

EQUITY IN CALIFORNIA OCEAN ACCESS & MANAGEMENT



Infographic: Manuela Diaz

AGENDA

PROJECT INTRODUCTIONS

Why we are here
Overview of project & Ocean Access Survey

GROUP INTRODUCTIONS

name, where are you from, what connects you to the ocean or brings you here today

Section 1

Barriers to Ocean Access

BREAK

Section 2

Marine Protected Areas & Management

Section 3

Changing Oceans

15 Minutes

10 Minutes

65 Minutes

10 Minutes

40 Minutes

25 Minutes

GROUND RULES & EXPECTATIONS OF THE WORKSHOP

Goals:

Share with you
about ocean
access survey.

Help us
understand
HOW & WHY of
survey results

CO-DESIGN
solutions for the
access
(more about this
later)

We'll be taking
notes, and
recording our
discussions.

All of the data
will be
anonymous.

You're free to
leave if that
makes you
uncomfortable.

We want to
spark
creativity!

And think
outside of the
box!

Safe space
(no judging)

Keep the
objective in
mind:

*Advising ocean
managers*

PROJECT INTRODUCTION



Problem statement:

Oceans and coasts help sustain the livelihoods and wellbeing of millions of people across the California coast, yet not everyone is able to access and or benefit from these resources equally.

Goal:

Determine how can managers can increase the benefits that ocean and coastal areas provide for EVERYONE and better engage communities underrepresented in collaborative management processes

PROJECT LEADERS



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INTERN



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Emma Gee



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UNIVERSITY OF CALIFORNIA
SANTA CRUZ

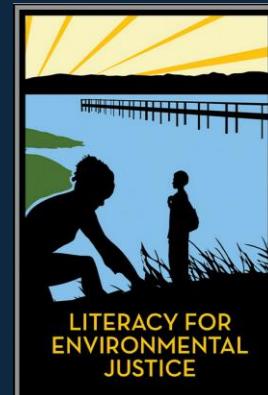
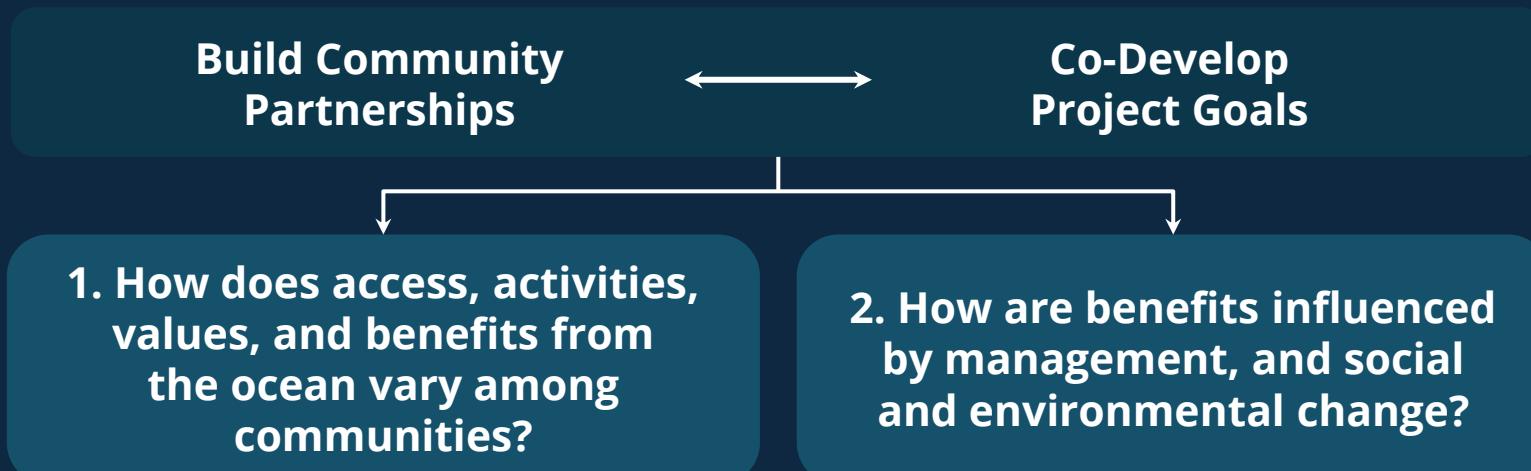


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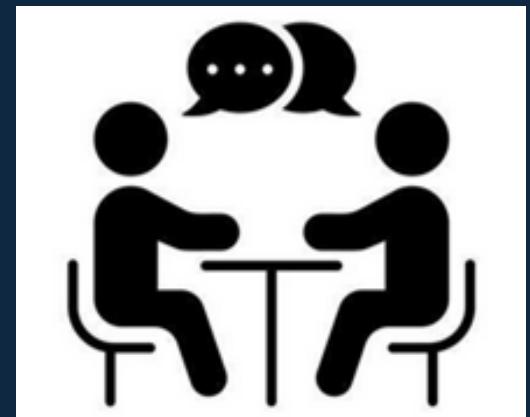
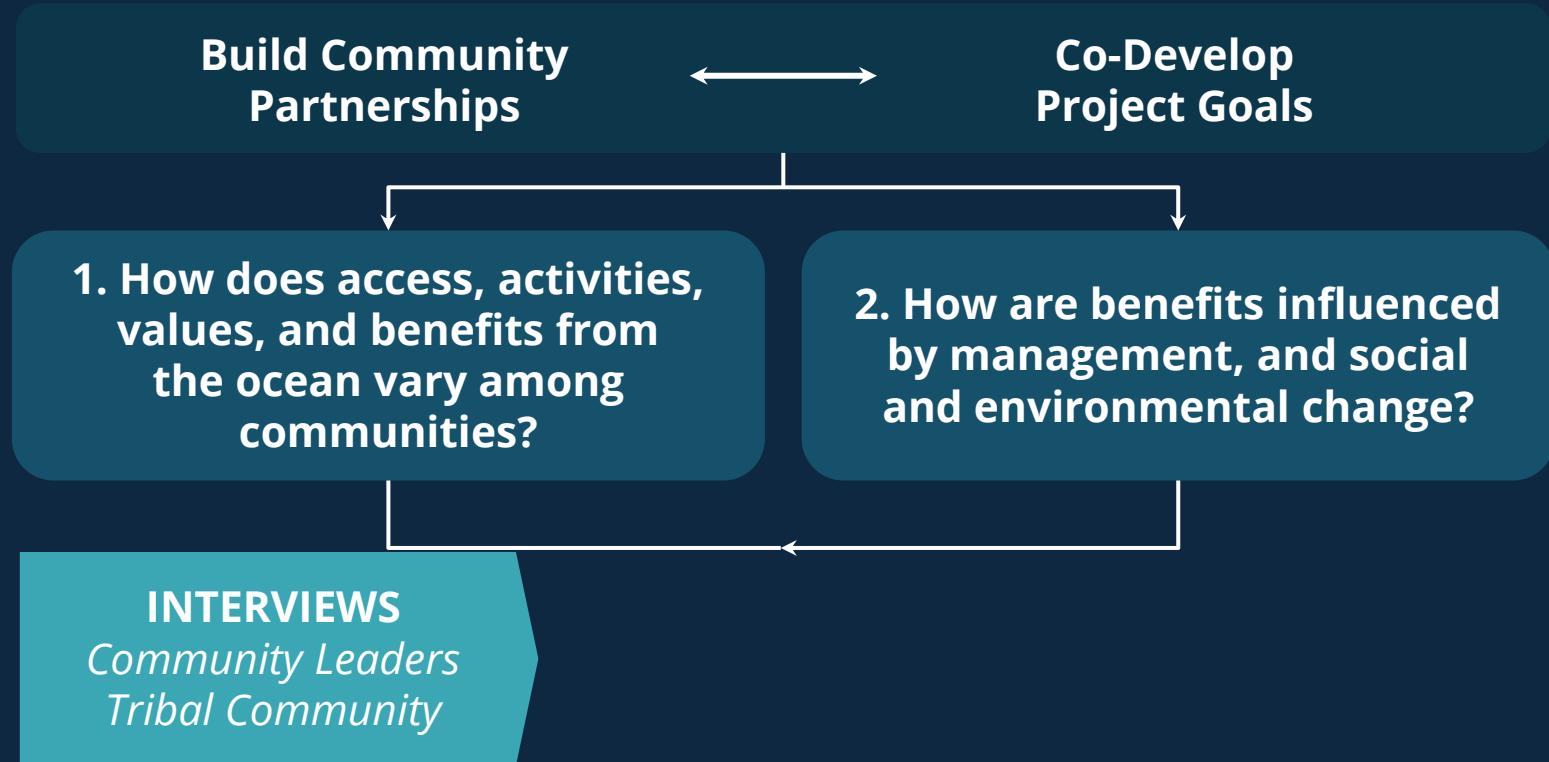
Goal: Understanding Access & Benefits from Ocean, Coasts, Bays

