



SCIENCE IS EVERYWHERE!

(CREATE MORE SPARKS BY WIDENING OUR WALLS)

Powerhouse Science Center is a place to explore the wonders, possibilities, and responsibilities (choices) of science



in OUR LIVES

Technology
Engineering
Health Sciences/
Human biology



on OUR PLANET

Earth Sciences
Local/ global systems
Ecology
Environmental Science



and BEYOND...

Astronomy
Space Sciences

Exhibit Experience at Powerhouse

Our exhibitions will explore the science in our lives, on our planet, and beyond. We will offer a mix of experiences to appeal to visitors of different ages, interests, and learning styles. They will engage visitors in an exploration of three questions that are central to our mission:

Why? (Wonders)

Why does it rain as clouds move over a mountain range? Why do stars twinkle in the night? Why does my DNA mutate in the sun?

Questions like these reveal the wonders hidden in the patterns and phenomena of science around us.

How? (Possibilities)

How do we get water to parts of the country where it doesn't rain as much? How can we build better telescopes? How can we change DNA in our bodies?

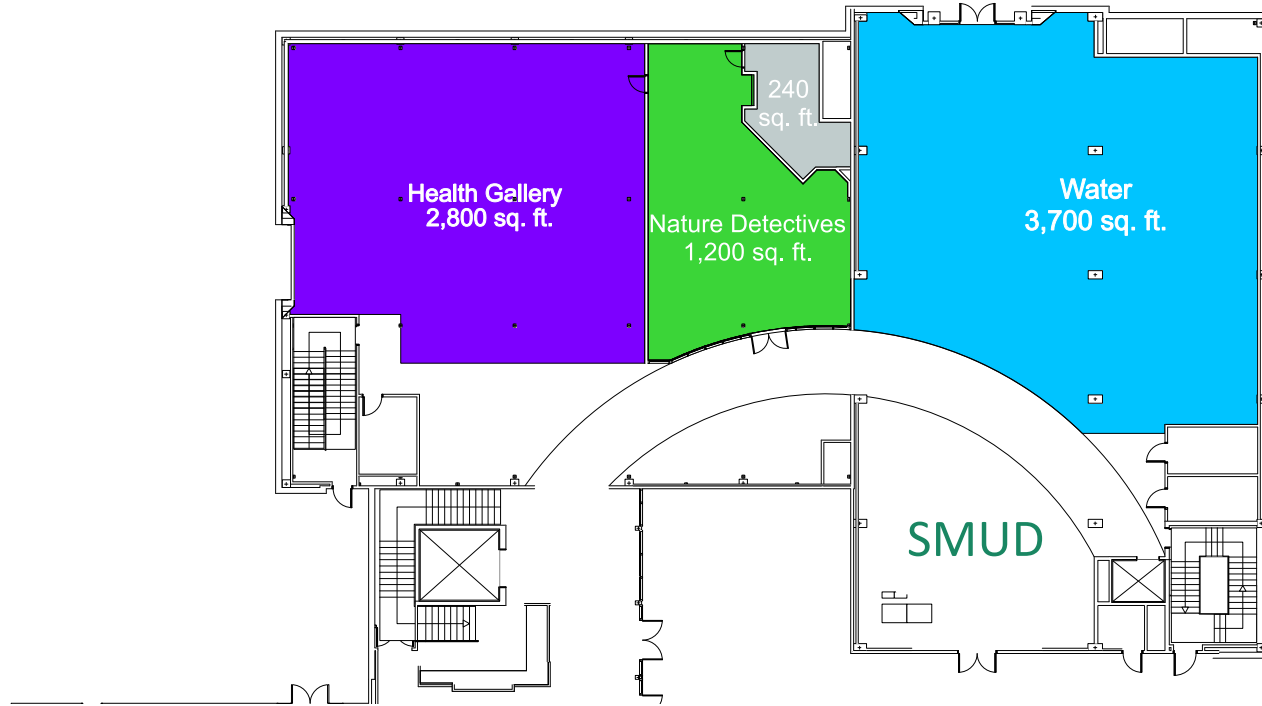
By asking how can we alter our world we can develop new types of engineering, innovation, and technology.

Now what? (Responsibilities)

Now that we see how water is becoming more scarce, what should we do? Now that we can go to the moon, is it a good idea to set up colonies there? Now that we can alter the DNA of crops, what are the consequences if we do?

Our actions have consequences. By asking questions about choices that will be necessary for us to make, we can start to consider the pros and cons to decisions that will impact us directly and indirectly.

