

# Your City's Hidden Water Battery

Unlocking Sustainable Water Solutions

Presented by SaveOCEAN





# The Problem: Ignoring River– Aquifer Connections

**Floodwater waste and drained wells threaten coastal resources and sustainability.**

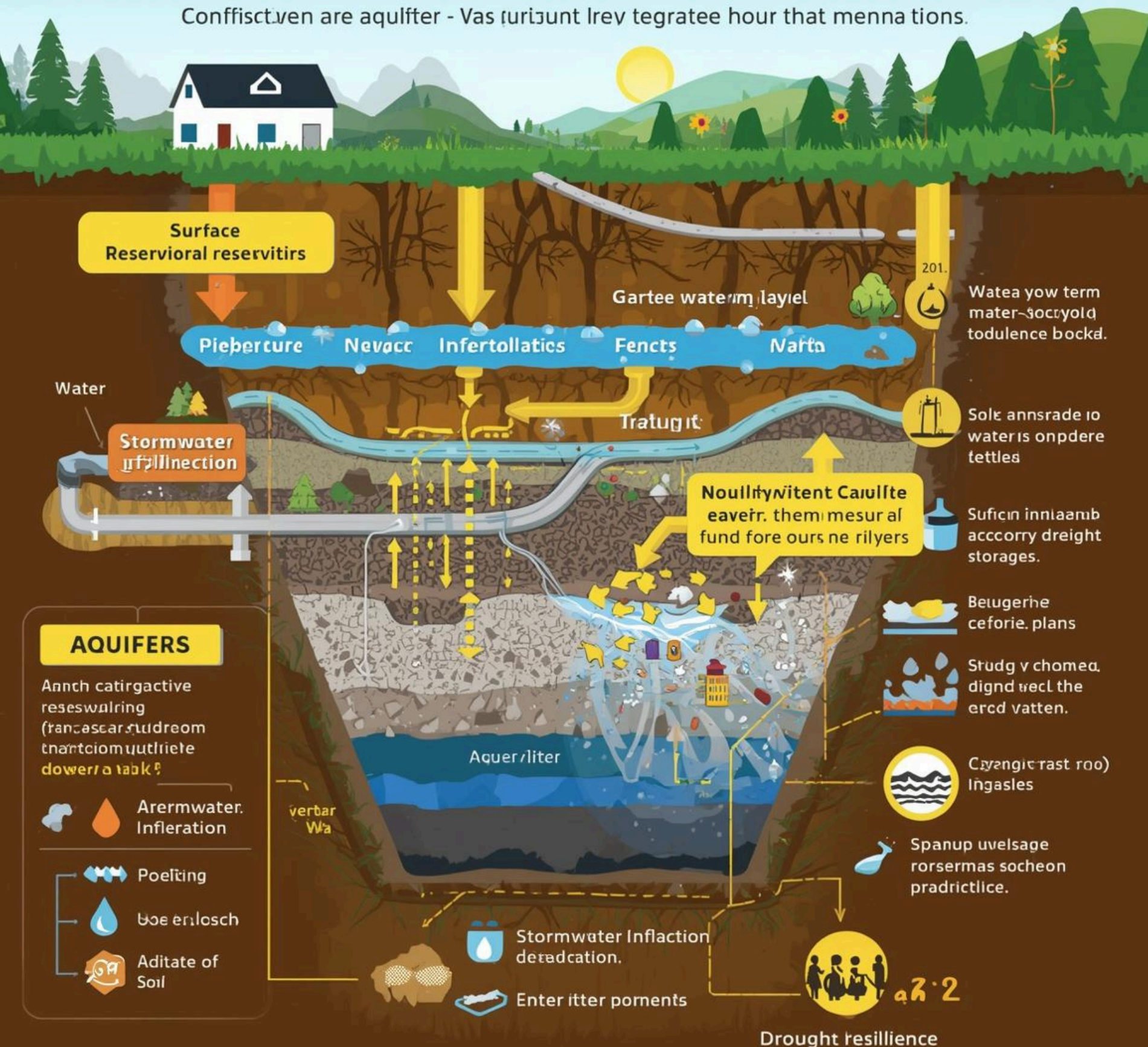
When rivers and aquifers are treated separately, we lose valuable floodwater and deplete our wells. This has dire consequences for coastal areas, where rising salinity and dwindling freshwater supplies put ecosystems and communities at risk.





