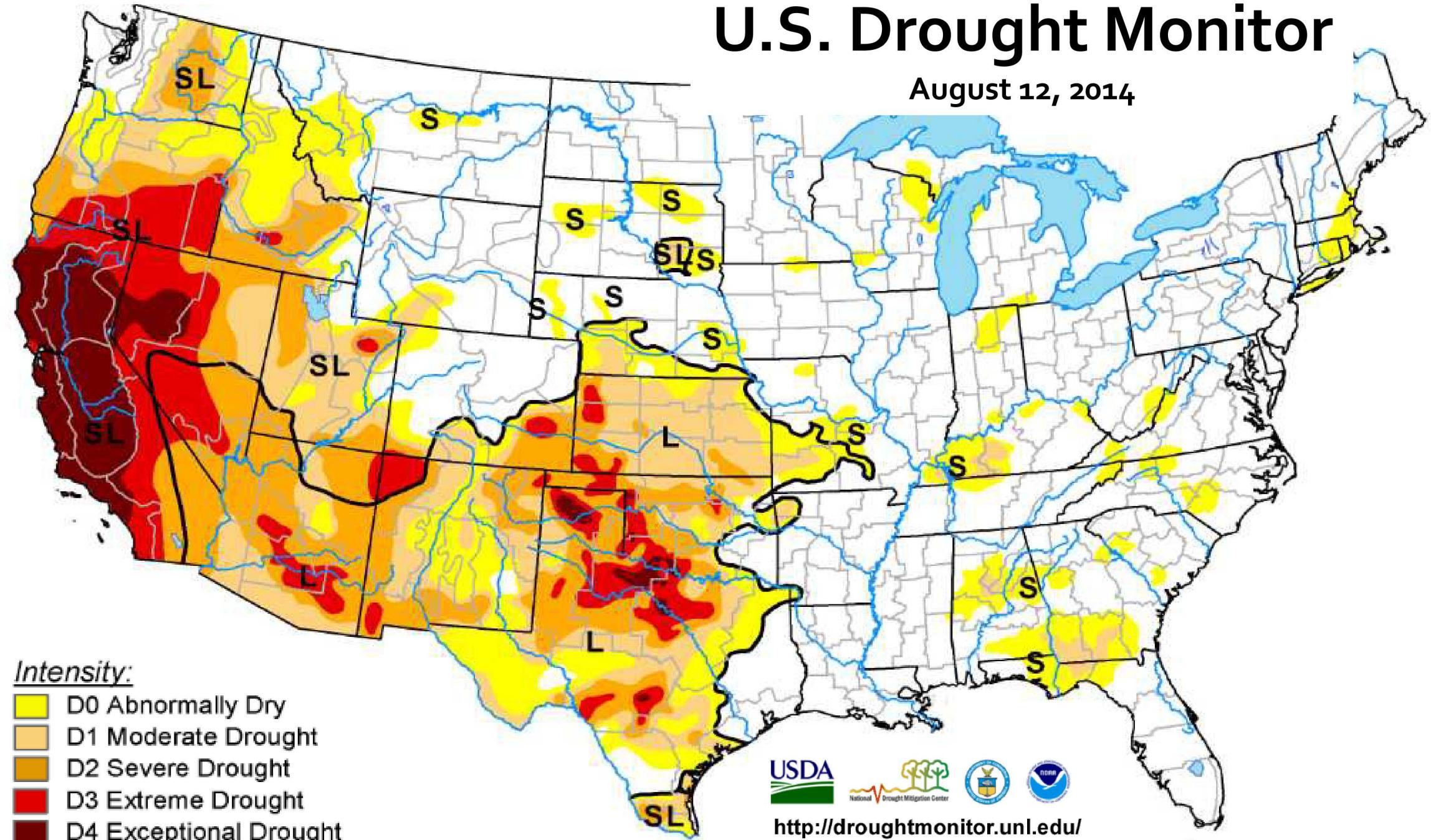


Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.



