

# CCMP Revision

DRAFT 9/1/2015

VERSION 1



Great egret by Rick Lewis

## Goals for 2050, Actions for the Next Five Years

### *Your ideas for urgent actions?*

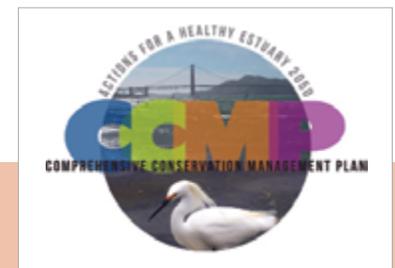
The Comprehensive Conservation and Management Plan, originally published in 1993, was the first master plan for improving the health of the Estuary encompassing the San Francisco Bay and the Sacramento-San Joaquin River Delta.

The CCMP represents a unifying collaborative blueprint for the future of our Estuary. We need your help to make the CCMP relevant, implementable, trackable, and visionary!

*To learn more, visit [www.sfestuary.org/ccmprevision](http://www.sfestuary.org/ccmprevision)*

### **LOOK INSIDE** ▶▶

*(Gently remove insert to view both sides of the goal matrix)*



**San Francisco Estuary Partnership**

### **You are invited to learn more about the CCMP revision and provide input in the following ways:**

#### **State of the Estuary Conference**

September 17 - 18, 2015  
Marriott, Oakland City Center



#### **Help Raise Awareness**

Ongoing



#### **Provide Input on the Draft**

September - December 2015  
Online or via email/mail



**GOAL 1:**  
Sustain and Improve Habitats and Living Resources of the Estuary

**Objective A**

Protect, restore, and enhance environmental conditions and processes that support self-sustaining natural communities

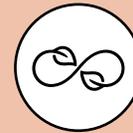
**Objective B**

Eliminate or reduce threats to natural communities

**Objective C**

Conduct scientific research and monitoring to measure status, develop and refine management actions, and track progress

**A C T I O N S**



**GOAL 2:**  
Increase the Resiliency of the Estuary to Sustain Functions in the Face of Changing Climate Conditions

**Objective D**

Increase resilience of tidal habitats and tributaries to climate change

**Objective E**

Increase resilience of communities at risk from climate change impacts while promoting and protecting natural resources

**Objective F**

Promote integrated, coordinated, multi-benefit approaches to increasing resiliency

**A C T I O N S**

1. Develop and implement watershed approaches to comprehensive aquatic resource protection	●	●	●	1. Develop and implement watershed approaches to comprehensive aquatic resource protection	●	●	●
2. Protect, restore and enhance tidal marsh and tidal flat habitat	●	●		2. Protect, restore and enhance tidal marsh and tidal flat habitat	●	●	
3. Identify, protect and create transition zones	●	●		3. Identify, protect and create transition zones	●	●	
4. Maximize habitat benefits of managed wetlands/ponds	●	●	●	4. Maximize habitat benefits of managed wetlands/ponds			
5. Protect, restore and enhance subtidal habitat	●	●		5. Protect, restore and enhance subtidal habitat	●	●	
6. Protect, restore and enhance riparian habitat	●	●	●	6. Protect, restore and enhance riparian habitat	●	●	
7. Protect and restore critical coldwater habitat in tributary streams	●	●	●	7. Protect and restore critical coldwater habitat in tributary streams			
8. Establish Regional Wetland and Stream Monitoring and Assessment Program	●		●	8. Establish Regional Wetland and Stream Monitoring and Assessment Program		●	
9. Protect, restore and enhance seasonal wetlands	●	●		9. Protect, restore and enhance seasonal wetlands			
10. Minimize the impact of invasive species		●		10. Minimize the impact of invasive species			
11. Increase the efficacy of predator management		●	●	11. Increase the efficacy of predator management			
12. Increase carbon sequestration through wetland restoration, creation and management	●		●	12. Increase carbon sequestration through wetland restoration, creation and management	●	●	●
13. Restore Estuary-watershed connections for multiple benefits	●	●	●	13. Restore Estuary-watershed connections for multiple benefits	●	●	●
14. Manage sediment with a regional comprehensive approach that advances beneficial use of dredged or excavated material	●		●	14. Manage sediment with a regional comprehensive approach that advances beneficial use of dredged or excavated material	●	●	●
15. Demonstrate how restored habitats serve as "natural infrastructure" that provide multiple benefits	●	●	●	15. Demonstrate how restored habitats serve as "natural infrastructure" that provide multiple benefits		●	●
16. Advance natural resource protection while increasing shoreline community resiliency		●		16. Advance natural resource protection while increasing shoreline community resiliency		●	●