Community Engagement
Goals



Goal: Understanding Access & Benefits from Ocean, Coasts, Bays

Community Engagement
Goals
Methods/
Tools



Goal: Understanding Access & Benefits from Ocean, Coasts, Bays

Community Engagement
Goals
Methods/
Tools



UC SANTA CRUZ

English

Next we will ask you about how you value and benefit from the ocean and coasts IN CALIFORNIA.

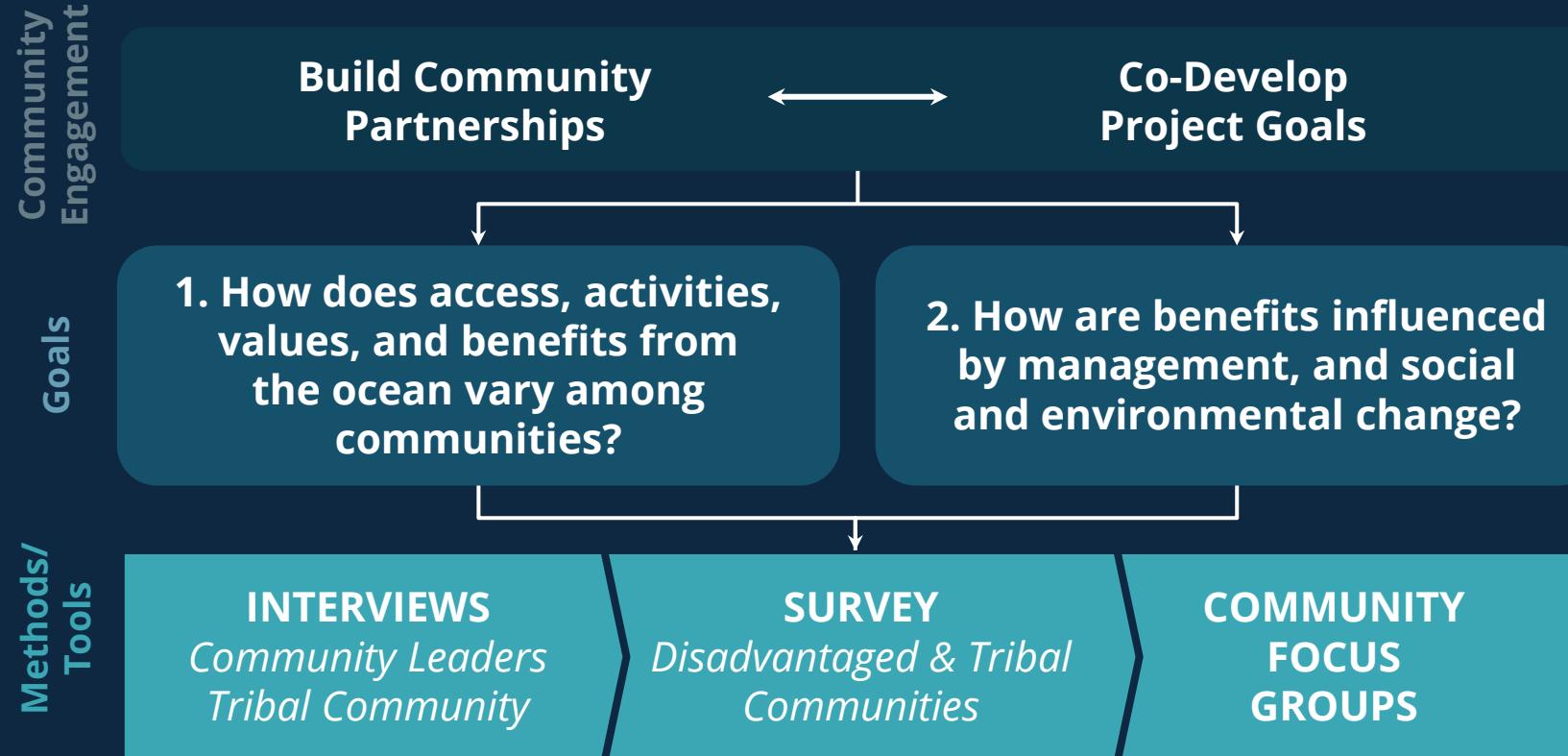
Please indicate the degree to which ocean and coastal areas in California currently benefit you, your health and/or well-being.

California's oceans and coasts:

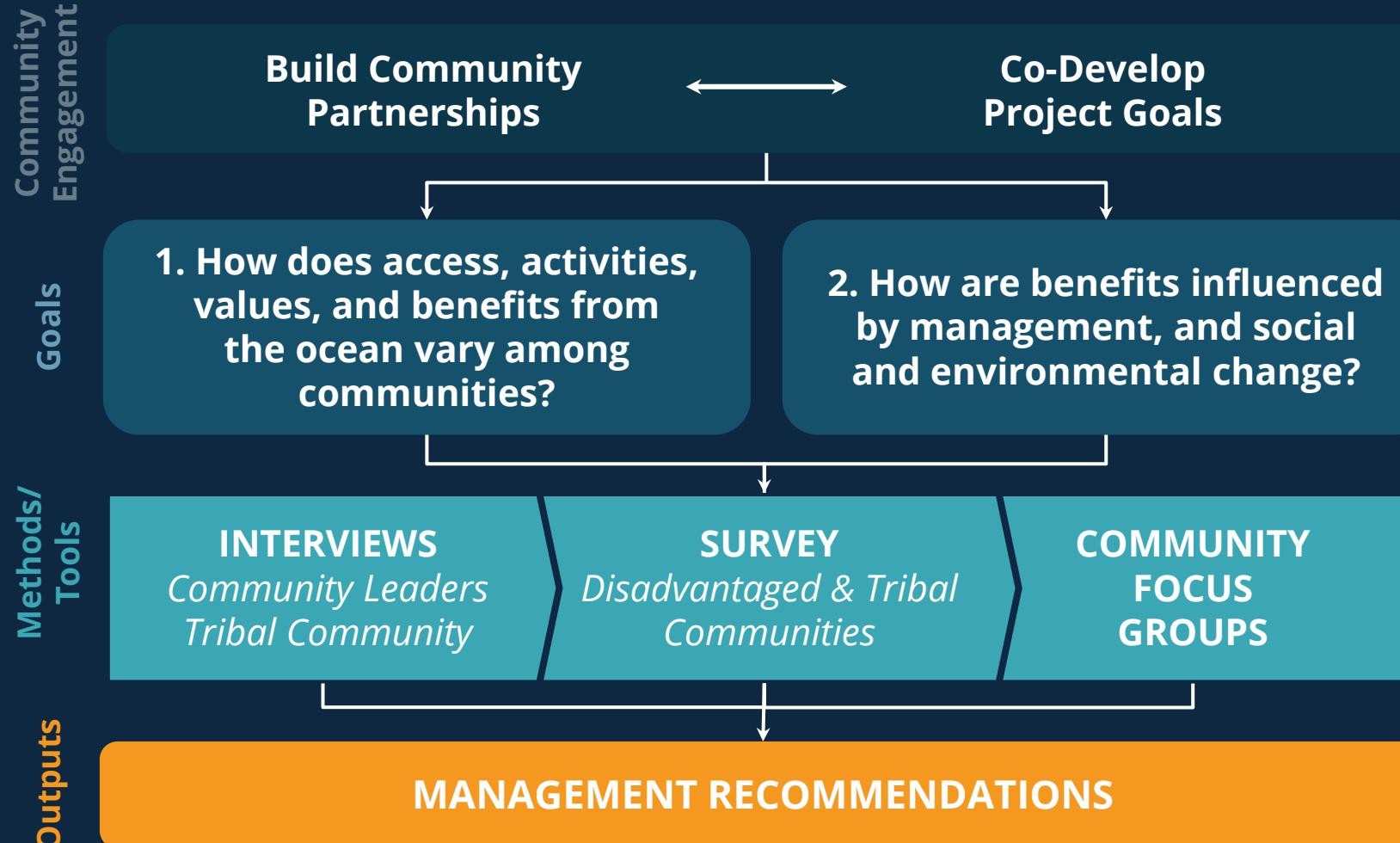
	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
are an important source of food for myself and/or my family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
provide me with an income or a job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
help me to feel a part of a community	<input type="radio"/>	<input type="radio"/>			
help me build or maintain relationships with my friends or family	<input type="radio"/>	<input type="radio"/>			