# CONJUNCTIVE WATER SYSTEM

Conjunctive use is a water management strategy that integrates surface and groundwater resources.



## Conjunctive Water Management: Store Storm Flows Underground for Enhanced Drought Resilience

A sustainable solution to **maximize our water resources** and combat future droughts.



# How Managed Aquifer Recharge Works



<p>Wet Months</p> <p><b>Spreading water over fields and basins for absorption</b></p> <hr/>	<p>Seepage</p> <p><b>Water gradually infiltrates and replenishes underground aquifers</b></p> <hr/>	<p>Dry Months</p> <p><b>Careful pumping of stored water to meet demands</b></p> <hr/>	<p>Aquifer Replenishment</p> <p><b>Continued management ensures sustainable water supply through seasons</b></p> <hr/>
<p>During wet months, excess water is spread across fields.</p>	<p>This process allows water to seep into aquifers naturally.</p>	<p>In dry months, stored water is pumped to sustain usage.</p>	<p>This systematic approach ensures aquifers are replenished effectively.</p>





# Healthier Coasts Through Better Water Management: Reduced Runoff, Steadier Baseflow, Fewer Dead Zones

Preserving our coastal ecosystems through innovative water management strategies and sustainable practices.





# Proven Success in Water Management



## California

**Innovative water management strategies enhance aquifer recharge and sustainability.**

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In California, experts have pioneered methods for increasing groundwater levels effectively.

## India

**Successful implementation of conjunctive management for drought resilience in agriculture.**

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India demonstrates how integrated water management can significantly reduce drought impacts.