First Floor Historical Building



Second Floor Historical Building

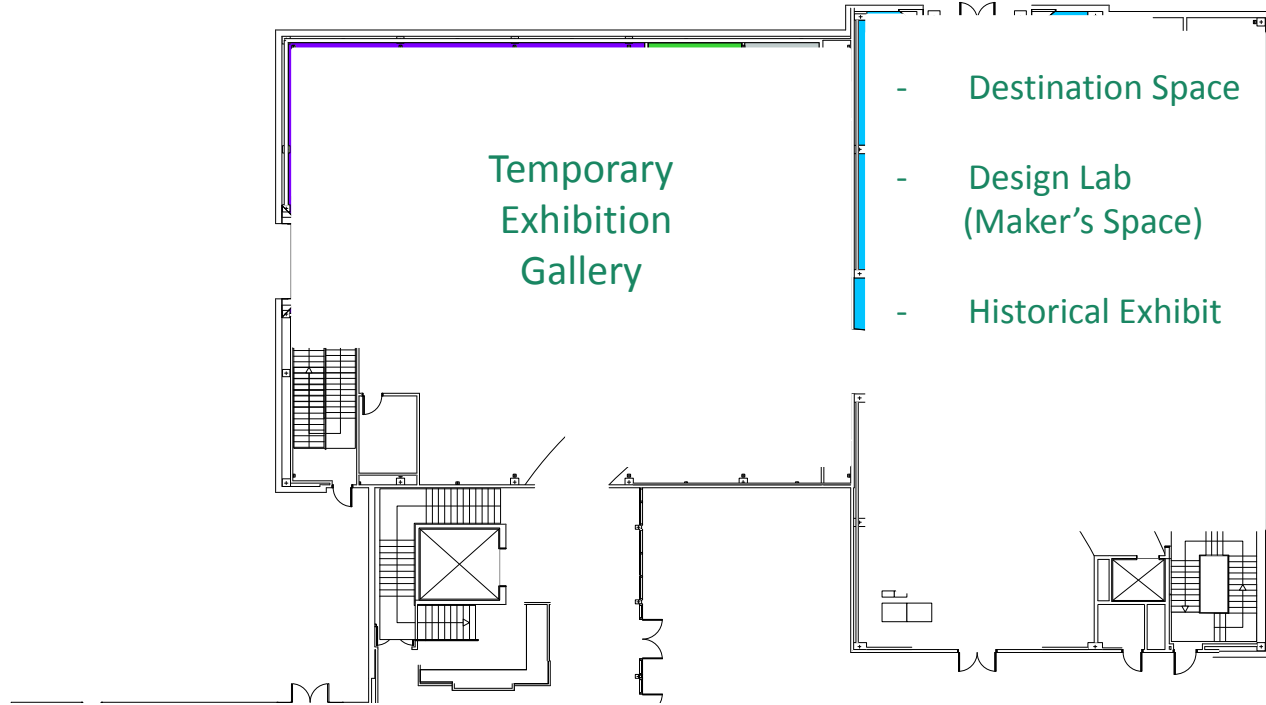


Exhibit Design Process: What is it and where are we?

Exhibit Design Process

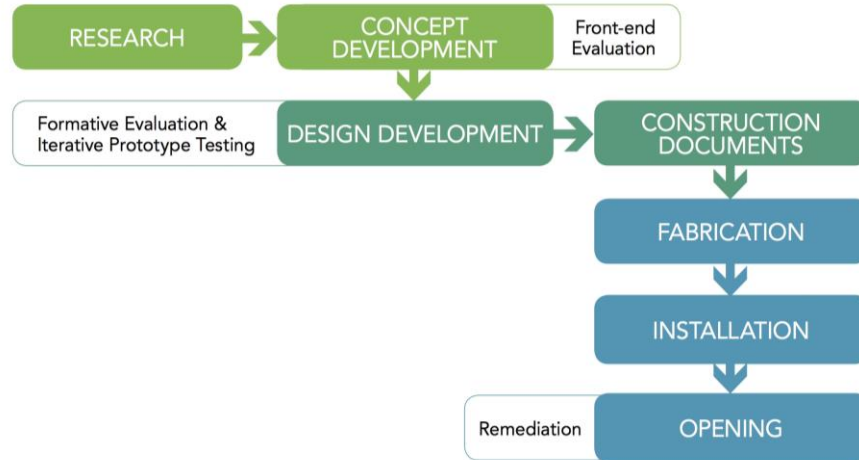
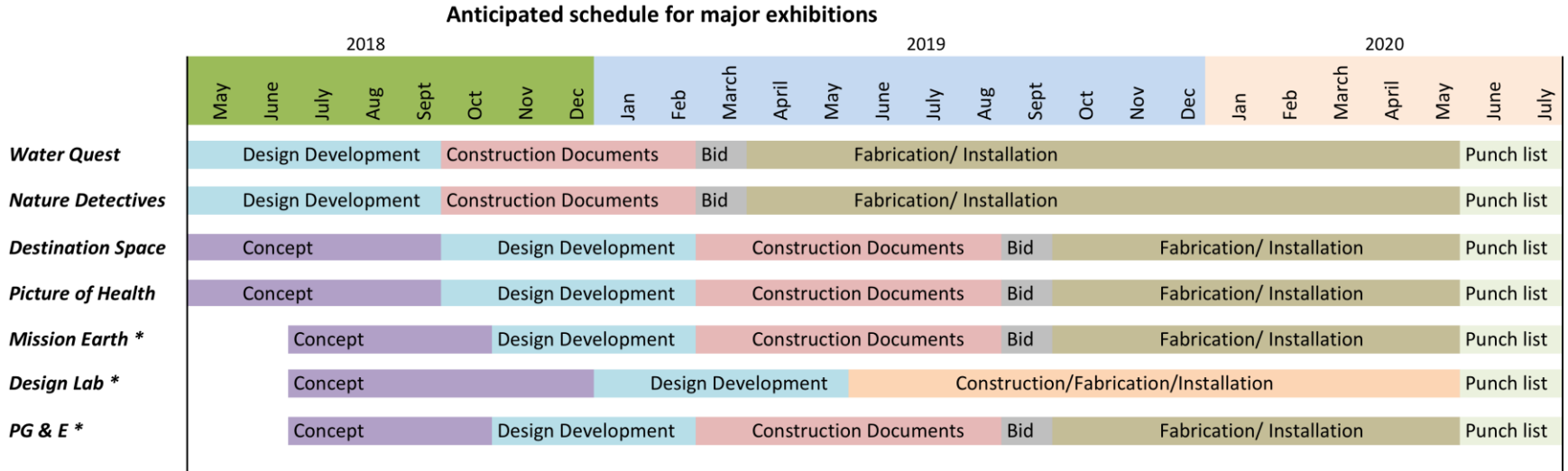


Exhibit Design Process: What is it and where are we?