Goal: Understanding Access & Benefits from Ocean, Coasts, Bays



Goal: Understanding Access & Benefits from Ocean, Coasts, Bays



Who Are We Designing Solutions For?



CALIFORNIA
OCEAN
PROTECTION
COUNCIL

State agency that works with partners to ensure that California maintains healthy, resilient, and productive ocean and coastal ecosystems (FUNDER)



NATIONAL MARINE
SANCTUARIES

Federal agency that works to preserve the beauty, wildlife, historical & cultural connections and economic productivity of underwater areas across the nation.



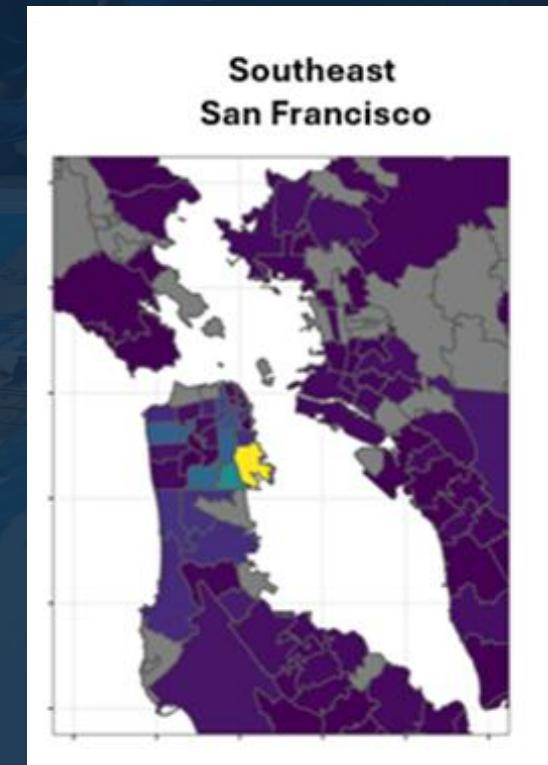
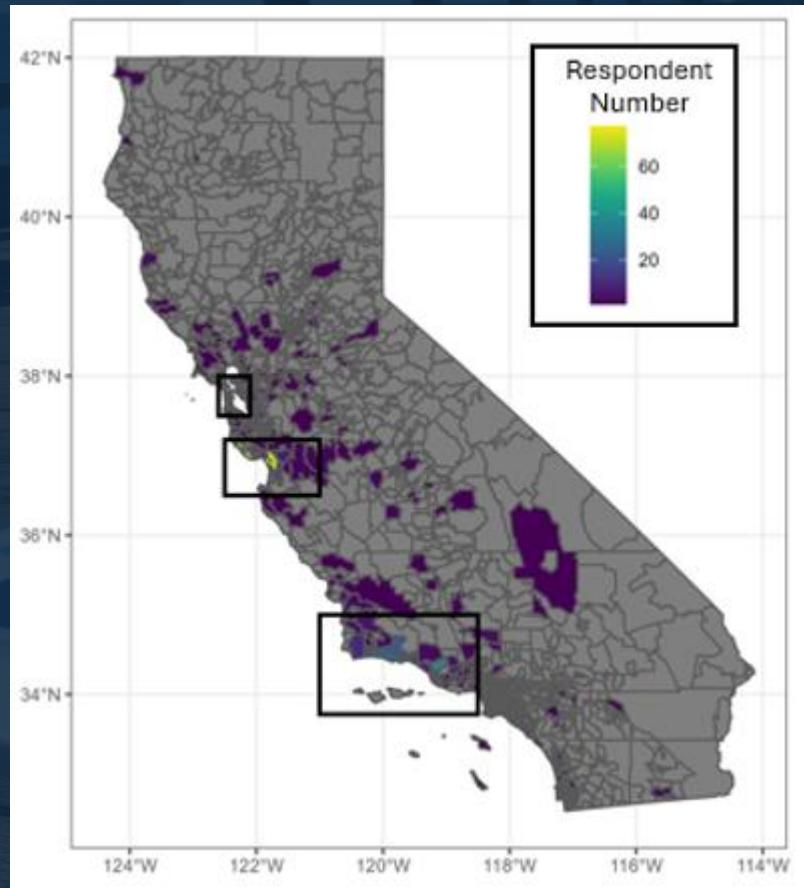
State agency managing California's diverse fish, wildlife, and plant resources, and habitats for their ecological values and public use and enjoyment.



