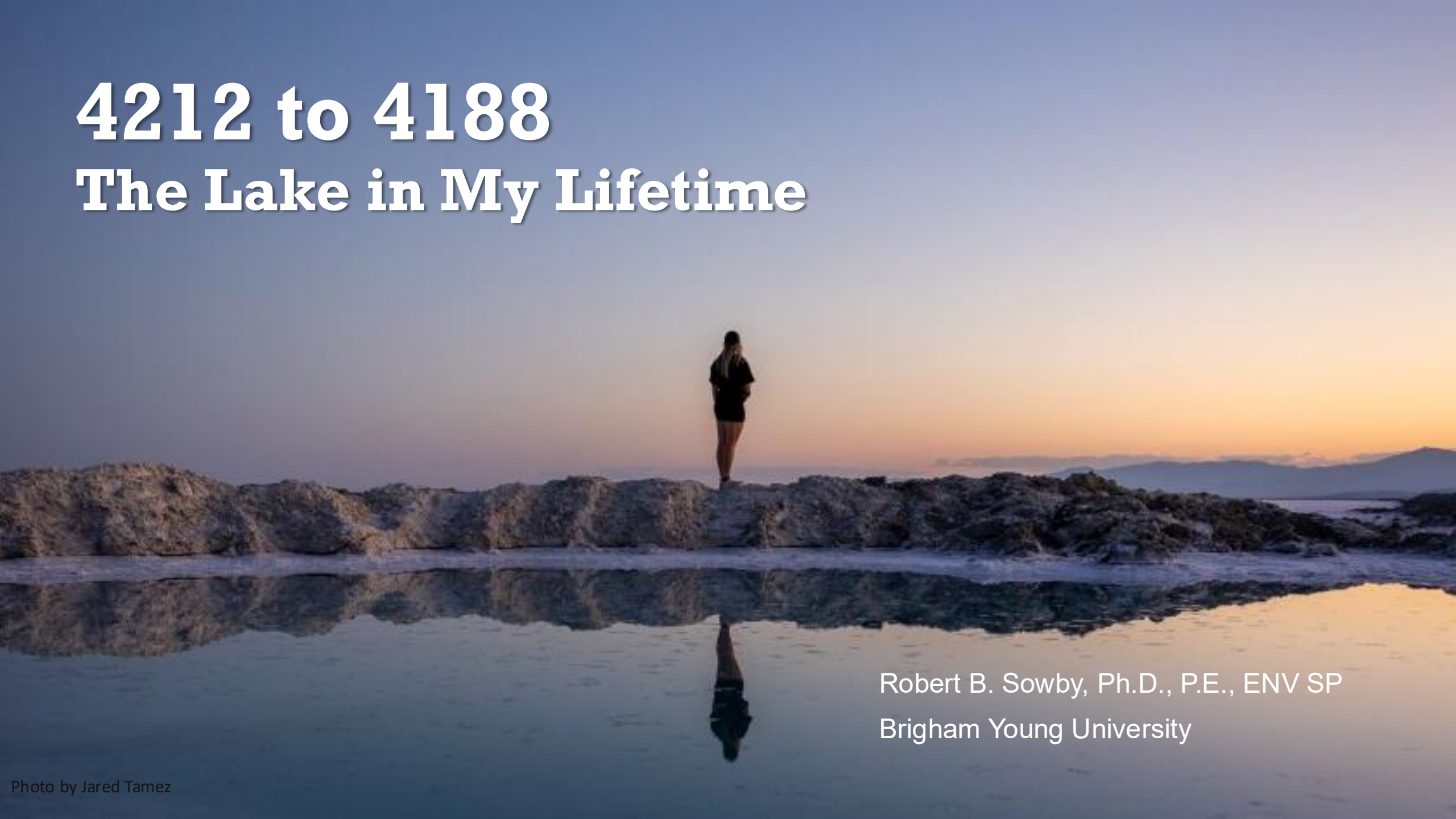


# 4212 to 4188

## The Lake in My Lifetime



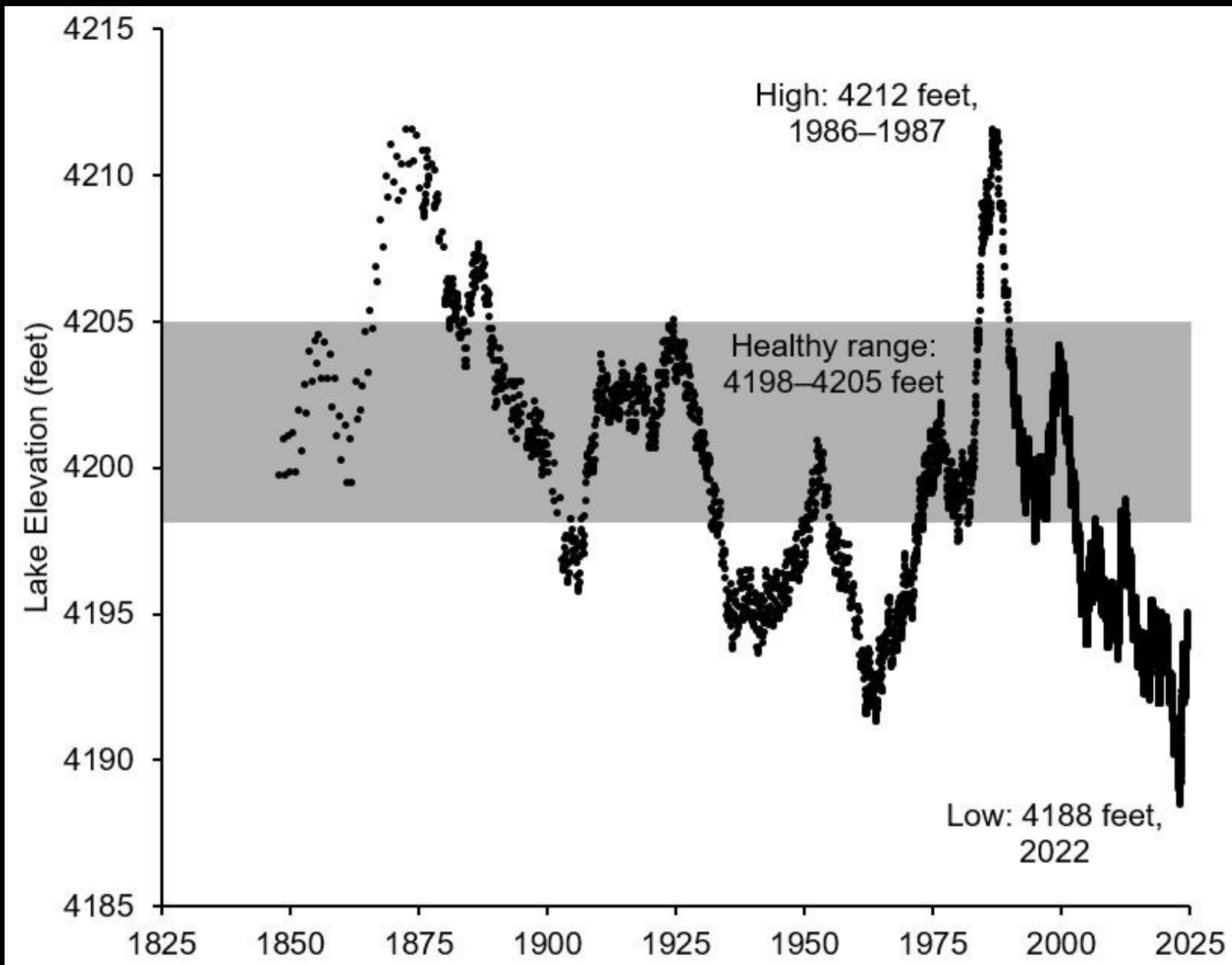
Robert B. Sowby, Ph.D., P.E., ENV SP  
Brigham Young University



**1986**  
Elev. 4212 ft  
2,300 mi<sup>2</sup>



**2022**  
Elev. 4188 ft  
900 mi<sup>2</sup>



An aerial photograph of a winding river in a salt flat landscape. The river flows from the bottom center towards the top center, curving to the left. The surrounding terrain is a mix of light-colored salt flats and patches of green and brown vegetation. In the background, a range of mountains is visible under a hazy sky.

