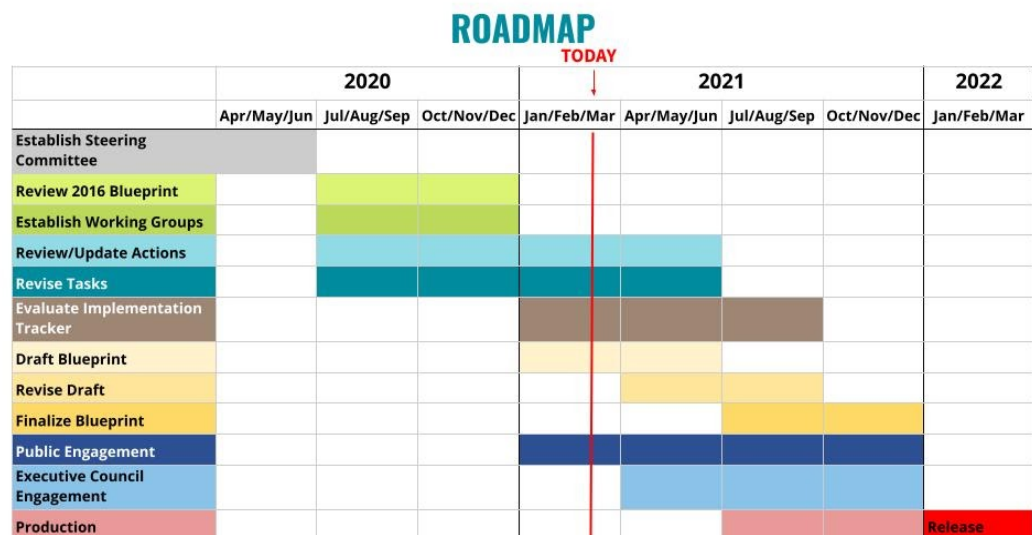


**RE: 2022 Estuary Blueprint Update**

IC members should expect to see Blueprint-related agenda items at all IC meetings through 2021. In addition, IC members may be contacted individually for input during the drafting process. The Roadmap for the update is below:



## Estuary Blueprint Update Progress Report: March 2021

### Action 1: Develop and implement a comprehensive, watershed-based approach to aquatic resource protection

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Tasks considered incomplete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Action recommended by Steering Committee to not pursue as updated separate action, topic should inform all actions</li> </ol> |

### Action 2: Establish a regional wetland and stream monitoring program

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Tasks considered incomplete but substantial progress made  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Working Group Meetings #1 and 2 held with Wetland Regional Monitoring Program (WRMP) Core Team: Mike Vasey (SFBayNERR), Luisa Valiela (EPA), Xavier Fernandez (SFBRWQCB), Donna Ball (SFEI), Erika Castillo (Alameda County Mosquito Abatement District), Jessie Olson (Save the Bay), Dave Halsing (South Bay Salt Pond Restoration Project), Mike Chotkowski (USGS)</li> <li>3. Working Group Meeting #3 to be held in conjunction with WRMP Steering Committee meeting in March</li> </ol> |

### Action 3: Protect, restore, and enhance tidal marsh and tidal flat habitat

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

### Action 5: Protect, restore, and enhance intertidal and subtidal habitats

### Action 6: Maximize habitat benefits of managed wetlands and ponds

### Action 7: Conserve and enhance riparian and in-stream habitats

### Action 8: Protect, restore, and enhance seasonal wetlands

### Action 9: Minimize the impact of invasive species

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All tasks considered incomplete.   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. One-on-one meetings have been held with key partners and stakeholders including Sandra Scoggin (SFBayJV), Marilyn Latta (State Coastal Conservancy), and Kathy Boyer (EOS), among others.</li> <li>3. The overall major themes for the update are to add in additional measures of progress besides acres, and to add in equity components.</li> <li>4. Staff will be meeting to consolidate notes from individual meetings.</li> <li>5. Working Group kick-off meeting to be scheduled.</li> </ol> |

**Action 10: Increase the efficacy of terrestrial predator management**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Tasks considered incomplete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Action recommended by Steering Committee to be discontinued due to lack of funding and progress on all tasks.</li> </ol> |

**Action 11: Develop processes for increasing carbon sequestration through wetland restoration, creation, and management**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Meetings scheduled for 3/2/21 and 3/15/21 with action level work group.</li> <li>3. Action level group includes Lindsay Correa (DWR), Luisa Valiela (IC member, EPA), Dan Constable (IC member, DSC), Arthur Feinstein (IC member, CCCR), Matt Ferner (EOS), Julia Kelly (BCDC), Campbell Ingram (IC member, Delta Conservancy), and Lisamarie Windham-Myers (USGS)</li> </ol> |

**Action 12: Restore watershed connections to the Estuary to improve habitat, flood protection, and water quality**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All tasks considered complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. First of two action level meetings was held on 2/23/21. Second meeting will be held on 3/30/21.</li> <li>3. Action level group includes Lindsay Correa, Luisa Valiela, Dan Constable, Arthur Feinstein, Jessica Davenport (Coastal Conservancy), and Virgilio Cuasay (Coastal Conservancy)</li> </ol> |