SURVEY OVERVIEW

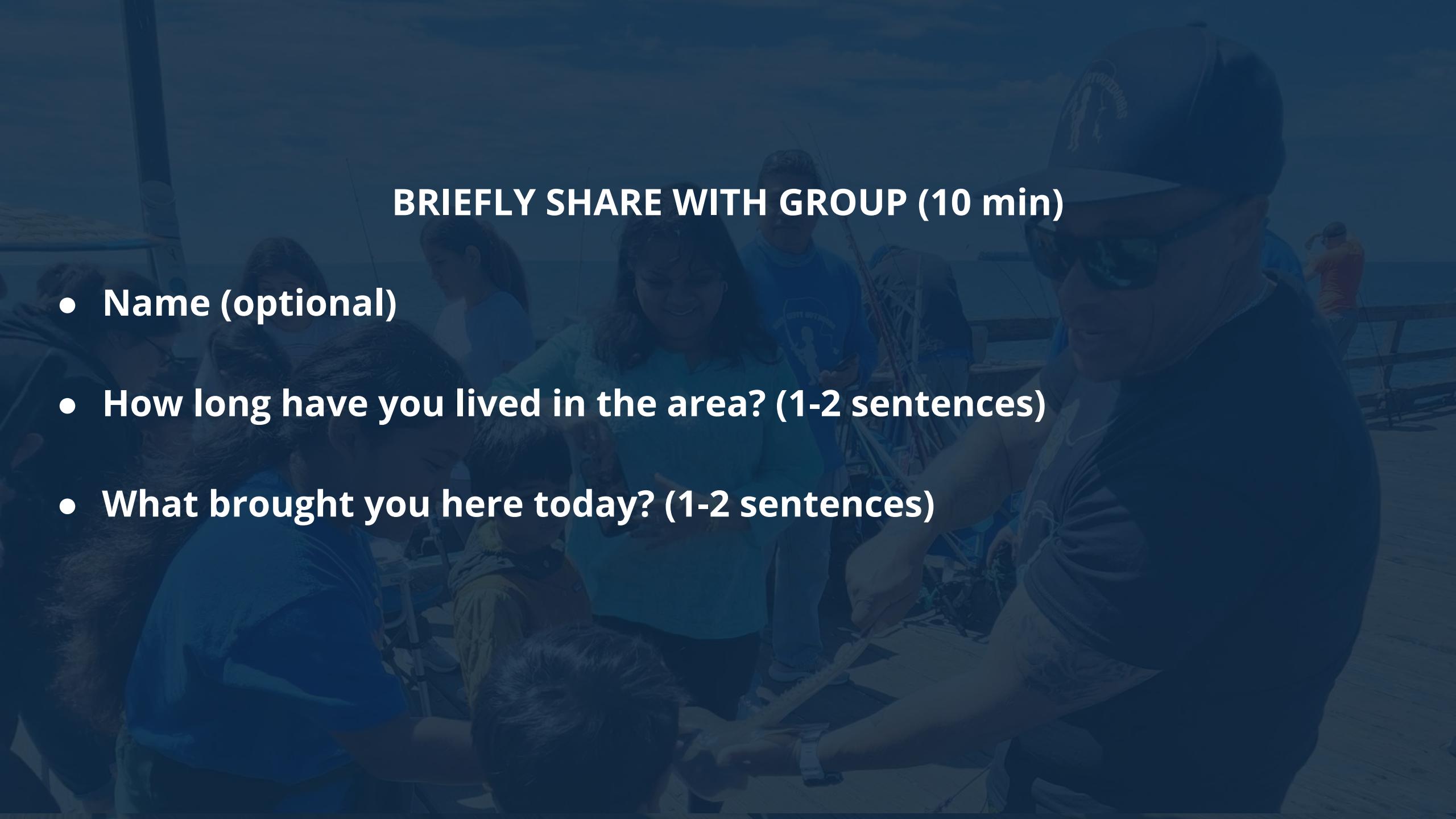
> 2,000 Survey Responses Across California

*Large Sample from underserved communities & low Income Households
Racial & ethnic demographics representative of California
High sampling of younger people & frequent ocean users*





GROUP INTRODUCTION

A group of people are gathered outdoors, possibly at a beach or waterfront, engaged in a discussion. Some individuals are wearing hats and casual clothing. The background shows a railing and some foliage.

BRIEFLY SHARE WITH GROUP (10 min)

- Name (optional)
- How long have you lived in the area? (1-2 sentences)
- What brought you here today? (1-2 sentences)

Section 1:

Understanding Barriers



Ocean Usage in the SF Bayview

According to our survey results, SF Bayview community members visit ocean and coastal spaces (defined as any beach, bay, pier, jetty, coastal area, island, or other place near the ocean or bays in California) less frequently than individuals surveyed in other parts of California. Why might this be?

Many Kinds of Barriers Prevent Ocean Access

PERSONAL



Interest



Transportation



Gear & Equipment

SOCIAL



Feeling Welcome



Feeling Protected

KNOWLEDGE



Understanding
Rules & Regulations



Skills
& Knowledge

PHYSICAL-ENVIRONMENTAL



Infrastructure



Environmental
Safety

LARGEST BARRIERS IN CALIFORNIA

PERSONAL

SOCIAL



Feeling
Protected

KNOWLEDGE

PHYSICAL-ENVIRONMENTAL



Infrastructure



Environmental
Safety

LARGEST BARRIERS IN BAYVIEW

PERSONAL



Gear &
Equipment

SOCIAL

KNOWLEDGE



Understanding
Rules & Regulations

PHYSICAL-ENVIRONMENTAL



Infrastructure



Environmental
Safety

COMPARATIVELY LARGEST BARRIERS IN THE BAYVIEW

(i.e. greatest difference between how barriers were perceived in Bayview & elsewhere)

PERSONAL



Interest



Transportation



Gear & Equipment

SOCIAL

PHYSICAL-ENVIRONMENTAL



Understanding
Rules & Regulations



Skills
& Knowledge

ACTIVITY 1A

Understanding Barriers



1A | UNDERSTANDING BARRIERS

BREAK INTO TWO GROUPS FOR ACTIVITY

- 4 - 5 people, plus note taker & facilitator
- At the table, you should have
 - Post-its
 - Pen
- Each breakout group will discuss a different class of barriers, with one group focusing on PERSONAL barriers, one group focusing on KNOWLEDGE barriers, and one group focusing on PHYSICAL-ENVIRONMENTAL barriers

BRAINSTORM * SHARE * DISCUSS

1A | UNDERSTANDING BARRIERS

QUESTIONS

- **Q1:** What is your **personal experience** with this type of barrier?
 - Be specific, i.e., choose an example related to prompts in your category.
 - If this barrier does not apply to you, think about why this is the experience of others in the community
- **Q2:** **Why** do these types of barriers exist in your community? What might be **causing** them?

STEPS (25 MIN)

1. *Silent reflection on questions (Q1 & Q2, 5 MIN)*
2. *Share with group, 1 person at a time (Q1, 10 MIN)*
3. *Discussion to identify & understand major causes (Q2, 10 MIN)*

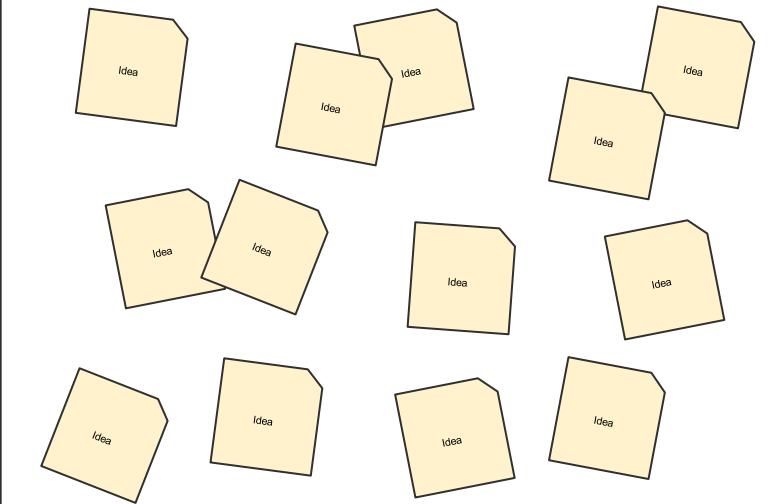
1A | UNDERSTANDING BARRIERS (example)

BARRIER WE ARE TRYING TO UNDERSTAND:

ENVIRONMENTAL - PHYSICAL:
Not feeling safe from environmental factors (i.e., sharks, wind, waves, etc)
Amenities & infrastructure I need are not available

BRAINSTORMING

+ + *What is your personal experience with this type of barrier?
Why do these types of barriers exist in your community?
What might be causing them?*



ACTIVITY 1B

BRAINSTORMING:

Designing Solutions to Barriers



1B | BRAINSTORMING: DESIGNING SOLUTIONS TO BARRIERS

BRAINSTORMING AND DEVELOPING SOLUTIONS

QUESTIONS

- Which solutions would you design to reduce or eliminate these barriers?