# TERMINUS

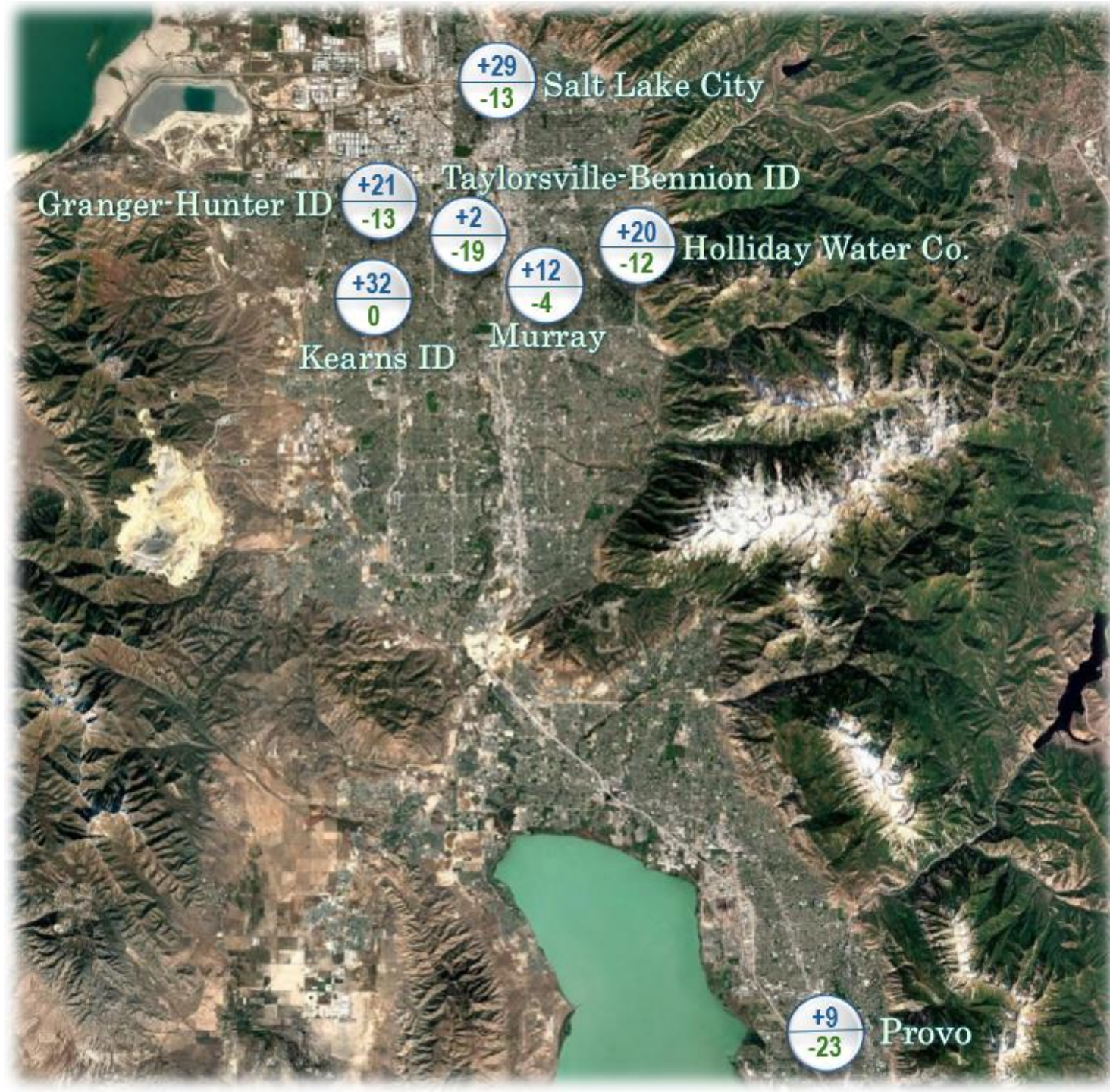
A Hydrobiographic Journey of  
Water Management in the  
Great Salt Lake Basin