**Action 13: Manage sediment on a regional scale and advance beneficial reuse**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Most tasks considered incomplete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Three action level meetings are scheduled for 3/4/2021, 3/19/2021, and 3/26/2021</li> <li>3. Action level group includes Sandra Scoggin, Luisa Valiela, Arthur Feinstein, Matt Ferner, Scott Dusterhoff (SFEI), Julia Kelly, Laura Cholodenko (Coastal Conservancy), Renee Spenst (Ducks Unlimited), and Ian Wren (SF Baykeeper)</li> </ol> |

**Action 14: Demonstrate how natural habitats and nature-based shoreline infrastructure can provide increased resilience to changes in the Estuary environment**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Several tasks considered incomplete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Three action level meetings are scheduled for 3/3/2021, 3/18/2020, and 3/24/2021</li> <li>3. Action level group includes Luisa Valiela, Campbell Ingram, Jeremy Lowe, Arthur Feinstein, Sandra Scoggin, Brenda Goeden, Julia Kelly, Marilyn Latta,</li> </ol> |

**Actions 15: Advance natural resource protection while increasing resiliency of shoreline communities in the Bay Area**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All tasks complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Bay Adapt process serving as workgroup to identify next steps/actions to advance Bay shoreline resilience planning and implementation through the Joint Platform. SFEP participating on subcommittee to refine Joint Platform.</li> <li>2. SFEP co-hosted Environmental Focus Group meeting for Bay Adapt to get feedback on Draft Joint Platform regarding environmental interests.</li> <li>3. SFEP, BARC, BCDC, and ABAG/MTC holding regular cross agency staff meetings to coordinate resilience planning efforts (Bay Adapt, Plan Bay Area, Estuary Blueprint)</li> <li>4. Delta Adapts serving as platform to identify next steps/actions to advance resilience in Delta region. Coordinated presentations from DSC, BCDC, ABAG/MTC, and SFEP given at BCDC Commission Meeting and SFEP Implementation Committee.</li> <li>5. Coordinating with workgroups for Actions 14 and 23.</li> </ol> |

**Actions 16: Integrate natural resource protection into state and local government hazard mitigation, response, and recovery planning**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Delta task complete, little progress made on Bay tasks   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete.</li> <li>2. Discussions with ABAG Planning staff and Bay Adapt working groups for ideas on how to advance intent of action with new tasks focused on integrating resilience planning, general plans, and hazard planning.</li> </ol> |

**Actions 17: Improve regulatory review, permitting, and monitoring processes for multi-benefit climate adaptation projects**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | All tasks complete or close to completion   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Bay Adapt process serving as workgroup to identify next steps/actions to advance regulatory improvements through the Joint Platform. SFEP participating on subcommittee to refine Joint Platform.</li> </ol> |

**Action 18: Improve the timing, amount, and duration of freshwater flows**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. One on one calls held with Felicia Marcus (Stanford); Chris Kwan (Delta Stewardship Council); Jon Rosenfield (SF Baykeeper); Heinrich Albert (Sierra Club).</li> <li>3. New task topics under consideration: Tribal consultation; instream flow needs of smaller Bay and Delta tributaries</li> <li>4. Working Group kick-off meeting to be scheduled</li> </ol> |

**Action 19: Develop long-term drought plans**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Most tasks considered complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. One on one calls held with DWR, Zone 7, BARR/EBMUD, DSC, Office of Delta Watermaster</li> <li>3. Conclusion was to consider Action complete and remove from the update</li> <li>4. Presented to and approved by the Steering Committee</li> </ol> |

**Action 20: Increase regional agricultural water use efficiency**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Both tasks partially complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. 2019 IC Retreat and Steering Committee recommended discontinuing this as a separate action</li> <li>3. One on one calls held with Felicia Marcus, Office of the Delta Watermaster, EBMUD, Zone 7</li> <li>4. Proposal to develop a new, more broadly defined Water Use Efficiency Action presented to and approved by the Steering Committee</li> </ol> |

**Action 21: Reduce water use for landscaping around the Estuary**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. 2019 IC Retreat and Steering Committee recommended discontinuing this as a separate action</li> <li>3. One on one calls held with Felicia Marcus, Office of the Delta Watermaster, EBMUD, Zone 7, DWR</li> <li>4. Proposal to develop a new, more broadly defined Water Use Efficiency Action presented to and approved by the Steering Committee</li> </ol> |

**Action 22: Expand the use of recycled water**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Tasks are roughly half completed  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. One on one calls held with David Sedlak and Sasha Harris-Lovett (UC Berkeley ReNUWiT), and with BACWA as well as staff.</li> <li>3. Next steps are to form working group for revision to tasks.</li> </ol> |