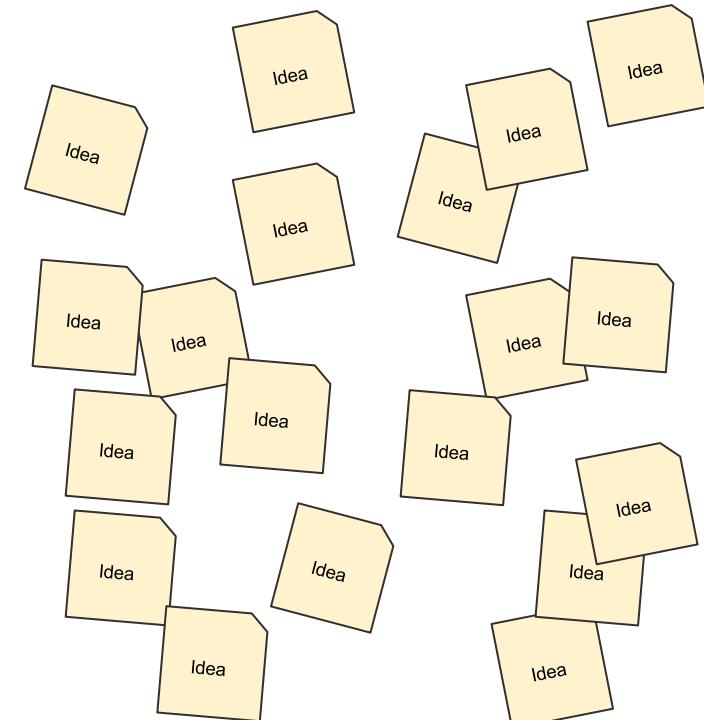
STEPS (10 MIN)

1. Silent reflection about solutions to barriers (5 MIN)
 - a. could be for one specific barrier, or for several
1. Share solutions with your breakout group (5 MIN)

**Keep in mind today's objective (inform coastal policy and management) & think outside of the box!*

1B | BRAINSTORMING: DESIGNING SOLUTIONS

+ *What solutions would you design to reduce or eliminate these barriers?*



ACTIVITY 1C

PRIORITIZATION:

Rank Solutions



1C | PRIORITIZATION: RANK SOLUTIONS

WHAT IS IT?

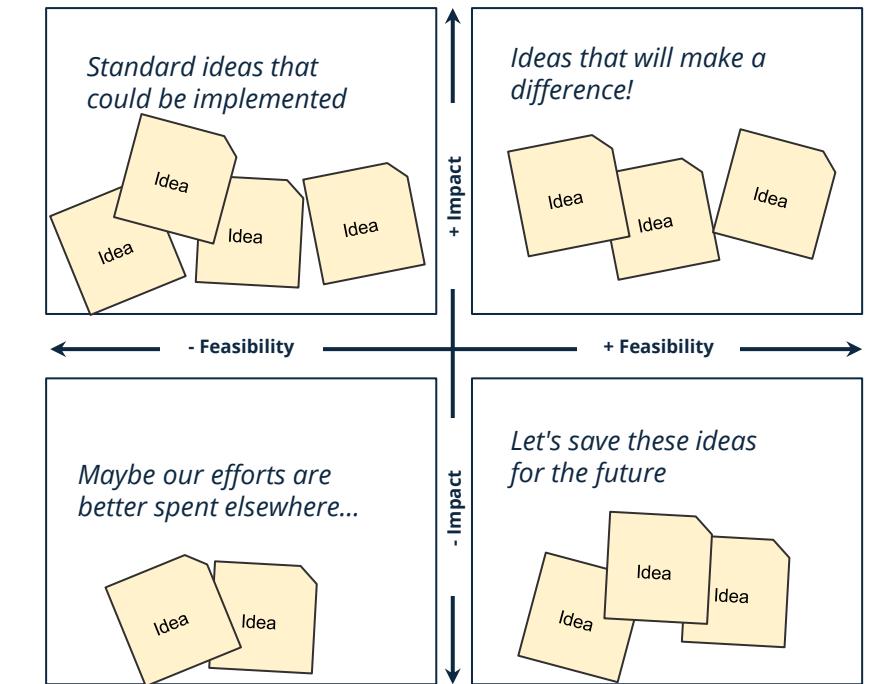
- Technique to prioritize, select, and classify ideas from brainstorming.

Four Quadrants:

- **(-) Impact (+) High Feasibility**
- **(-) Impact (-) Low Feasibility**
- **(+) Impact (-) Feasibility**
- **(+) Impact + (+) Feasibility**

1C | PRIORITIZATION OF IDEAS FOR YOUR COMMUNITY / REGION

PRIORITIZATION MATRIX



Definitions

Impact: degree to which something will make a difference in people's lives and/or behaviors

Feasibility: degree which something could realistically happen given constraints in funding, infrastructure, and/or existing policies & regulations

1C | PRIORITIZATION: GROUP RANKS SOLUTIONS

STEPS

1. Classify ideas (5 MIN):

Discuss ideas within breakout groups & collectively place ideas from brainstorm into the appropriate quadrant.

1. Select key ideas (5 MIN):

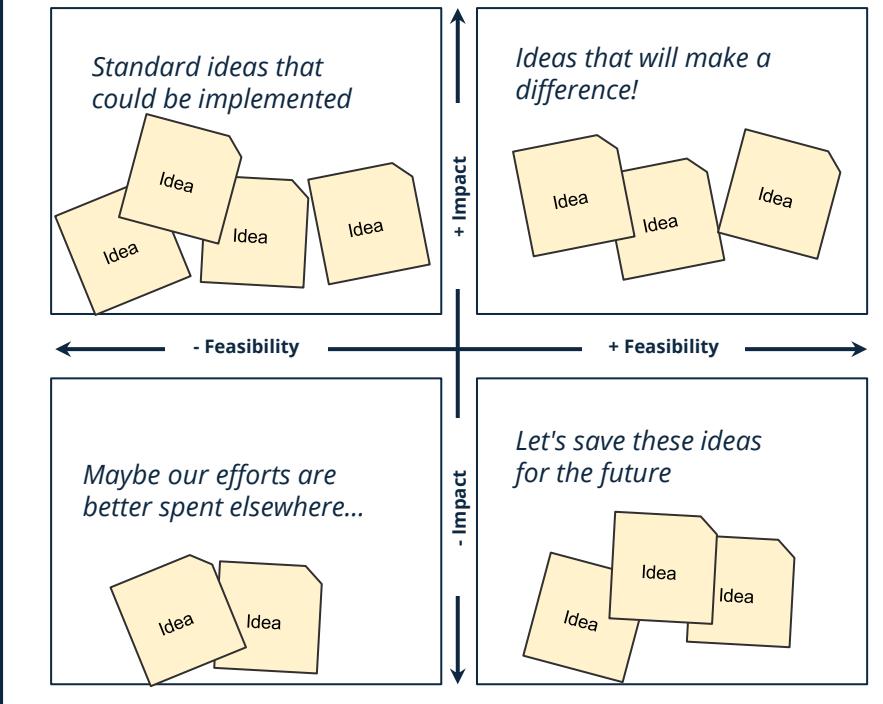
Discuss & agree on the most promising ideas as a breakout group (ideally in the High Impact + High Feasibility quadrant) to move forward

