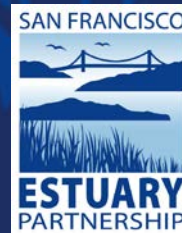




# 2016 Estuary Blueprint Overview



# Comprehensive Conservation and Management Plan (CCMP)

- 1993 - First master plan for Estuary
- 2007 - Updated
- 2016 Major overhaul



# 2016 CCMP: A regional collaborative *blueprint* for the future of the Estuary

*Where do we want to be in 2050 and what  
can we do in the next five years to get there?*



# 2016 Revision Objectives

- Look towards a changing future
- Strategic and focused
- Increase integration of Bay and Delta
- Align with other regional planning docs
- Track progress



# Revision Timeline

Sept 2013  
Revision  
Launched

Sept, 2014  
Subcommittees  
Formed

May 18, 2016  
Final Draft  
approved by IC

***Sept, 2016  
Implementation***

Jan, 2014  
Steering  
Committee  
Formed

Sept, 2015  
Public Draft  
Released

Aug/Sept, 2016  
Executive  
Council and EPA  
Approvals



# Estuary Blueprint Elements







# Introduction and Findings

1

# Introduction and Findings

- Estuary Intro, CCMP history, revision process
- Findings based on State of the Estuary Report
  - How healthy is the Estuary?
  - Can we improve the health of the Estuary?
  - What will it take to achieve a healthy Estuary?







# Implementation 2

# Implementation: Goals and Objectives

Goals:  
Aspirational, based on  
a 35 year vision (2050)

## Goals

- Sustain and improve the Estuary's habitats and living resources.
- Bolster the resilience of Estuary ecosystems, shorelines, and communities to climate change.
- Improve water quality and increase the quantity of fresh water available to the Estuary.
- Champion the Estuary.

# Implementation: Actions

Strategies (set of tasks)  
Achievable within 5  
years



# 32 Actions

Each advancing one  
or more  
goals/objectives



**GOAL 1:**  
Sustain and improve the Estuary's habitats and living resources.

**GOAL 2:**  
Bolster the resilience of Estuary ecosystems, shorelines and communities to climate change.

**GOAL 3:**  
Improve water quality and increase the quantity of fresh water available to the Estuary.

**GOAL 4:**  
Champion the Estuary.

OBJECTIVE		A	B	C	D	E	F	G	H	I	J	K	L
<b>ACTION</b>													
1	Develop and implement a comprehensive, watershed-based approach to aquatic resource protection	•		•	•	•	•		•	•	•	•	•
2	Establish a regional wetland and stream monitoring program	•		•									•
3	Protect, restore and enhance tidal marsh and tidal flat habitat	•			•	•							
4	Identify, protect, and create transition zones around the Estuary	•	•		•	•							
5	Protect, restore and enhance intertidal and subtidal habitats	•	•		•	•							
6	Maximize habitat benefits of managed wetlands and ponds	•	•	•	•								
7	Conserve and enhance riparian and in-stream habitats throughout the Estuary's watersheds	•	•		•	•							
8	Protect, restore, and enhance seasonal wetlands	•	•										
9	Minimize the impact of invasive species		•	•									
10	Increase the efficacy of predator management		•	•									
11	Increase carbon sequestration through wetland restoration, creation, and management	•		•	•		•						

## OBJECTIVES

- A. Protect, restore, and enhance ecological conditions and processes that support self-sustaining natural communities
- B. Eliminate or reduce threats to natural communities
- C. Conduct scientific research and monitoring to measure the status of natural communities, develop and refine management actions, and track progress towards management targets
- D. Increase resilience of tidal habitats and tributaries to climate change
- E. Increase resilience of communities at risk from climate change impacts while promoting and protecting natural resources
- F. Promote integrated, coordinated, multi-benefit approaches to increasing
- G. Increase drought resistance and water efficiency and reduce reliance on imported water
- H. Improve freshwater flow patterns, quantity, and timing to better support natural resources
- I. Reduce contaminants entering the system and improve water quality
- J. Build public support for the protection and restoration of the Estuary
- K. Strengthen regional leadership in support of Estuary health
- L. Promote efficient and coordinated regional governance

## ACTION

## X

The language of the action itself, describing the type of action (such as protect, improve, develop), the object of the action (such as habitats, monitoring programs, communities) and any key qualifiers or targets (such as watershed-scale, nature-based, multi-benefit).