## Netherlands

**Advanced techniques for urban water sustainability and flood management are in place.**

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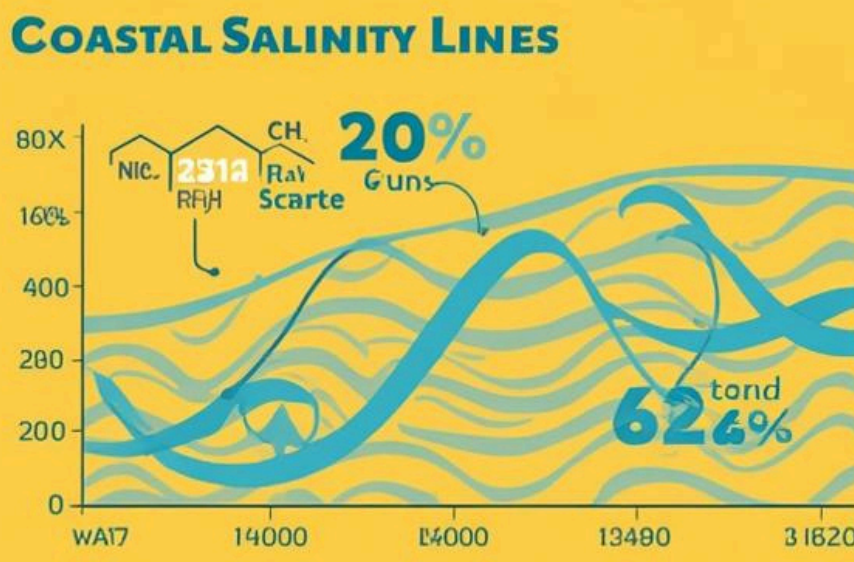
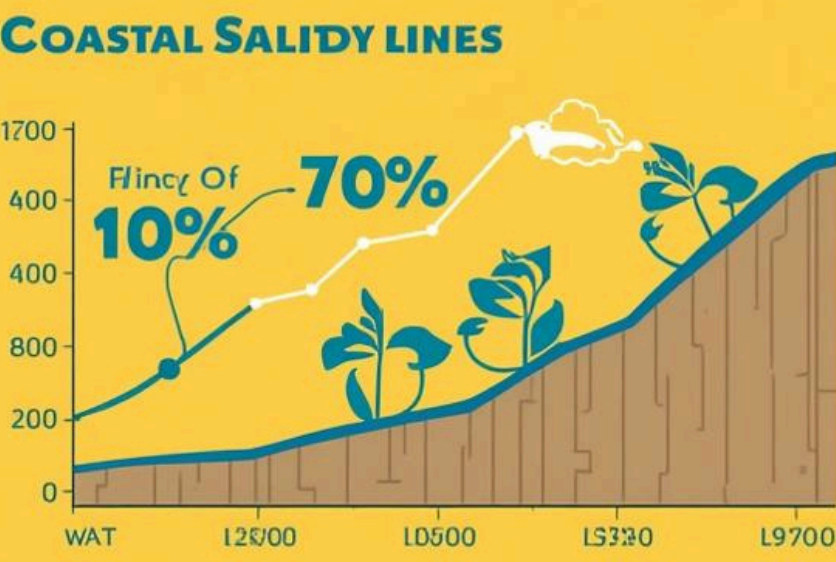
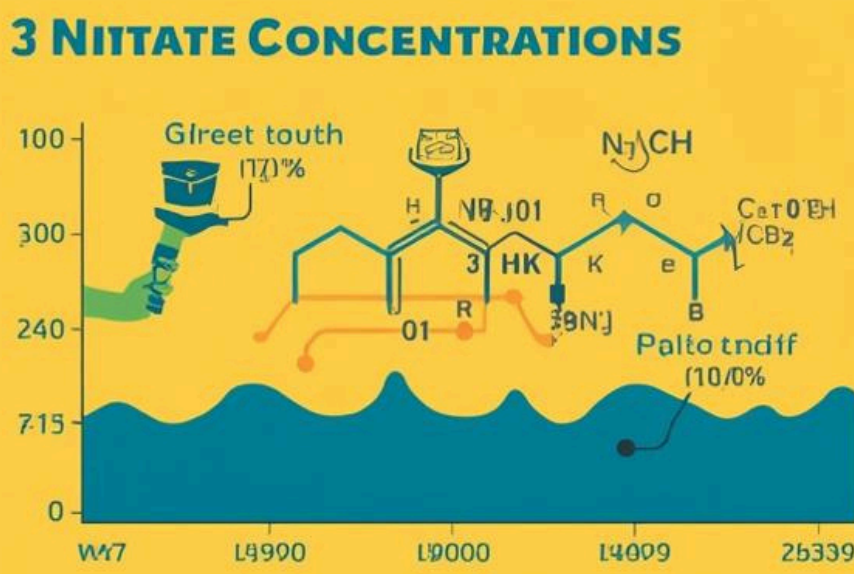
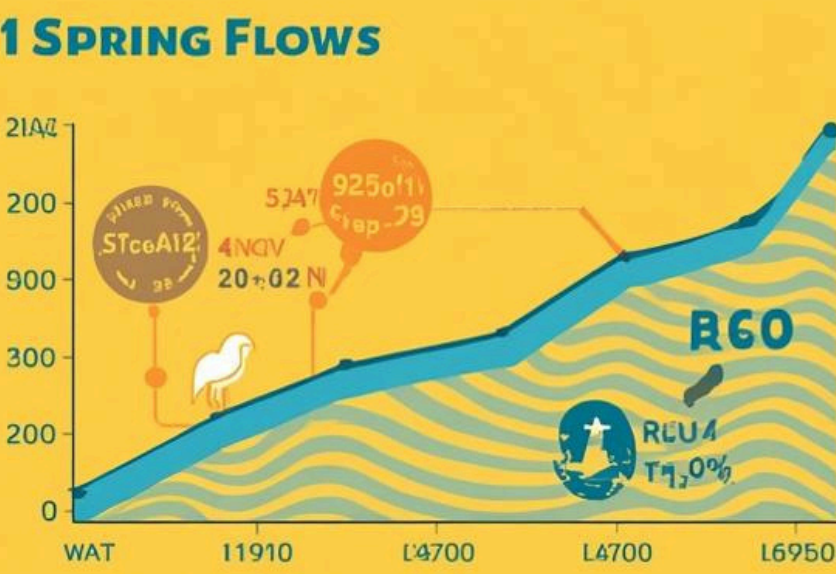
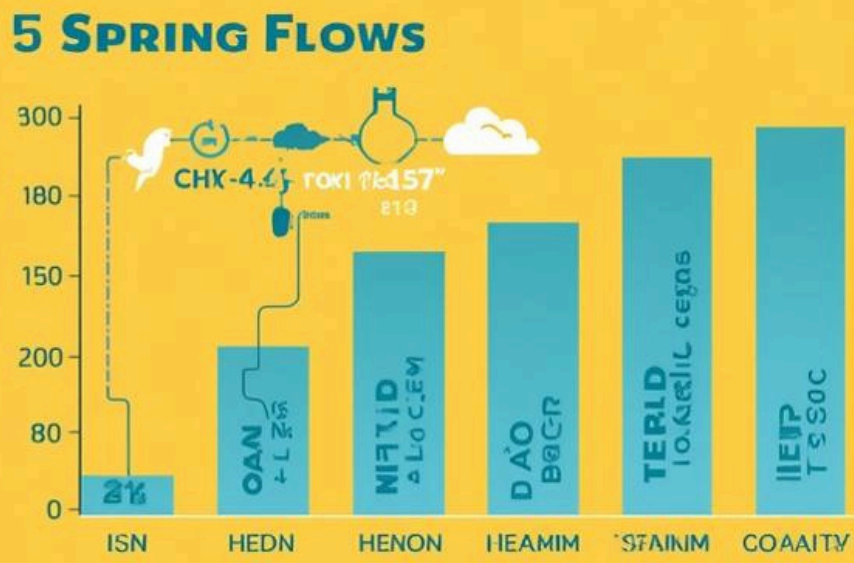
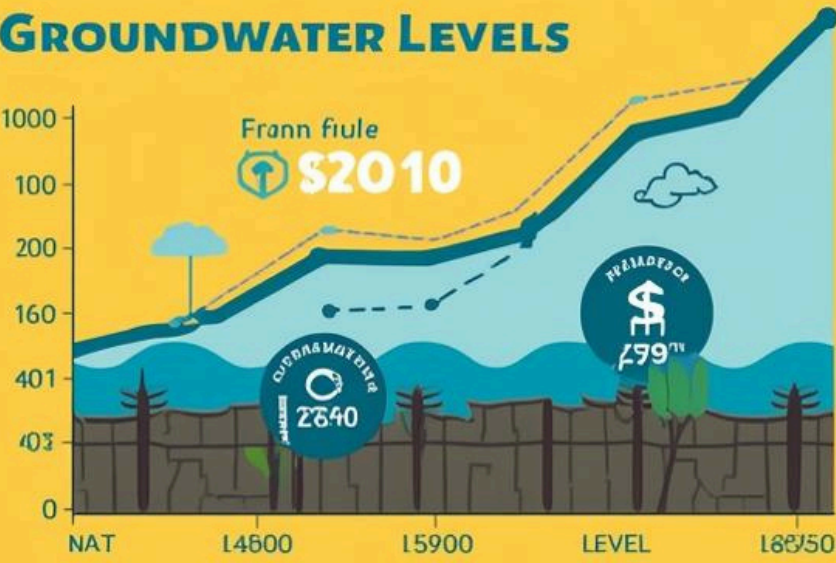
The Netherlands showcases urban adaptation strategies that promote water use efficiency.

## Global

**Worldwide collaboration to share best practices in water conservation and management.**

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Global cooperation is essential to tackle water challenges and ensure future sustainability.



Up to +4 m

near infiltration basins in a recent field deployment, with improved water quality after >3-month residence time.

55–66%

Site-specific modeling shows ~51–66% of recharged water appears as streamflow gains in the target reach at steady state

~0

Nitrate drops to ~0 in soils during Ag-MAR pulses (field trials).





# Take Action: Learn More

Comment “GUIDE” on our latest post and we’ll send it over.

**Contact us via email**

[ceo@saveocean.net](mailto:ceo@saveocean.net)

Storms are coming either way. Let’s store them for the dry days—and keep our oceans healthier in the process.

**Visit our website**

[www.saveocean.net](http://www.saveocean.net)