U.S. Drought Monitor

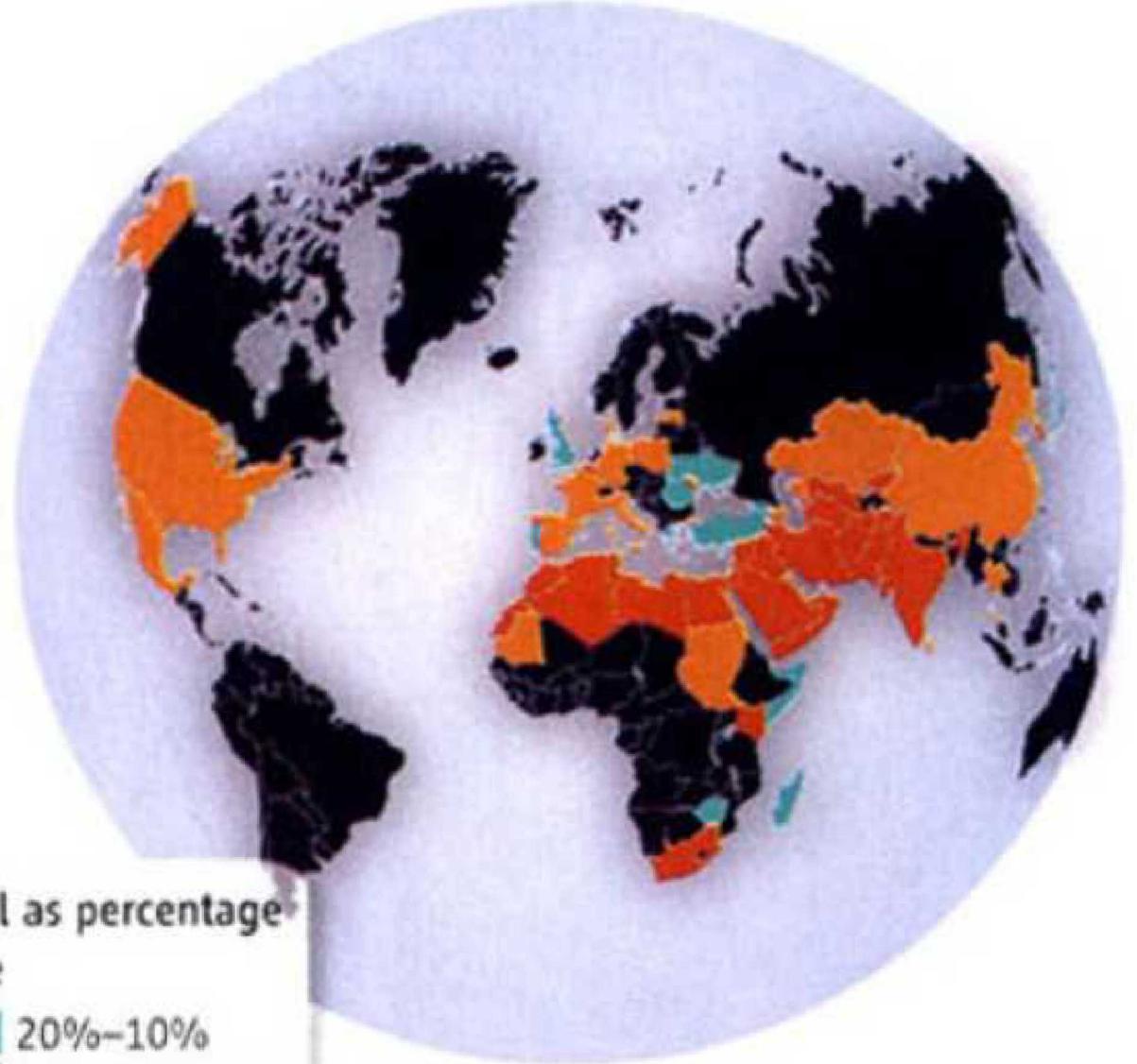
August 12, 2014



1995



2025



Water withdrawal as percentage
of total available

Over 40% 20%-10%
40%-20% Less than 10%

1995

2025

INDIA

‘We Can’t Waste a Drop.’ India Is Running Out of Water.

Population growth, modernization and climate change spawn a resource crisis; trouble in a remote Himalayan region

WSJ, August 19th, 2019

Water withdrawal as percentage of total available

- Over 40% ■ 20%-10%
- 40%-20% ■ Less than 10%

1995

2025

INDIA

‘We Can’t Waste a Drop.’ India Is Running Out

Population growth

region

a remote Himalayan

What's the solution?!