* schedule has not been finalized

Water Quest: The Story of California Water

Explores the intersection of human and natural systems as it related to our water usage.



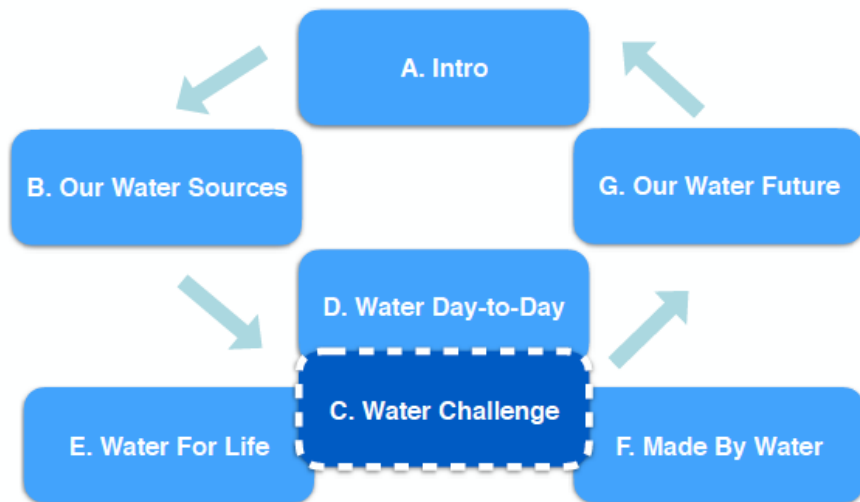
Exhibit Approach

This exhibit uses local and personal examples as an entry into larger universal / global water topics.

The *Intro* connects visitors to the many uses of water in California. Our water sources highlights where California's water comes from.

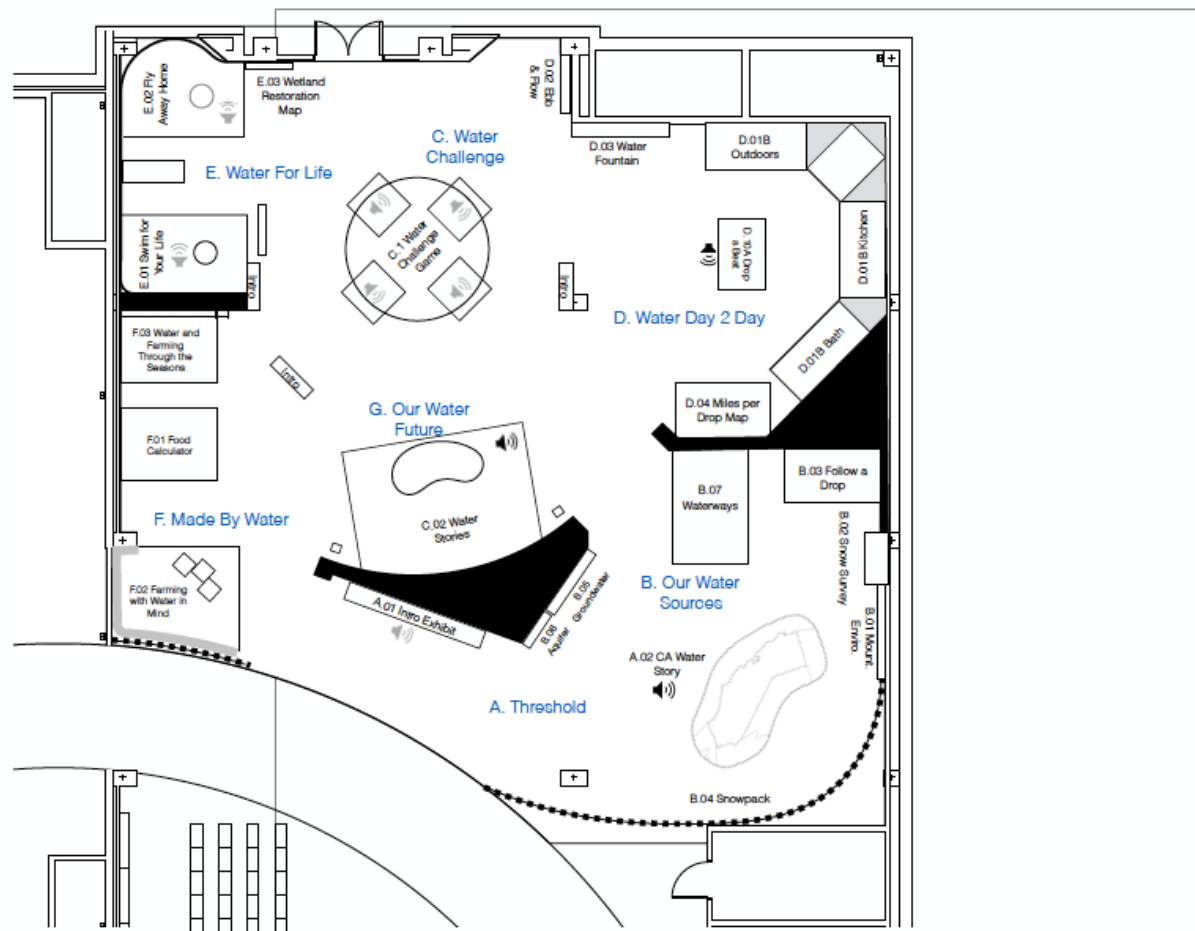
Three core sections - *Natural Water Systems*, *Made by Water*, and *Water Day-to-Day* - address where and how we use water in California. *Water Challenge* is an integration of concepts from the core areas, creating a space where visitors can begin to balance the challenges of meeting all of these water needs.