**Action 23: Integrate water into the updated Plan Bay Area and other regional planning efforts**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All but one task considered complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Developing strategy for action level meeting TBD</li> <li>3. Action level group considered: Michael Germeraad (ABAG/MTC), Rachel Hartofelis (ABAG/MTC), Allison Brooks (BARC), Teresa Rommell (ABAG/MTC)</li> </ol> |

**Action 24: Manage stormwater with low impact development and green infrastructure**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Tasks mostly completed   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Developing strategy for action level meeting TBD</li> <li>3. Action level group considered: Tony Hale (SFEI), Keith Lichten (SFBRWQCB), Matt Fabry (San Mateo Countywide Water Pollution Prevention Program), Mitch Avalon (Contra Costa County Public Works), Teresa Rommel (ABAG/MTC), Michael Germeraad (ABAG/MTC), Melissa Gunter (SFBRWQCB)</li> </ol> |

**Action 25: Address emerging contaminants**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Most tasks considered complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete.</li> <li>2. Meeting with Tom Mumley (RWQCB) and Luisa Valiela (EPA) where we briefly touched on the topic. Tom would like to further discuss legislative action.</li> <li>3. Also, phone call with Tony Hale (SFEI) and Darcie Luce where we briefly touched on the topic.</li> <li>4. Need to contact Karin North with the City of Palo Alto per Tom's suggestion.</li> <li>5. Working Group kickoff meeting with Joanne Brasch (CSPC) to be scheduled during the first week of March.</li> </ol> |

**Action 26: Decrease raw sewage discharges into the Estuary**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete or on course – minor revisions needed  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Team call between Clean Vessel Act Grant Management (Division of Boating and Cal State Parks – Vivian Matuk, Keren Dill, and Debbie Holmes) and SFEP program staff (Natasha, Liz, James)</li> <li>3. New task topics under consideration: opportunity to fund liveaboard use of publicly funded sewage management resources, supplement match funding for marinas in need of replacement parts, consideration of floating restroom installation and maintenance, septic relief pilot project to facilitate sewage hauling from remote regions in the Sac/SJ Delta, move away from working with Bay Area Pollution Prevention Group.</li> <li>4. Working Group meetings will be more informal/email-based and offer opportunities for task iteration</li> </ol> |

**Action 27: Implement Total Maximum Daily Load projects in the Estuary**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All tasks considered complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. January meeting with Tom Mumley (Water Board) and Luisa Valiela (EPA). Tom offered to discuss TMDL implementation needs with Water Board staff.</li> <li>3. In contact with Xavier Fernandez for possible Division meeting presentation and for kickoff meeting.</li> <li>4. Working Group kickoff meeting to be scheduled, request has been sent.</li> </ol> |

**Action 28: Advance nutrient management in the Estuary**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete or on course – minor revisions needed  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Call with Oro Loma/UC Berkeley Team (Angela Stiegler, Aidan Cecchetti, Rachel Scholes), call with RWQCB's Nutrient Management Strategy group, call with ReNUWit/BAOWN (David Sedlak, Sasha Harris-Lovett)</li> <li>3. New task topics under consideration: Draw on additional Delta-specific research, integrate Transforming Urban Waters Initiative (TrUW) work into long-term tasks/funding, improved tracking of funding - resources and amounts.</li> <li>4. Working Group kick-off meeting to be scheduled. Recommended tasks expected from UCB group and WB NMS group in coming weeks.</li> </ol> |

**Action 29: Engage the scientific community in efforts to improve baseline monitoring of ocean acidification and hypoxia effects in the Estuary**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | Both tasks considered complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Ongoing need for this Action evaluated by the Steering Committee, which recommended that this Action not be continued in the update.</li> </ol> |

**Action 30: Reduce trash input into the Estuary**

|                         |  |
|-------------------------|--|
| <b>2016 CCMP Status</b> | All tasks considered incomplete but with progress made   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Small group meetings held with Tom Mumley (SFBRWQCB) and Luisa Valiela (EPA) in January, and with Tony Hale (SFEI) in February.</li> <li>3. Working Group kickoff meeting to be scheduled. In contact with Water Board, SFEI, and EOA.</li> </ol> |

**Action 31: Foster support for resources protection and restoration by providing Estuary-oriented public access and recreational opportunities compatible with wildlife**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Tasks 70% complete  |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete</li> <li>2. Developing strategy for action level meeting TBD</li> <li>3. Action level group considered: Arthur Feinstein, Juliana Gonzales, Lee Huo, Princess Robinson, Adam French, Ingrid Sterns, Sean Dougan, Jeremy Terhune, Julio Franco</li> </ol> |

**Action 32: Champion and implement the CCMP**

|                         |   |
|-------------------------|---|
| <b>2016 CCMP Status</b> | Most tasks considered complete or nearly complete   |
| <b>Progress to Date</b> | <ol style="list-style-type: none"> <li>1. Reviews of 2016 CCMP Implementation Tracker and 2019 IC Retreat notes complete.</li> <li>2. Initial internal meeting among staff to evaluate direction of this Action</li> <li>3. One on one conversations with Regional Communications Team leads held</li> <li>4. Developing strategy for Action-level meeting</li> </ol> |