**GOAL 1:**  
Sustain and Improve Habitats and Living Resources of the Estuary

**Objective A**

Protect, restore, and enhance environmental conditions and processes that support self-sustaining natural communities

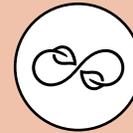
**Objective B**

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**A C T I O N S**



**GOAL 2:**  
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**Objective D**

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**A C T I O N S**

17. Integrate natural resource protection into local government hazard mitigation, response and recovery planning		●		17. Integrate natural resource protection into local government hazard mitigation, response and recovery planning		●	●
18. Improve regulatory processes regarding permitting and monitoring innovative multi-benefit projects				18. Improve regulatory processes regarding permitting and monitoring innovative multi-benefit projects			●
19. Develop long-term drought plans		●		19. Develop long-term drought plans			●
20. Reduce landscape water use				20. Reduce landscape water use			
21. Increase water recycling				21. Increase water recycling			●
22. Change public's perception of the value of water to achieve long term reduction of water use				22. Change public's perception of the value of water to achieve long term reduction of water use			
23. Implement indirect potable reuse standards and increase public acceptance of direct potable reuse				23. Implement indirect potable reuse standards and increase public acceptance of direct potable reuse		●	
24. Assess potential application of the constitutional standard of waste and unreasonable use in the Bay-Delta Estuary				24. Assess potential application of the constitutional standard of waste and unreasonable use in the Bay-Delta Estuary			
25. Integrate water issues into Plan Bay Area				25. Integrate water issues into Plan Bay Area			●
26. Adopt new Bay-Delta freshwater inflow/outflow standards that better protect all beneficial uses	●	●	●	26. Adopt new Bay-Delta freshwater inflow/outflow standards that better protect all beneficial uses			
27. Increase agricultural water use efficiency				27. Increase agricultural water use efficiency			
28. Identify and work to eliminate illegal water diversions in the San Francisco Bay region				28. Identify and work to eliminate illegal water diversions in the San Francisco Bay region			
29. Address emerging contaminants		●	●	29. Address emerging contaminants			
30. Decrease raw sewage discharges		●		30. Decrease raw sewage discharges			
31. Manage stormwater with Low Impact Development/green infrastructure practices	●			31. Manage stormwater with Low Impact Development/green infrastructure practices		●	●
32. Implement select Total Maximum Daily Loads (TMDLs)		●	●	32. Implement select Total Maximum Daily Loads (TMDLs)			
33. Manage nutrients in the Estuary		●	●	33. Manage nutrients in the Estuary			



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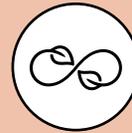
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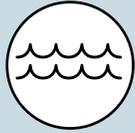
Increase resilience of communities at risk from climate change impacts while promoting and protecting natural resources

**Objective F**

Promote integrated, coordinated, multi-benefit approaches to increasing resiliency

**A C T I O N S**

34. Reduce trash input into the Estuary		●	●	34. Reduce trash input into the Estuary			
35. Develop and expand public involvement, education and advocacy efforts that support CCMP goals				35. Develop and expand public involvement, education and advocacy efforts that support CCMP goals			
36. Foster support for natural resources by providing public access and recreational opportunities compatible with wildlife		●		36. Foster support for natural resources by providing public access and recreational opportunities compatible with wildlife			
37. Increase regional coordination among elected officials at all levels of government to support decisions and provide funding to implement the CCMP				37. Increase regional coordination among elected officials at all levels of government to support decisions and provide funding to implement the CCMP			
38. Expand funding mechanisms to implement CCMP				38. Expand funding mechanisms to implement CCMP			



**GOAL 3:**  
**Improve Water Quality and Increase Water Quantity to the Estuary**

**Objective G**

Increase drought-resistance and water efficiency and reduce demand on imported water

**Objective H**

Improve freshwater flow patterns, quantity, and timing to better support natural resources

**Objective I**

Reduce levels of contaminants present and the delivery of additional contaminants to the estuary