Our Water Future is a place where visitors learn about innovative partnerships that are making a difference in California, and invites visitor to continue to engage with water related choices beyond the exhibition experience.



Choices and innovations will be threads throughout.

Floor Plan

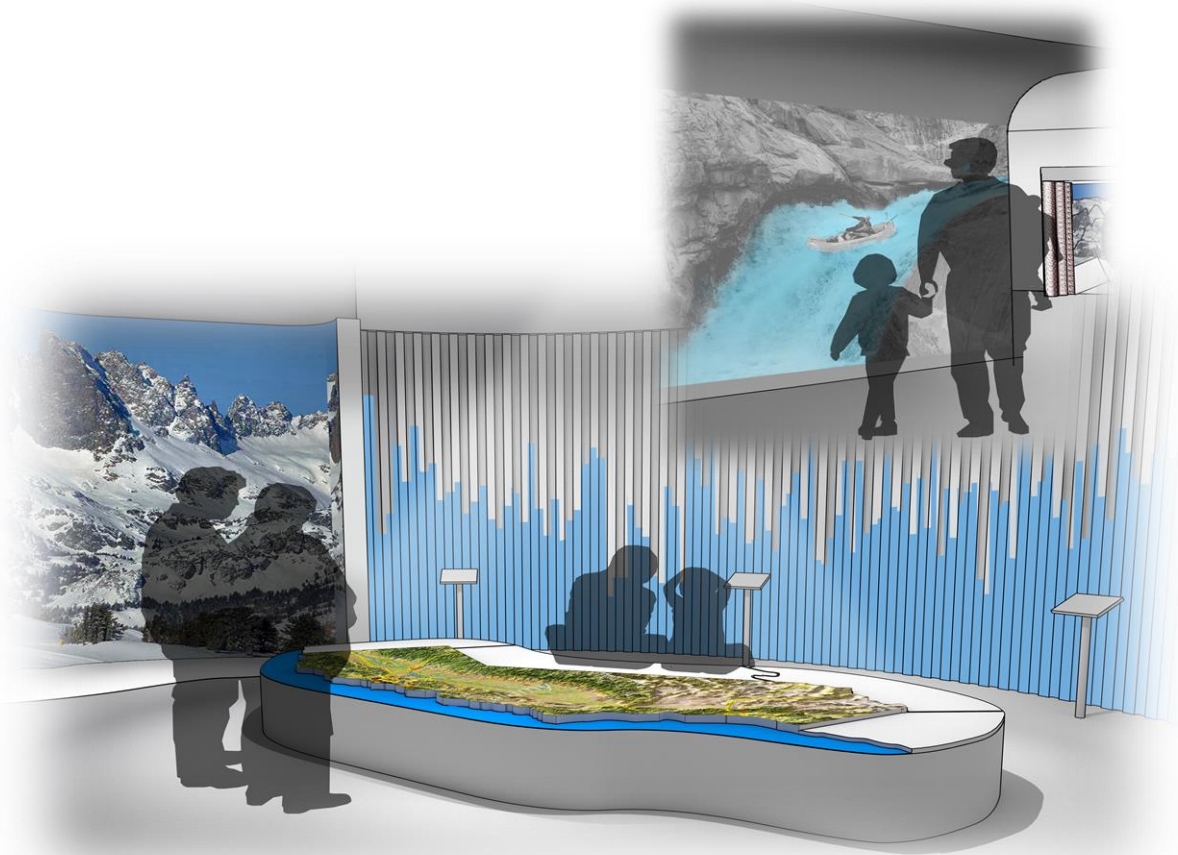
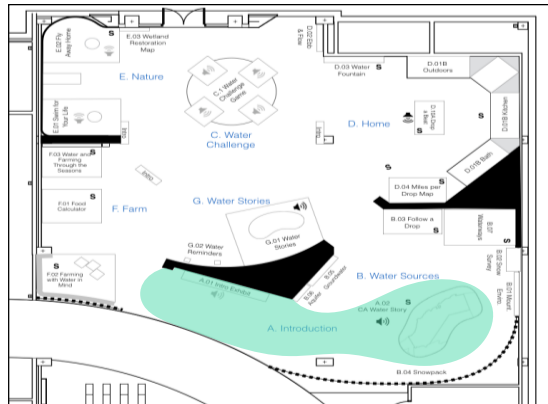


A. Introduction

Area Description

The way we think about water in California is different from many other places.

This area challenges visitors to think a little differently about their water and provides an overview to the California water story while setting up the four core areas of exploration.