Robert B. Sowby





## Successful Decoupling Data (2003 – 2023)

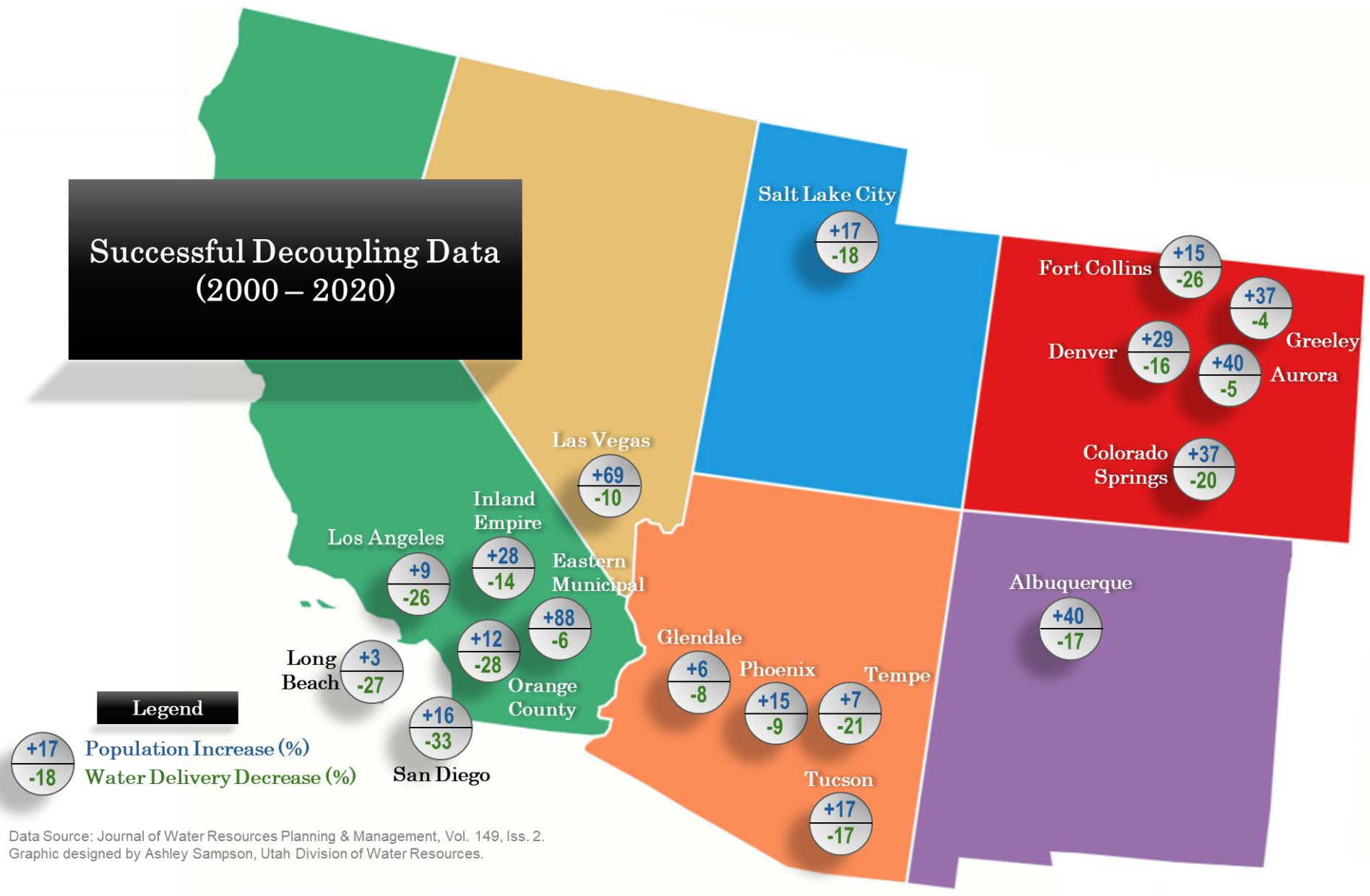


2003 Data Source: Utah Division of Water Resources, *Municipal and Industrial Water Supply and Uses in the Jordan River Basin, Salt Lake City, 2006*.