13

The action description provides a slightly expanded, but less precise in intent, version of the action, including additional narrative or details.

**TASK X-1** Specific tasks to be accomplished over the next five years to support the action. Task language is among the most carefully chosen language in each action. Tasks describe clear concise “to do” items, and often the context in which the task should take place. Tasks also reflect the consensus building and attention to detail of the committees that crafted each task.

**BY 2020** Clear milestones with associated dates to track progress in advancing the action. Milestone years reflect the entire planning horizon of the CCMP, from 2016-2021.

**TASK X-2** Most actions include multiple tasks. Some tasks occur in a logical progression, from collecting data or information or building consensus to making a management decision or creating a plan based on that information. Other actions have multiple tasks that address the variety of geographic areas or gaps in achieving a comprehensive action.

**BY 2016** A single year milestone means the task should be completed by the end of that year.

## BACKGROUND

The background section provides supporting information to further explain the action, why it is a priority, and how the tasks advance the action. It includes information such as the planning context or scientific basis of the action, as well as its connection or relevance to other efforts, plans or programs.

## OWNERS

Owners of the tasks are entities that have agreed to play a key role in advancing tasks either as implementers, trackers, conveners, or stewards. Each owner is assigned specific tasks, as numbered.

## COLLABORATING PARTNERS

Collaborating partners is a list key entities, in addition to the owners, engaged in accomplishing the action. This list describes the most central partners, but may not include all possible partners associated with a collaborative action. Collaborating partners represent organizations that might implement, champion, inform, advise or provide scientific or technical expertise in support of the action, tasks, and milestones.

## NEXUS

While the suite of 32 actions together represent an integrated comprehensive approach, the Nexus calls attention to core connections between specific actions, goals and objectives.



## Estuary Blueprint Organizational Owners of Tasks

Owners	Tasks
Association of Bay Area Governments	16-2, 16-3, 23-1, 23-2, 31-2, 31-3
Bay Area Clean Water Agencies	22-1, 22-2
Bay Area Pollution Prevention Group - BAPPG	25-2, 25-3
Bay Area Regional Collaborative	15-1, 15-2, 15-3
CA Department of Fish and Wildlife	6-1
CA Department of Water Resources	11-1, 11-2, 11-3, 12-2
CA Product Stewardship Council	25-2, 25-3
CA State Coastal Conservancy	5-1, 5-2, 5-3, 6-1, 6-2, 6-3, 6-4, 9-4, 15-2
CA State Parks' Division of Boating and Waterways	31-1
Central Valley Regional Water Quality Control Board	28-4, 28-5, 28-5
Coastal Hazards Adaptation Resiliency Group	17-4
Delta Conservancy	11-1, 11-3
Delta Stewardship Council	16-1
NOAA Fisheries	5-1
Point Blue Conservation Science	10-1
Rescape California	21-3
SF Bay Conservation and Development Commission	13-1, 17-2
SF Bay Joint Venture	2-1, 2-2, 2-3, 2-4, 3-1, 3-2, 4-1, 4-2, 4-3, 4-4, 7-1, 7-2, 7-3, 7-4, 8-2, 8-3, 13-1, 13-2, 13-3, 13-4, 32-6
SF Bay National Estuarine Research Reserve	2-4, 11-2, 11-3
SF Bay Regional Water Quality Control Board	2-1, 17-3, 25-1, 27-2, 28-1, 28-2, 28-3, 28-6
SF Estuary Institute	1-1, 1-2, 1-3, 2-1, 2-5, 12-1, 13-1, 13-3, 14-1, 14-2, 14-3, 25-1, 28-1, 28-2, 28-3, 28-6, 29-1
SF Estuary Partnership	1-2, 1-3, 2-2, 2-4, 2-5, 4-1, 4-2, 4-3, 4-4, 8-1, 8-1, 9-2, 9-3, 12-3, 12-4, 14-1, 14-2, 14-3, 14-4, 17-1, 18-1, 18-2, 18-3, 19-1, 19-2, 19-3, 20-1, 20-1, 21-1, 21-2, 21-3, 21-4, 22-1, 22-2, 23-3, 24-1, 24-2, 24-3, 24-4, 24-5, 24-6, 25-2, 25-3, 26-1, 26-2, 26-3, 26-4, 27-1, 27-3, 29-1, 29-2, 30-1, 30-2, 31-1, 32-1, 32-2, 32-3, 32-4, 32-5, 32-6
SF State University's Romberg Tiburon Center for Environmental Studies	29-2
Suisun Resource Conservation District	27-2
US Environmental Protection Agency	24-1, 24-1, 24-3, 24-5, 24-6
US Fish and Wildlife Service	6-1, 10-1, 10-2
US Geological Survey	6-2