1. Present ideas to the larger group (10 min)

Give individuals from the other group a chance to comment and/or discuss

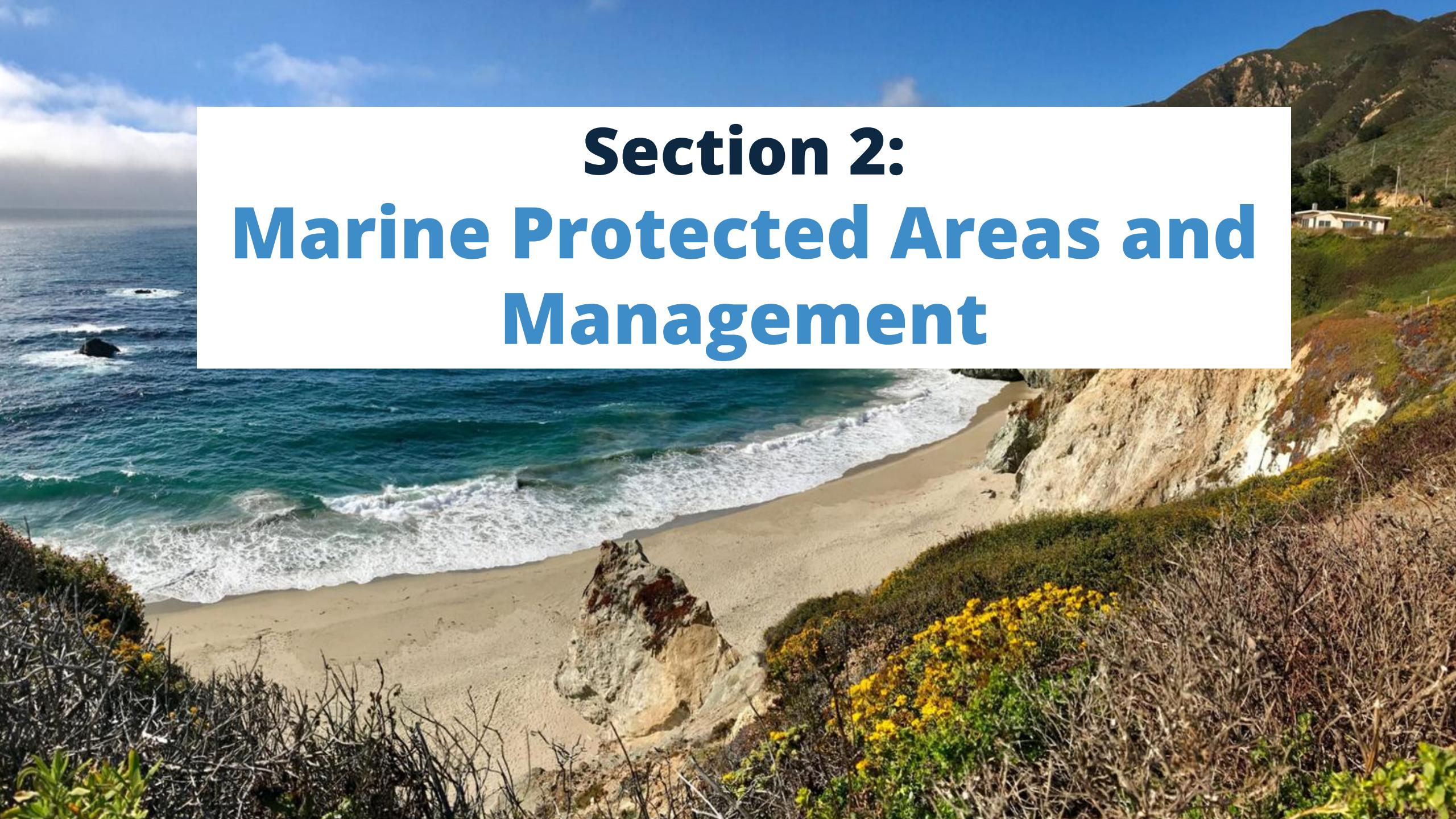
1C | PRIORITIZATION OF IDEAS FOR YOUR COMMUNITY / REGION

PRIORITIZATION MATRIX



BREAK

(10 mins)



Section 2:

Marine Protected Areas and Management

In the Bayview the Ocean & Coastal Areas Are Important ...

because they ...



helps us feel
connected to the
natural world



are important for
future generations



are important for
education,
learning, & science

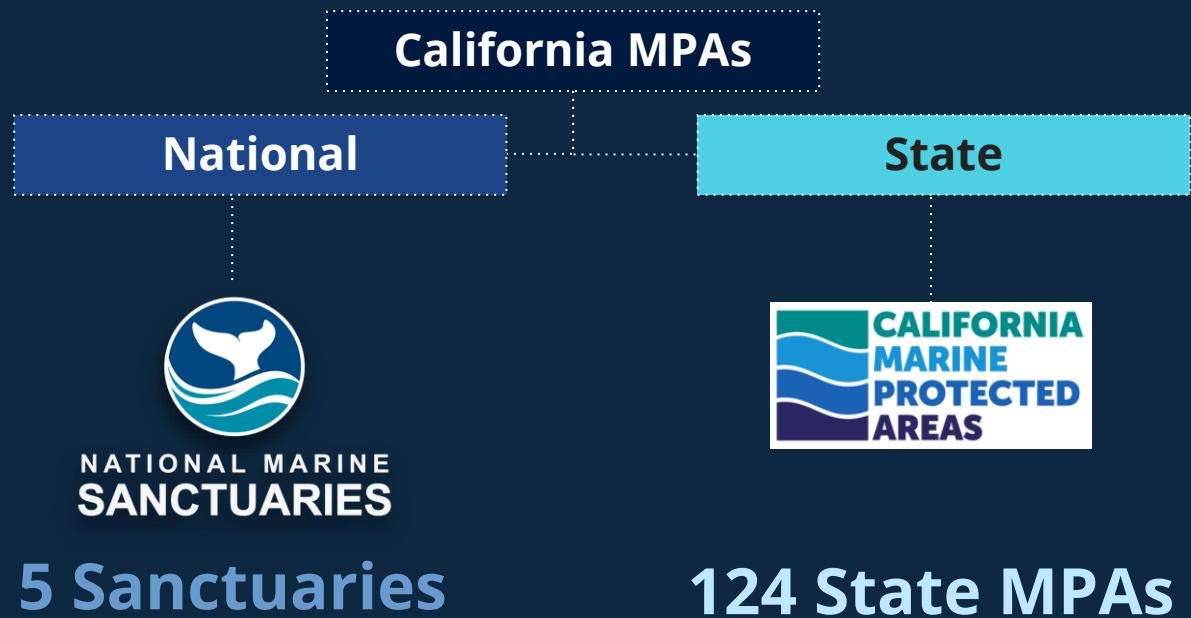
Marine Protected Areas (MPAs) are parks that protect the ocean where human activity is restricted to advance conservation goals