2023 Data Source: Utah Division of Water Rights, "Water Use Data" webpage, accessed September 16, 2024.

Graphic designed by Ashley Sampson, Utah Division of Water Resources.

# Successful Decoupling Data (2000 – 2020)



### Legend

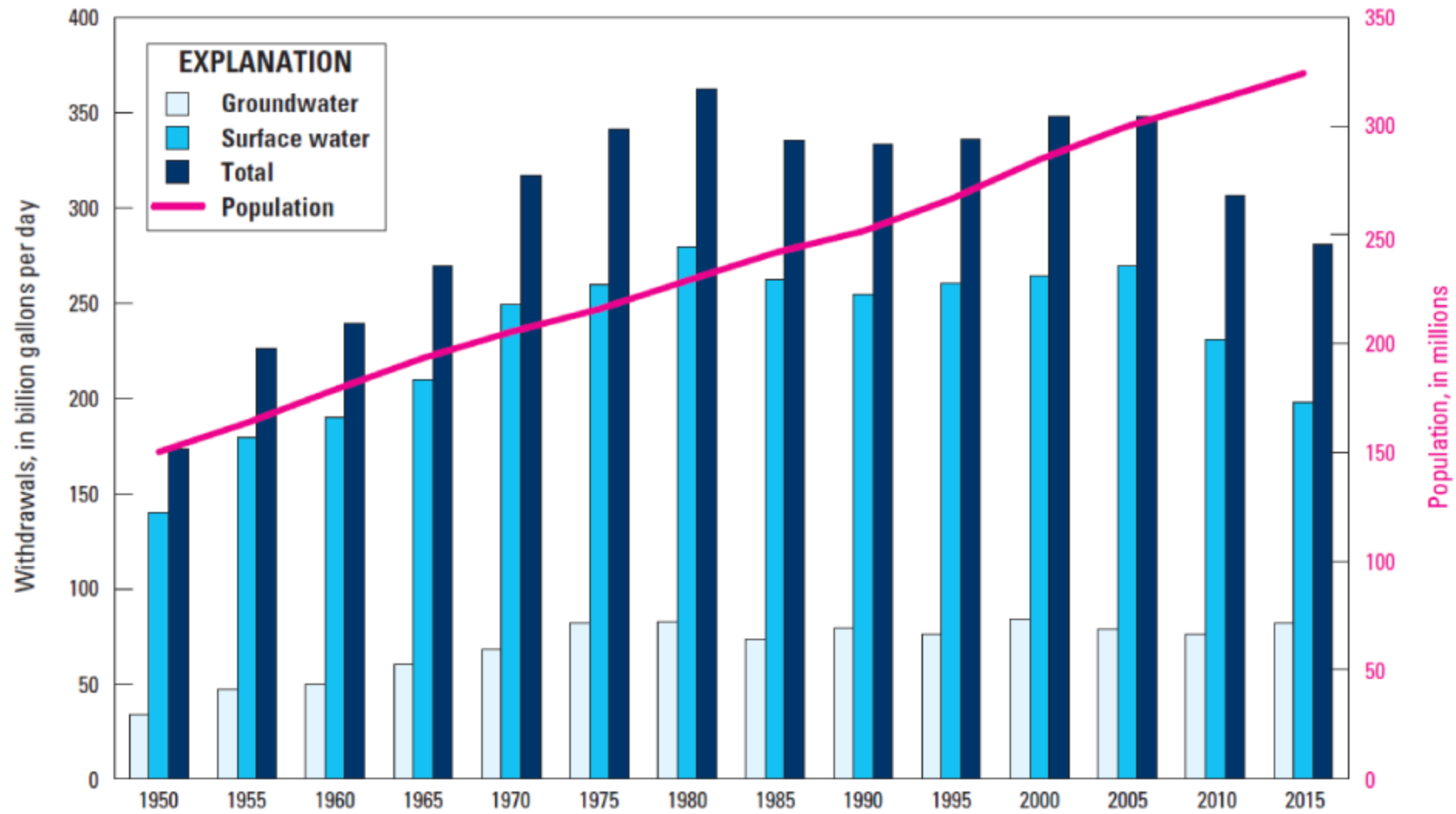
**+17** Population Increase (%)  
**-18** Water Delivery Decrease (%)

Data Source: Journal of Water Resources Planning & Management, Vol. 149, Iss. 2.  
 Graphic designed by Ashley Sampson, Utah Division of Water Resources.