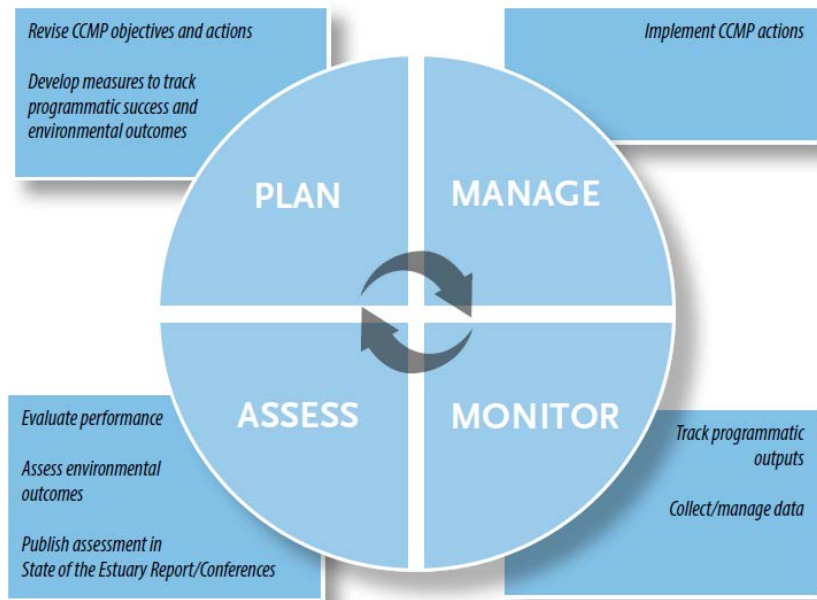




**Tracking Progress**

**3**

# Tracking Progress



Programmatic Outputs

◎ Tasks and Milestones

Environmental Outcomes

◎ State of the Estuary  
Report Indicators

# IC Strategic Planning Meeting

## November 2, 2016



# Purpose

- Engage IC members as implementers and advisors
- Gather input on roles and responsibilities, committee structure, membership, process, etc.

# Desired Outcomes

- Increased engagement and ownership of Blueprint from IC
- Recommendations for strengthening IC, improve Blueprint implementation



# Workshop Conclusions

- IC members would like to play a larger role in ensuring Blueprint Actions are implemented
  - Select IC members who are committed
  - Fill gaps in membership
  - Work in goal-oriented subcommittees
  - Establish a method and consistently track Blueprint progress
  - Identify roadblocks and sticking points where IC can assist
- Strengthen Outreach
  - Identify new IC members and strategic partners
  - Establish talking points for IC
  - Conduct targeted outreach