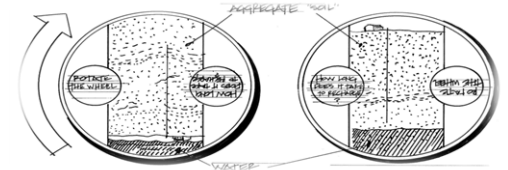
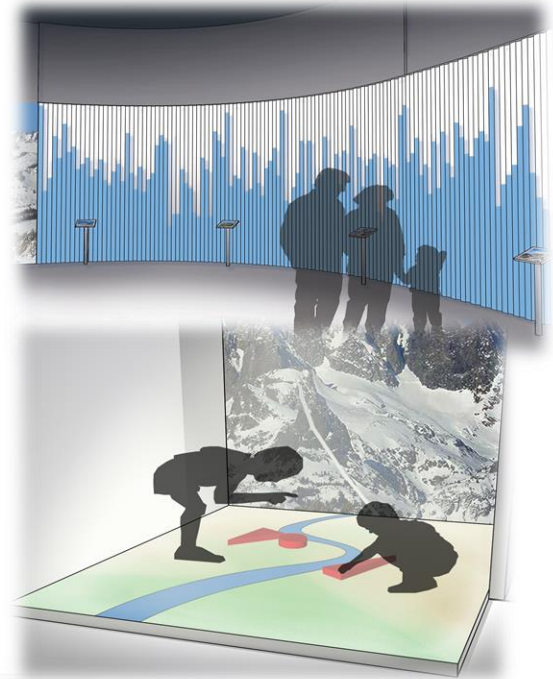
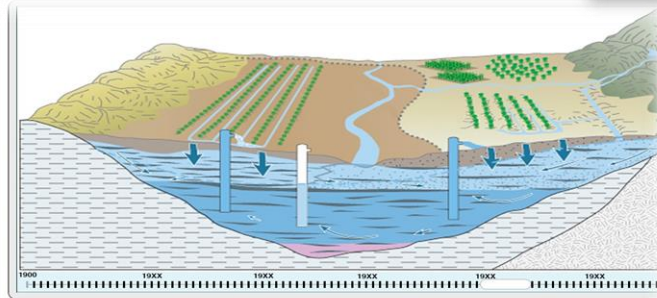
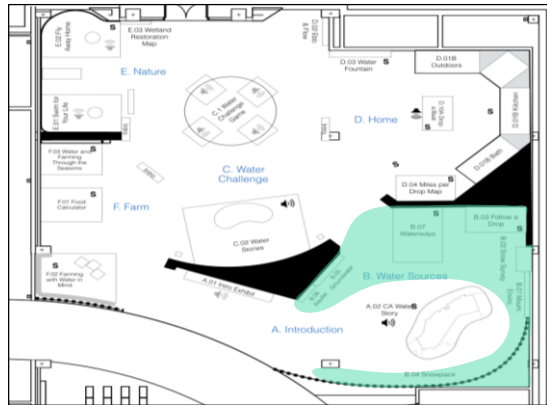


B. Water Sources

Area Description

How does water get to our faucets?

This area explores the science, innovation, and choices that shape our natural water supply in California. It also traces the complex series of natural and human made features that delivers water to our region.

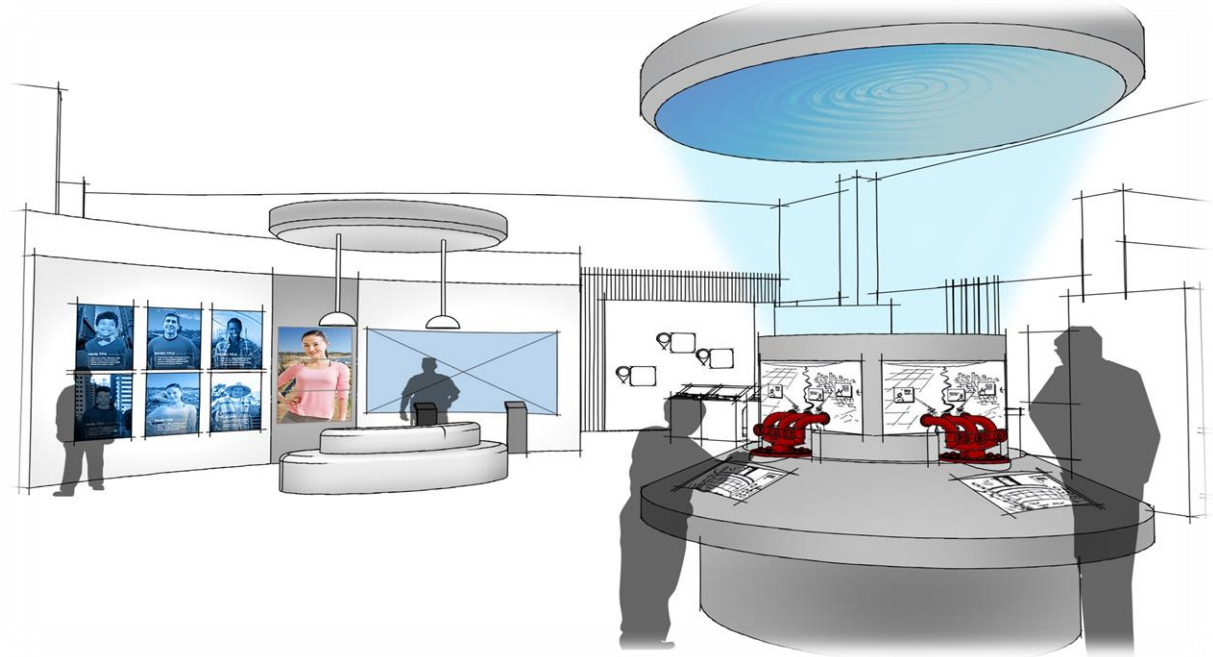
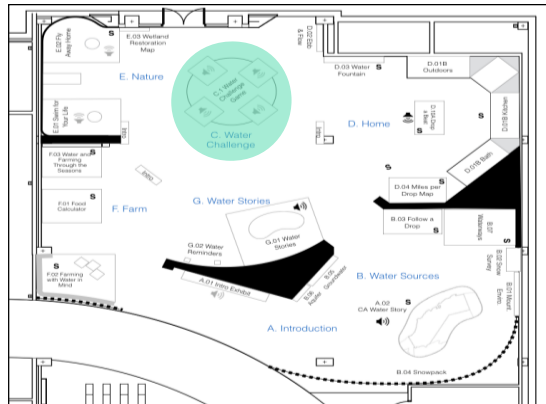