WSJ, August 19th, 2019

Water withdrawal as percentage
of total available

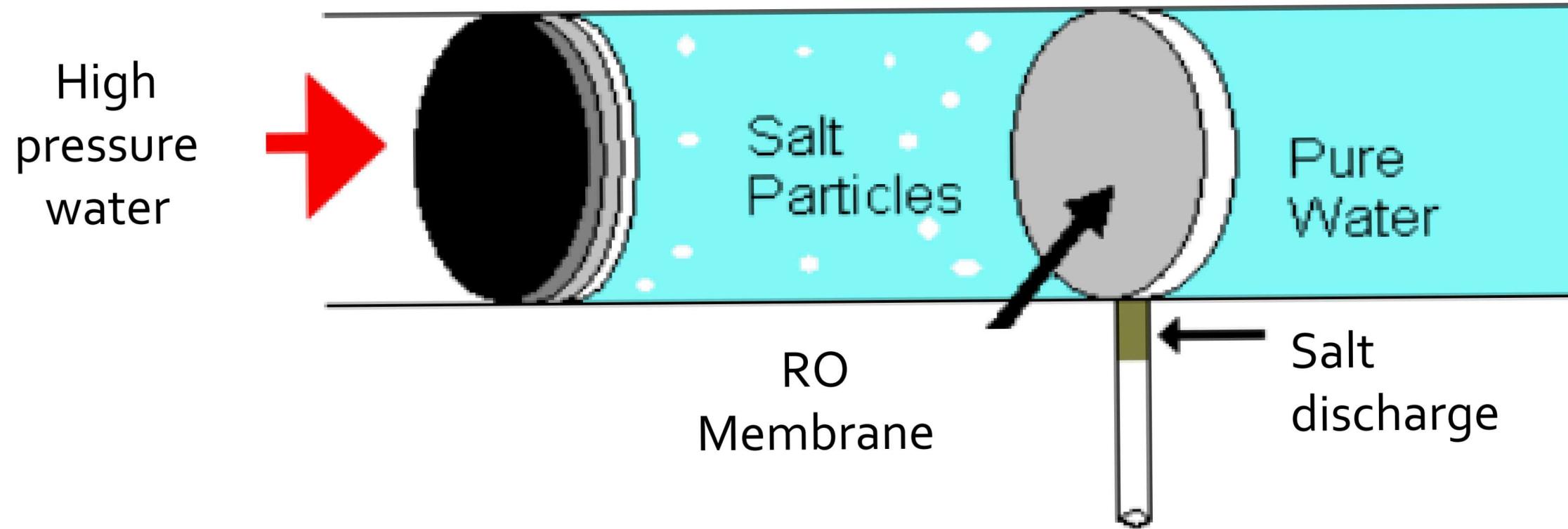
- Over 40% ■ 20%-10%
- 40%-20% ■ Less than 10%

Plenty of Water in the Sea

Reverse Osmosis (RO) water purification of sea water

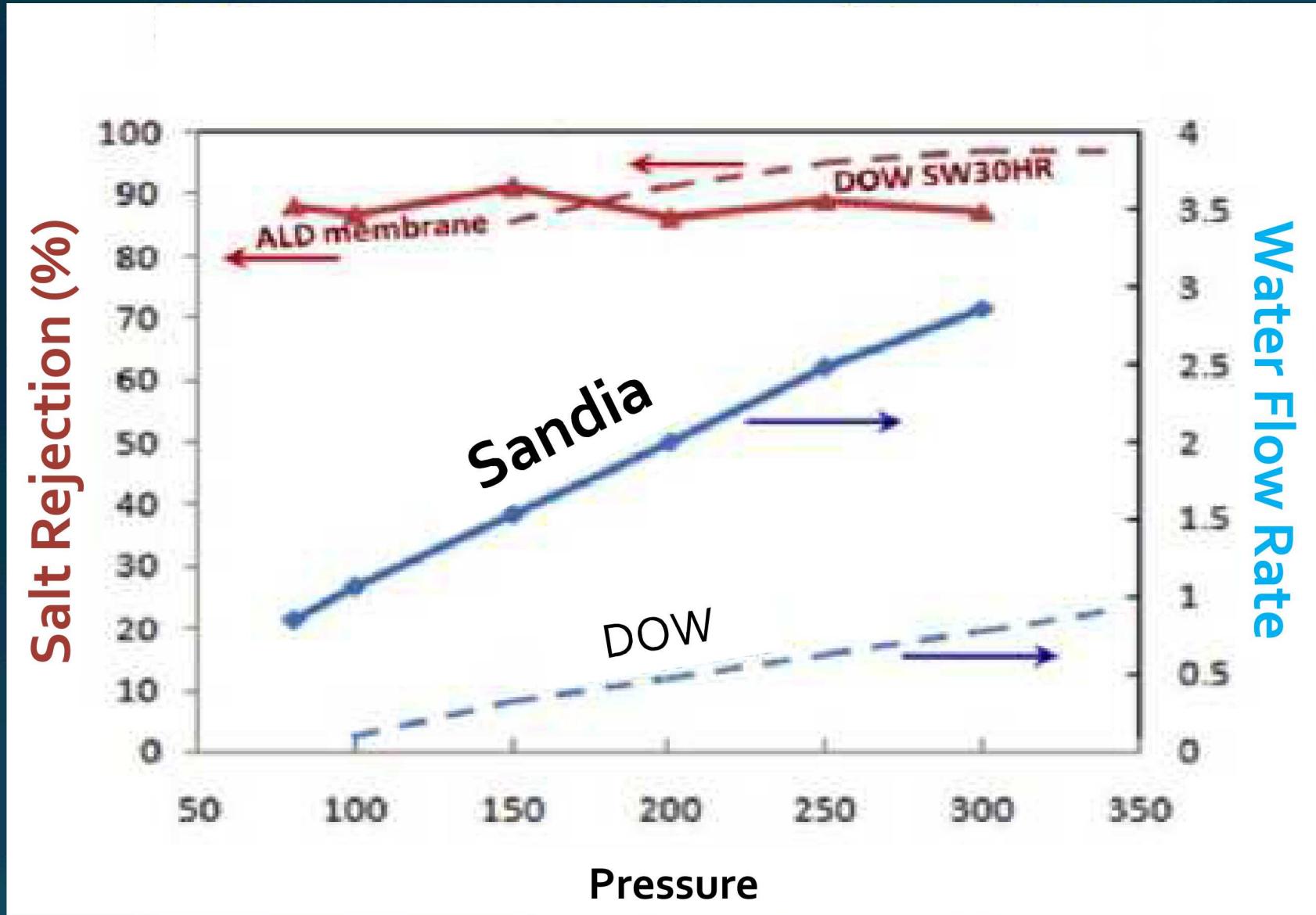
Our Bio-Inspired RO membranes can reduce the cost to produce fresh water