Annual MGD



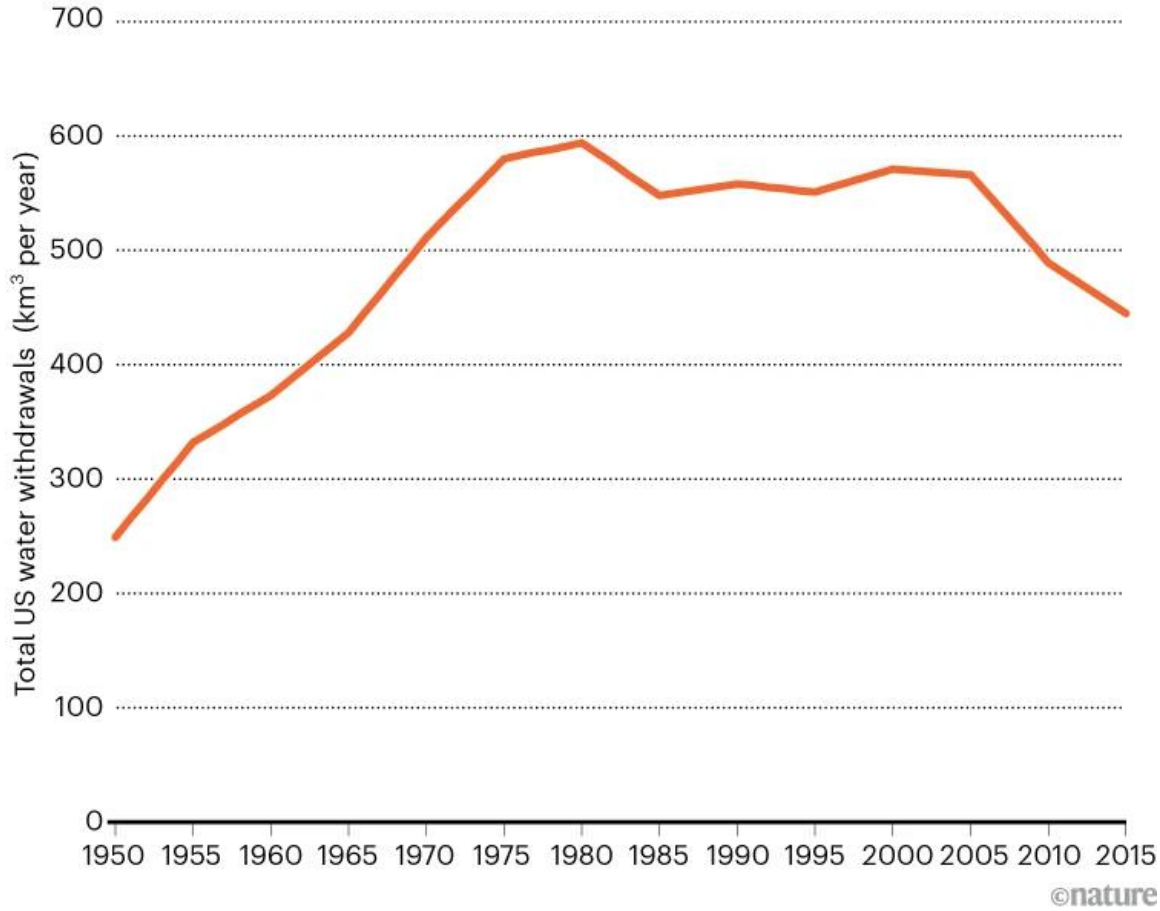
- Actual Consumption
- 1967 SWD Forecast
- 1973 RIBCO Forecast
- 1980 Complan Forecast Medium
- 1980 Complan Forecast Medium-Low
- 1985 Complan Forecast Medium
- 1993 WSP Forecast
- 1997 Revised Forecast
- 2001 WSP Forecast
- 2003 Official Forecast
- 2007 WSP Forecast
- Current Forecast