C. Water Challenge

Area Description

Water is vital to everything we care about.

This section integrates concepts presented in *Natural Systems, Made by Water*, and *Water Day-to-Day* to create a place where visitors can understand the challenges of supplying water to all of California.

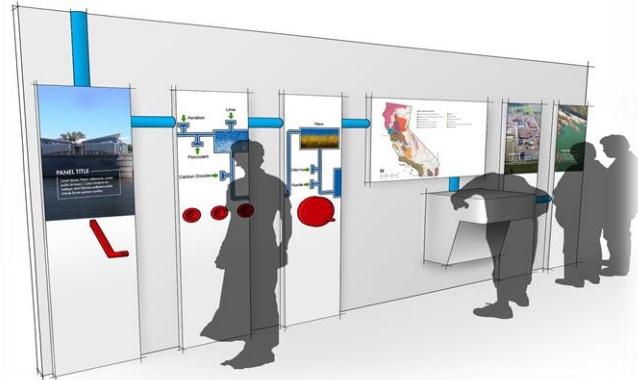
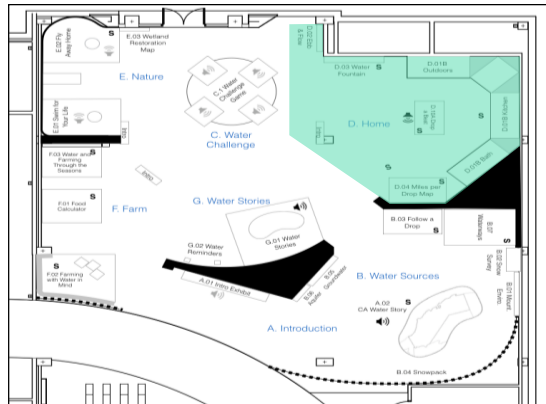
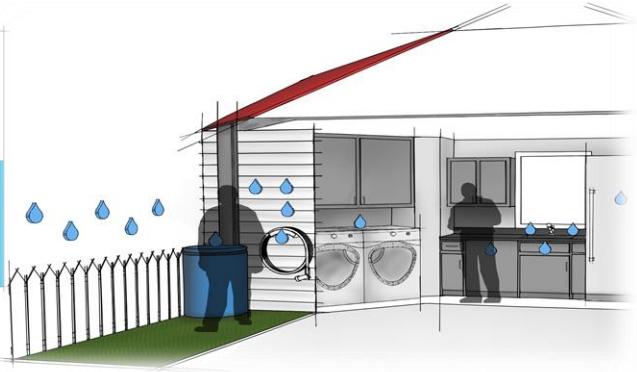


D. Day To Day Water

Exhibit Description

How does water get to my home and what's impact of how I use it?

This area examines how we use water in the home and challenges some assumptions visitors may have about reducing our water footprint. It also exposes the technology necessary to create the infrastructure to bring water to our taps.



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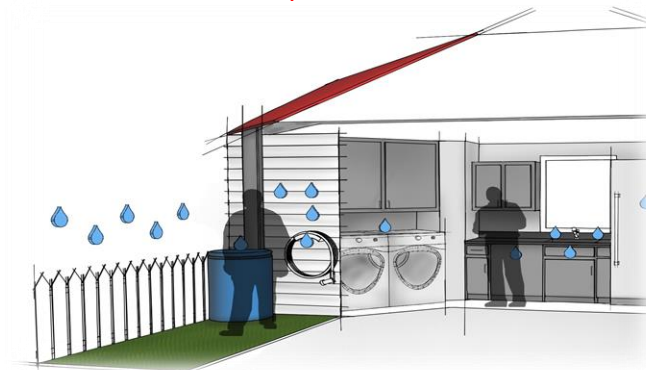
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RWA sponsored exhibits