* marine life * habitats * cultural resources *

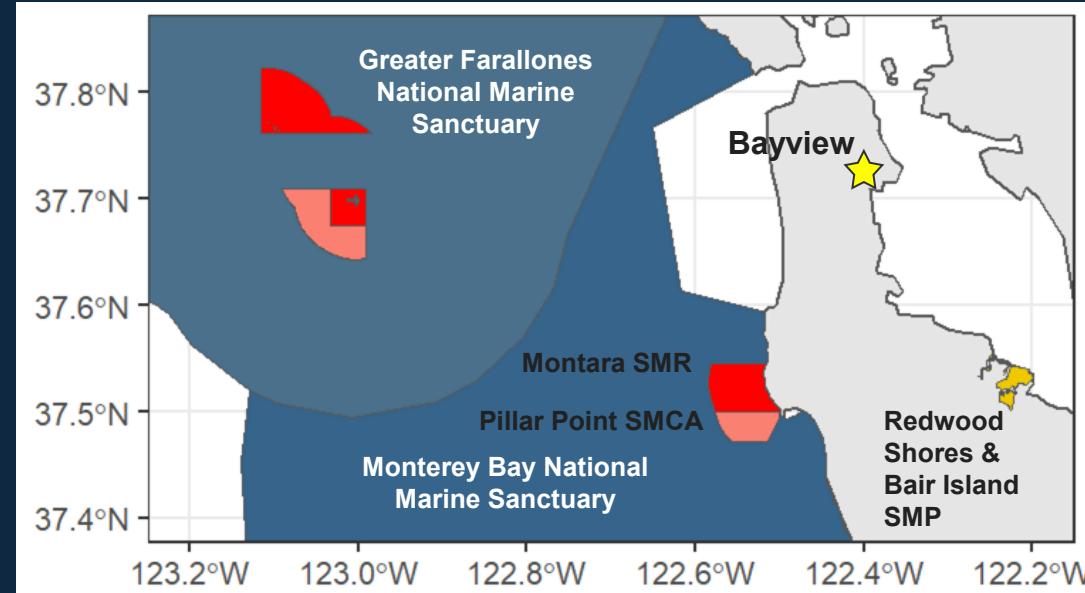
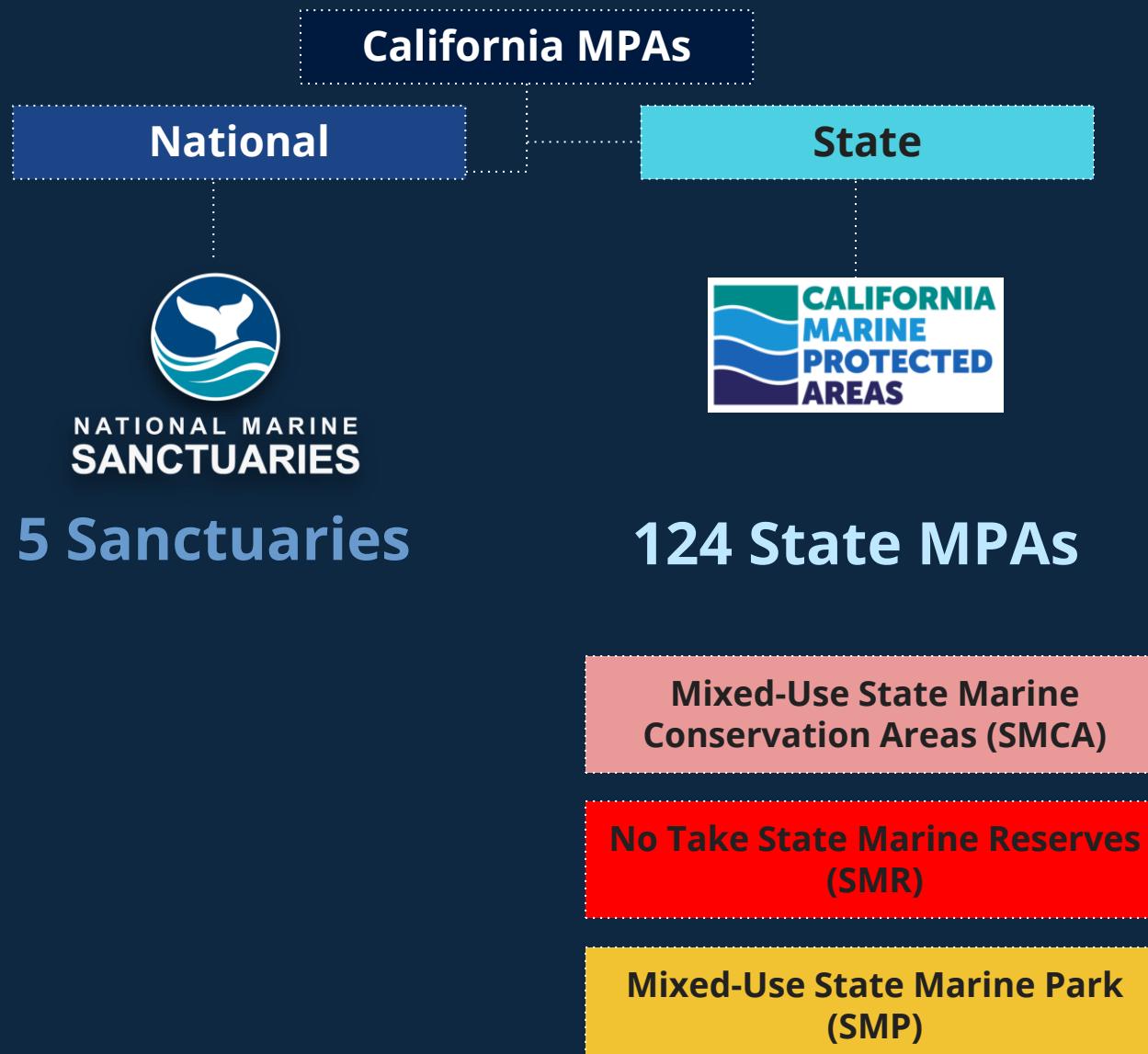


Photos: J. Selgrath, R. Pace

California has National & State Marine Protected Areas (MPAs)



California has Federal & State Marine Protected Areas (MPAs)



According to our survey results, few people in the Bayview are aware the MPAs exist or are familiar with the goals that they are designed to advance....

Survey Question: If a local ocean and/or coastal zone were to be managed for the benefit of you and your community, how important would the following characteristics be?

	Providing protection for threatened plants or animals
	Preventing large-scale industrial and/or commercial activity (i.e., oil drilling, commercial fishing, etc.)
	Providing or improving access to coastal areas
	Providing educational opportunities to improve ocean knowledge
	Allowing locals to participate in rule-making and/or environmental monitoring
	Reducing risks of flooding, coastal erosion and/or seal level rise
	Increasing the availability of local seafood products
	Promoting connections between individuals and groups in my community
	Providing jobs and/or the opportunity to make money
	Enabling practices or activities that support local cultures and traditions

Highest Priority Overall



Lowest Priority Overall

Survey Question: If a local ocean and/or coastal zone were to be managed for the benefit of you and your community, how important would the following characteristics be?

	<u>California</u> <u>Rankings</u>	<u>Bayview</u> <u>Rankings</u>
	1	2
	2	4
	3	5
	4	3
	5	9
	6	1
	7	10
	8	6
	9	7
	10	8

Survey Question: If a local ocean and/or coastal zone were to be managed for the benefit of you and your community, how important would the following characteristics be?

	<u>California</u> <u>Rankings</u>	<u>Bayview</u> <u>Rankings</u>
	1	2
	2	4
	3	5
	4	3
	5	9
	6	1
	7	10
	8	6
	9	7
	10	8

Discussion Question (5 minutes)

Are you surprised by people's overall priorities and/or how they compare to the priorities in your community? Why or Why not?

A photograph showing the back of a man and a child looking out over a beach at a vibrant sunset. The sky is filled with orange, yellow, and pink hues. The ocean waves are visible in the foreground.

ACTIVITY 2A

BRAINSTORMING:

Designing your own MPA

2A | Designing a MPA to benefit the Bayview

State and federal managers have asked for your assistance in **designing a new MPA** with the explicit goal of benefiting you and your community.

1. **How** do you think the **oceans & local MPAs** benefit (or could benefit) your community?