# Results - Processes and Procedures

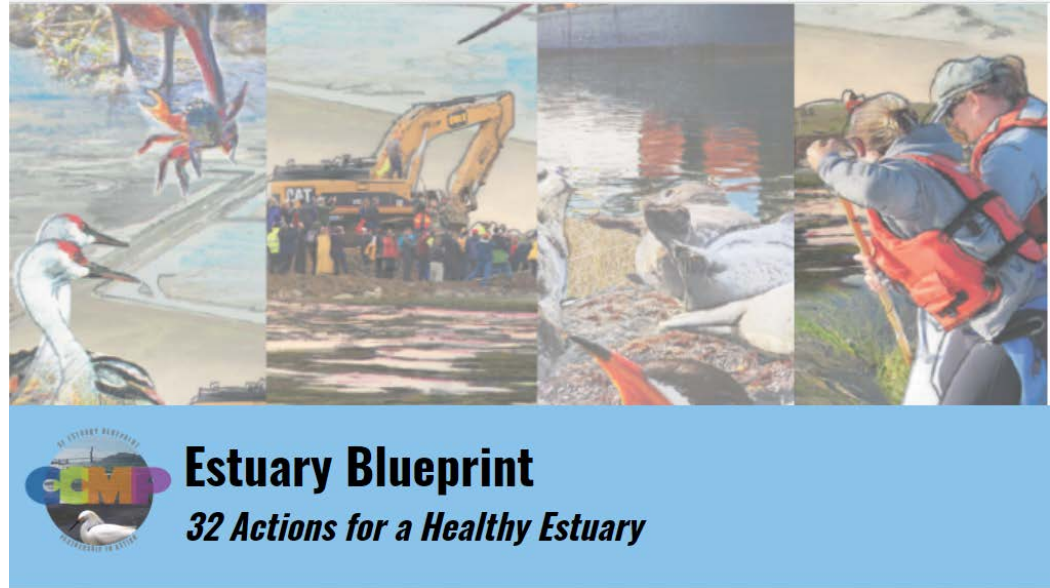
- Ad Hoc IC Member Nominating Committee Formed
  - Twelve new IC members added (Summer 2017)
- New Operating Procedures adopted (Fall 2017)
  - Condense, refine, and clarify previous procedures
  - Encourage and sustain IC membership
- Structured IC meetings to focus on Blueprint Actions - successes and challenges





# Results - Engagement

- Estuary Blueprint Presentation Template created for use by IC members (Summer 2017)
  - Customizable 17-slide deck with notes
- Strategic Communications Plan adopted (Summer 2018)



# Results - Tracking Progress

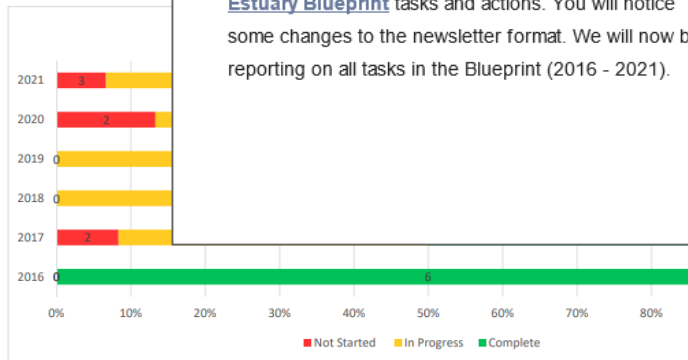
- › Action 2: Establish a regional wetland and stream monitoring program
- › Action 3: Protect, restore and enhance tidal marsh and tidal flat habitat
- › Action 4: Identify, protect, and create transition zones around the Estuary



Hello, Estuary Champions! This newsletter is your quarterly update on the implementation progress of [Estuary Blueprint](#) tasks and actions. You will notice some changes to the newsletter format. We will now be reporting on all tasks in the Blueprint (2016 - 2021).

## Table of Contents

- [Task Updates](#)
- [Success Stories](#)
- [CVA Service Award](#)
- [New Staff](#)
- [Estuary News](#)
- [A Note From SFEP](#)



## 4. Identify, protect, and create transition zones around the Estuary



Progress Tracking Success Stories Blueprint Newsletter Signup

Files and actions the community of stakeholders are undertaking to fulfill the

or plan to  
of the  
sites. 4.4 Include transition  
zones in five tidal  
restoration projects.