Drop a Beat



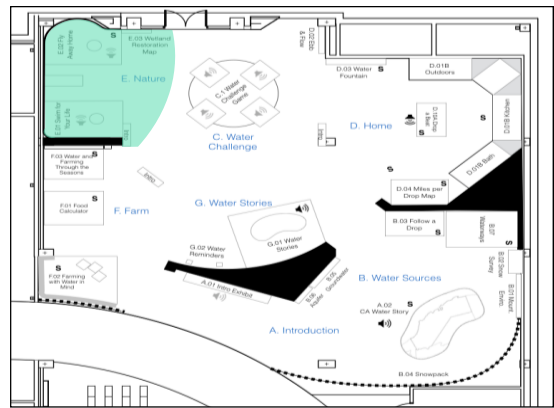
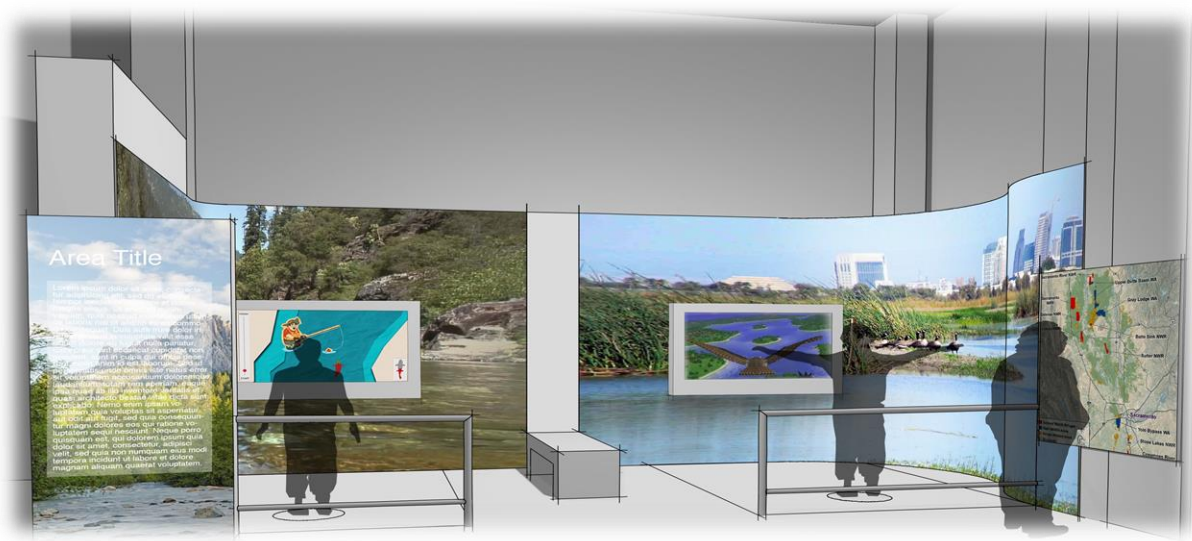
Home Water Detective

E. Water For Life

Area Description

In order to live sustainably on our planet, we must find ways to create human systems that minimize impact on ecological systems.

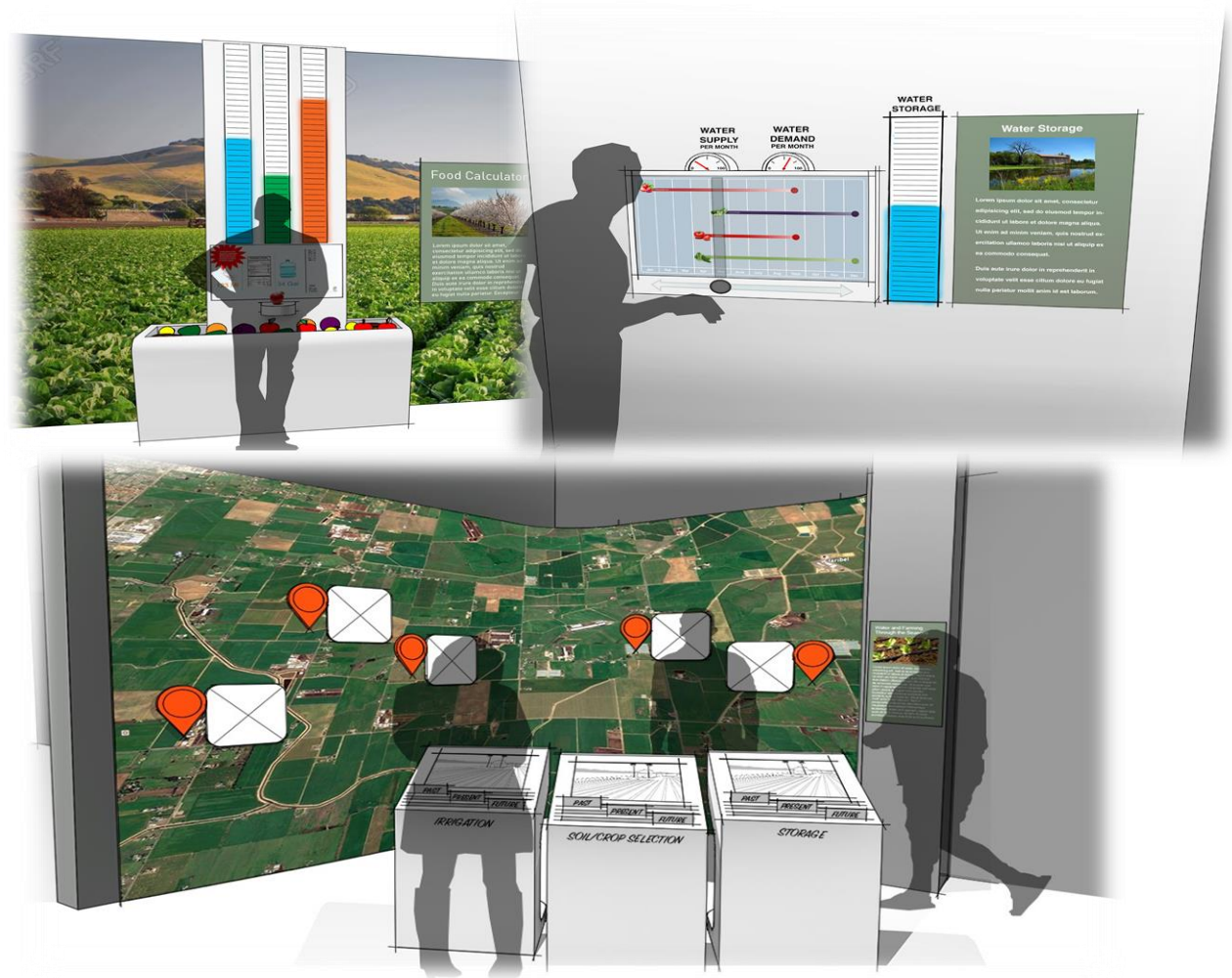
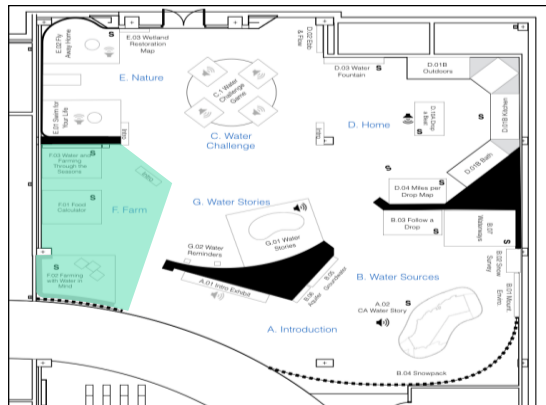
This area explores the importance of protecting aquatic environments and examines how humans can be more innovative in supporting both natural and human needs.