Trends in population and freshwater withdrawals by source, 1950–2015

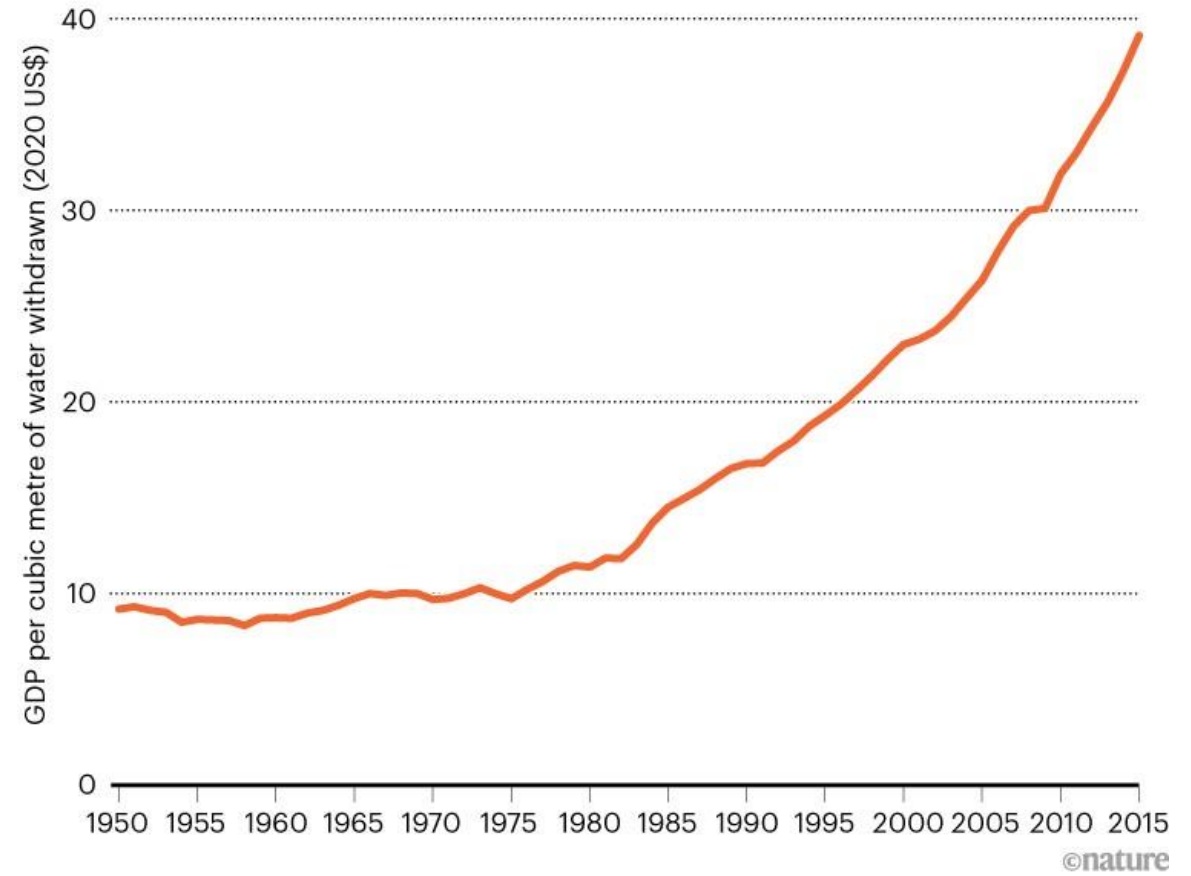
## A DIP IN USE

After a period of rapid increase in the decades after the Second World War, the use of water in the United States stabilized and has now even started to decline.



## DOING MORE WITH LESS

The US economy is becoming less dependent on water owing to advances in efficiency. This belies the claim that a reduction in water use will stymie growth.





# Thank You

Rob Sowby

[rsowby@byu.edu](mailto:rsowby@byu.edu)

**BYU Civil & Construction  
Engineering**