Plenty of Water in the Sea



Higher pressure = Higher cost

The Competition



Sandia RO membranes show **higher pure water flow rates AND comparable salt rejection** compared to commercial DOW membranes

Our Plan: Sell or license the technology

- Large scale (\$1 billion) desalination plant built in San Diego (2016)
 - More planned for California
- Worldwide Desalination Capacity: 2.5 Trillion gallons/yr (1999)

<https://www.mercurynews.com/2014/05/29/nations-largest-ocean-desalination-plant-goes-up-near-san-diego-future-of-the-california-coast/>

We Know Water

Stephen Percival Michael Melia



Team of dedicated SNL scientists and engineers

Combined decades of experience

2 awarded U.S. Patents

Patent # 10,130,916

Patent # 9,486,742

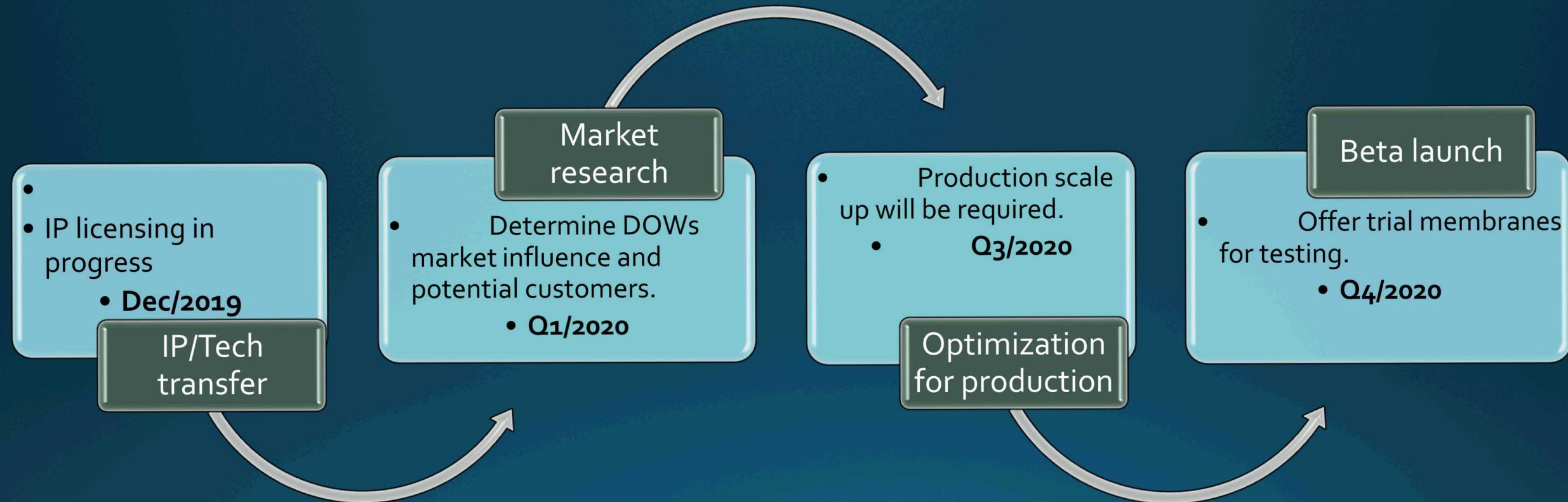


R&D100 award winner - 2011

Susan Rempe - Inventor



Our Vision...



This will require ~\$500,000 for labor and materials.

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Let's Tap The Oceans!