Area Description

We don't just use water to drink or bath in. Everything we eat and products we use all require water.

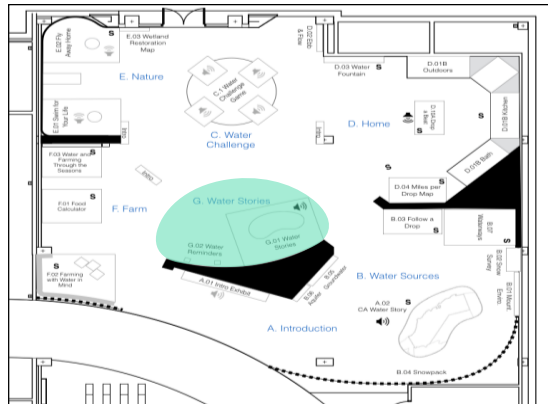
California produces food and products for our state, country, and the world. In this section, visitors develop an awareness and appreciation for the water footprint of foods that they eat and the products they use.



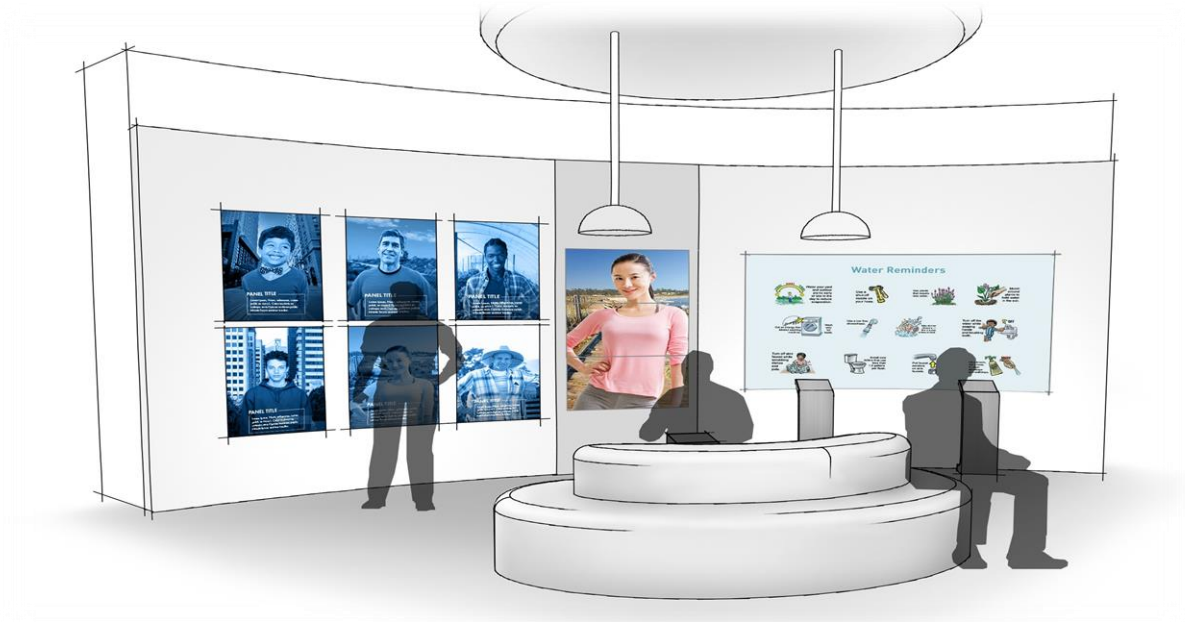
Area Description

California has always been an a state of innovation. How can we be more innovative about our water use?

In this concluding area, visitors learn how others have thought differently about water in California, and what action they have taken to keep water flowing in our future. They are also prompted to think about what they might want to do differently after they leave the exhibition.



RWA sponsored exhibits



Water Stories, Water Reminders