**A C T I O N S**

1. Develop and implement watershed approaches to comprehensive aquatic resource protection
2. Protect, restore and enhance tidal marsh and tidal flat habitat
3. Identify, protect and create transition zones
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14. Manage sediment with a regional comprehensive approach that advances beneficial use of dredged or excavated material
15. Demonstrate how restored habitats serve as “natural infrastructure” that provide multiple benefits



**GOAL 4:**  
**Champion the Estuary**

**Objective J**

Build public support for the value of natural resources and the need to protect, restore and maintain a healthy Estuary

**Objective K**

Build regional leadership and support to protect, restore and maintain a healthy Estuary

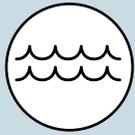
**Objective L**

Promote efficient and coordinated regional governance

**A C T I O N S**

1. Develop and implement watershed approaches to comprehensive aquatic resource protection
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#### A C T I O N S

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24. Assess potential application of the constitutional standard of waste and unreasonable use in the Bay-Delta Estuary

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31. Manage stormwater with Low Impact Development/green infrastructure practices

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### GOAL 4: Champion the Estuary

#### Objective J

Build public support for the value of natural resources and the need to protect, restore and maintain a healthy Estuary

#### Objective K

Build regional leadership and support to protect, restore and maintain a healthy Estuary

#### Objective L

Promote efficient and coordinated regional governance

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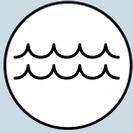
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**A C T I O N S**

32. Implement select Total Maximum Daily Loads (TMDLs)



33. Manage nutrients in the Estuary



34. Reduce trash input into the Estuary



35. Develop and expand public involvement, education and advocacy efforts that support CCMP goals

36. Foster support for natural resources by providing public access and recreational opportunities compatible with wildlife

37. Increase regional coordination among elected officials at all levels of government to support decisions and provide funding to implement the CCMP

38. Expand funding mechanisms to implement CCMP



**GOAL 4:**  
**Champion the Estuary**

**Objective J**

Build public support for the value of natural resources and the need to protect, restore and maintain a healthy Estuary

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**A C T I O N S**

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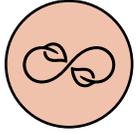


# CCMP OVERVIEW

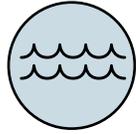
The goal of the current revision is to streamline the number of actions (from over 200 to less than 50) and refocus on contemporary issues (changing estuarine conditions, new pressures from ongoing urbanization and development, and climate change). The revised CCMP will be organized into four goal categories with corresponding objectives, actions, and tasks, as shown below.



1. Sustain and improve habitats and living resources



2. Increase resiliency to sustain functions in the face of climate change



3. Improve water quality and increase water quantity



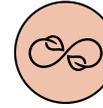
4. Champion the Estuary through public understanding and stewardship

## GOALS

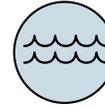
The 35-year vision for the Estuary



GOAL 1



GOAL 2



GOAL 3



GOAL 4

## OBJECTIVES

Specific outcomes to be delivered by the CCMP



## ACTIONS & TASKS

How the goals and objectives will be advanced over the next 5 years



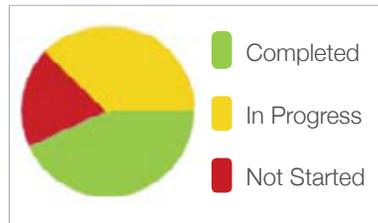
*Note: Actions may serve multiple goals and objectives.*

### Your input is important because:

- ▶▶ The CCMP can help move forward your organization's goals.
- ▶▶ The document governs eligibility for some Environmental Protection Agency grants and other funding sources.
- ▶▶ Your organization will be helping to implement the actions in the plan and can also help to track progress.

### TRACKING PROGRESS

The CCMP Report Card will include a framework for tracking the success of all the actions.



### Contact us:

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 1515 Clay St., Suite 1400, Oakland, CA 94612  
 (510) 622-2362 | caitlin.sweeney@waterboards.ca.gov  
[www.sfestuary.org/ccmprevision](http://www.sfestuary.org/ccmprevision)

*The enclosed matrix summarizes how the draft goals and objectives are met by the draft actions. In the final CCMP document, each action will be fully fleshed out, with tasks, milestones, background, owner, etc. The final CCMP will also include more background information, findings, and a section on tracking and reporting. The expanded draft document will be available for public review on September 17th at [www.sfestuary.org](http://www.sfestuary.org)*