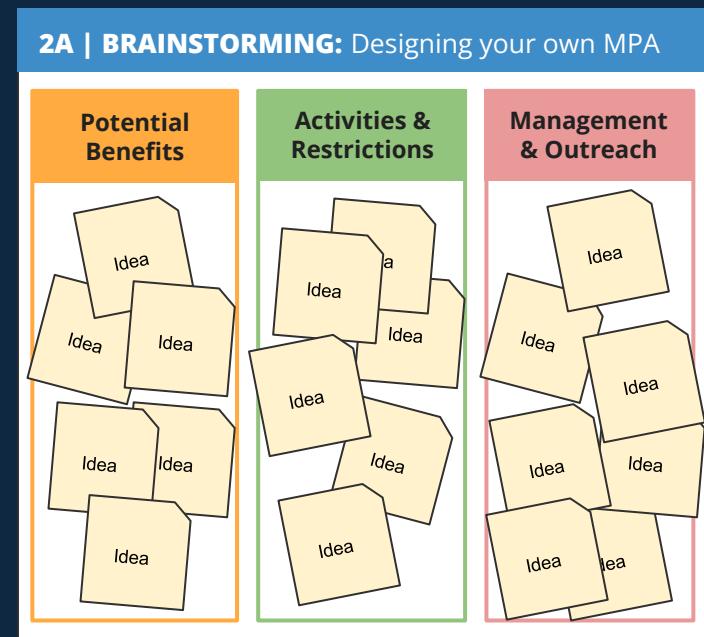
- Benefits for you?
- Benefits for others in the Bayview?

1. Considering local needs and values, What type of **activities** should be allowed and/or encouraged in a new MPA ? What should be prohibited, and why?

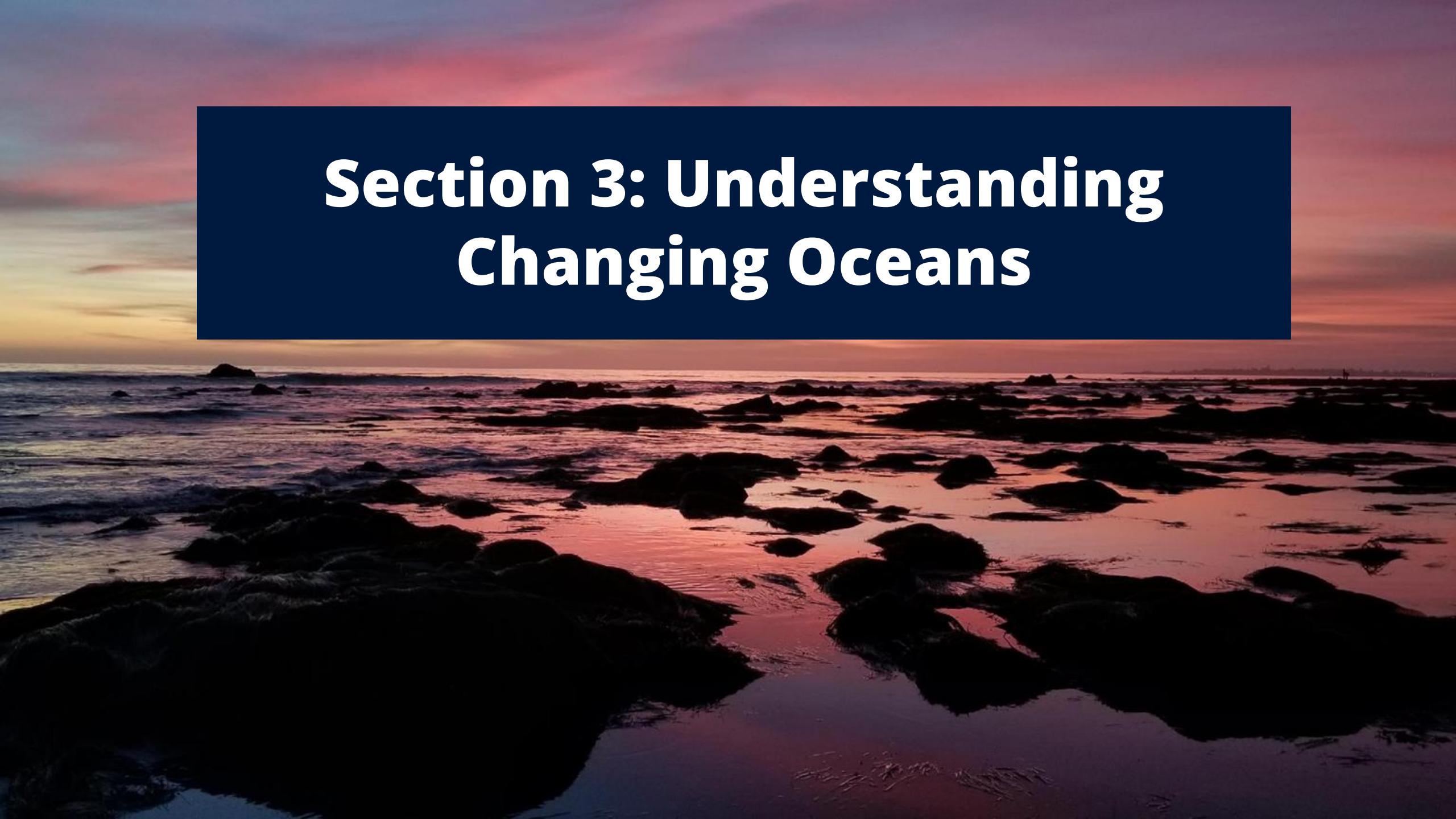
1. **What** strategies could help your community increase awareness of and benefits from the ocean and/or MPAs?

STEPS (30 MIN)

1. *Silent reflection on questions (7 MIN) (post-its)*
2. *Share with group & put your ideas on the canvas (7 MIN)*
3. *Collectively choose the 2-3 ideas from each column you believe are the most feasible & impactful; mark them w/ a star (8 min)*
4. *Report out to the larger group (8 min)*



Section 3: Understanding Changing Oceans

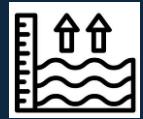


CLIMATE & ENVIRONMENTAL CHANGE AFFECTS THE OCEAN

Climate change refers to long-term shifts in average weather patterns, like temperature and rainfall, across a region, primarily caused by human activities like burning fossil fuels which release greenhouse gases that trap heat in the atmosphere, leading to a warming planet and more extreme weather events



CLIMATE & ENVIRONMENTAL CHANGE AFFECTS THE OCEAN



Sea level rise



Ocean water quality



Changing abundance & diversity of marine life



Hot ocean temperatures



Hot air temperatures



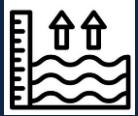
Wildlifes



**Storm Surge & Floods
Sea level rise**



Widely observed changes in ocean & coastal areas used by Bayview residents



Sea level rise



Largest observed changes



Ocean water quality



Changing abundance & diversity of marine life



Hot ocean temperatures



Hot air temperatures



Wildlifes



**Storm Surge & Floods
Sea level rise**

Greatest future concern about ocean & coastal areas by Bayview residents



Sea level rise

Ocean water quality

Changing abundance & diversity of marine life

Hot ocean temperatures

Hot air temperatures

Wildlifes

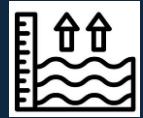
Storm Surge & Floods
Sea level rise

Largest observed changes

Items of most local concern

Bayview residents think climate change will negatively impact benefits from ocean areas

Greatest future concern about ocean & coastal areas by Bayview residents



Sea level rise



Ocean water quality



Changing abundance & diversity of marine life



Hot ocean temperatures



Hot air temperatures



Wildlifes



Storm Surge & Floods



Largest observed changes



Items of most local concern

QUESTIONS

Brainstorming (5 mins) &
Sharing (10 min)

1. Why does this concern about changing oceans exist in your community? What is causing it?
1. Do you have suggestions for how to address this concern?

SUMMARY

- Barriers
- Marine Protected Areas (MPAs)
- Changing Oceans



Thank you for your participation!

The opinions and insight you've shared with us today will be invaluable in preparation of our final report

A list of recommendations that will be delivered to the California Ocean Protection Council, the California Department of Fish & Wildlife, and the Office of National Marine Sanctuaries

To stay updated on the project or to contact us to ask any follow-up questions, please visit our website:
<https://www.californiaoceanaccessandmpas.com/>