dal habitats

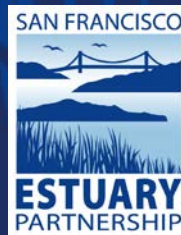
nd ponds



Efficiency Upgrades Around the Bay



# Blueprint Action Status Overview



# Blueprint Progress

All Actions – Average % Complete

Action	%	Action	%	Action	%	Action	%
Action 1: Develop and implement a comprehensive, watershed-scale approach to aquatic resource protection	23	Action 9: Minimize the impact of invasive species	50	Action 17: Improve regulatory review, permitting, and monitoring for multi-benefit climate adaptation projects	77	Action 25: Address emerging contaminants	88
Action 2: Establish a regional wetland and stream monitoring program	42	Action 10: Increase the efficacy of terrestrial predator management	8	Action 18: Improve the timing, amount, and duration of freshwater flows critical to Estuary health	53	Action 26: Decrease raw sewage discharges into the Estuary	77
Action 3: Protect, restore and enhance tidal marsh and tidal flat habitat	18	Action 11: Increase carbon sequestration through wetland restoration, creation, and management	80	Action 19: Develop long-term drought plans	87	Action 27: Implement Total Maximum Daily Load projects in the Estuary	100
Action 4: Identify, protect, and create transition zones around the Estuary	73	Action 12: Restore watershed connections to the Estuary to improve habitat, flood protection and water quality	91	Action 20: Increase regional agricultural water use efficiency	15	Action 28: Advance nutrient management in the Estuary	55
Action 5: Protect, restore, and enhance intertidal and subtidal habitats	20	Action 13: Manage sediment on a regional scale and advance beneficial reuse	44	Action 21: Reduce water use for landscaping around the Estuary	24	Action 29: Engage the scientific community in efforts to improve baseline monitoring of ocean acidification and hypoxia effects in the Estuary	100
Action 6: Maximize habitat benefits of managed wetlands and ponds	48	Action 14: Demonstrate how natural habitats and nature-based shoreline infrastructure can provide increased resiliency	45	Action 22: Expand the use of recycled water	35	Action 30: Reduce trash input into the Estuary	38
Action 7: Conserve and enhance riparian and in-stream habitats throughout the Estuary's watersheds	28	Action 15: Advance natural resource protection while increasing resiliency of shoreline communities	97	Action 23: Integrate water into the updated Plan Bay Area and other regional planning efforts	78	Action 31: Foster support by providing Estuary-oriented public access and recreational opportunities compatible with wildlife	70
Action 8: Protect, restore, and enhance seasonal wetlands	22	Action 16: Integrate natural resource protection into state and local government hazard planning	38	Action 24: Manage stormwater with low impact development and green infrastructure	99	Action 32: Champion and implement the CCMP	66

# Summary Sheet Stats

- 30 Action Summary Sheets
- Each Summary Sheet includes:
  - Owner
  - % Complete (by Task and Overall)
  - Current Status Details (including key barriers)
  - Staff Recommendation Action
  - Staff Recommended Priority for Workshop Review/Action





## **LOW PRIORITY**

- Action proceeding as planned with expectation of completion
- One or more milestones may not be met, but unlikely any strategy can be developed to achieve milestone as written but the intent of action is still being met

## **MEDIUM PRIORITY**

- Most tasks on track but minor revisions to one or more task/milestone may be needed
- Most tasks on track but additional funding/resources would improve progress

## **HIGH PRIORITY**

- One or more tasks are stalled and intent of action is not being met
- New strategy needed to advance action
- Evaluation of action needed with possible revisions of tasks, milestones, owners







# Priority Summary by Goal

## Goal 1 - Habitats and Living Resources

- High Priority - 2
- Medium Priority - 5

## Goal 2 - Climate Resilience

- High Priority - 1
- Medium Priority - 1

## Goal 3 - Water Quality and Quantity

- High Priority - 2
- Medium Priority - 4

## Goal 4 - Champion the Estuary

- High Priority - 0
- Medium Priority - 0





# Key Barriers to Implementation

- Funding/Resources/Capacity
- Time
- Prioritization
- Influence
- Relevancy
- Disconnect between action and tasks
- Leadership/Champion(s)





# WORKING GROUPS INSTRUCTIONS

- Self Select by Goal/Actions under that goal
  - Two groups for Habitats and Living Resources
  - No Champion the Estuary working group
- ½ hour for group discussion
  - Tackle all High/Med actions as a group?
  - Focus more time on 1 or more actions?
  - Divide further?
- 2 hours total of group work time (lunch break in between)
- ½ hour for report out





# WORKING GROUPS INSTRUCTIONS

## OPTIONS FOR ACTIONS

- Develop recommended strategy for moving forward within working group
  - Suggested minor revision to task or milestone to meet objective of action
  - Identification of champion, partners, funding source, workplan, etc. for achieving as written
- Identify information needs, discussion areas
  - Cue up for future IC meeting(s)
  - Set up subcommittee



**ANY AND ALL PROGRESS  
= SUCCESS!**

