

# C/CAG

## CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

*Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park  
Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

**1:15 PM, Thursday, October 16, 2014**  
**San Mateo County Transit District Office<sup>1</sup>**  
**1250 San Carlos Avenue, 2<sup>nd</sup> Floor Auditorium**  
**San Carlos, California**

**NOTE REVISED START TIME**

## STORMWATER (NPDES) COMMITTEE AGENDA

- |   |            |              |
|---|------------|--------------|
| 1. Public comment on items not on the Agenda (presentations limited to three minutes).  | Breault    | No materials |
| 2. Issues from C/CAG Board (August, September, & October 2014): <ul style="list-style-type: none"><li>(August) Action – Review and approve Resolution 14-34 accepting the stormwater funding initiative “Revenue Measure Feasibility Study – Survey Report” documenting public opinion research for a potential countywide stormwater funding initiative. (Approved)</li><li>(August) Action – Review and approve the appointments of Saber Sarwary, Chip Taylor, and Jesse Quirion to represent the Cities of Redwood City, Millbrae, and Menlo Park, respectively, on the Stormwater Committee (Approved)</li><li>(September) Action – Review and approve Resolution 14-36 authorizing the C/CAG Chair to execute a funding agreement with the Bay Area Water Supply and Conservation Agency in an amount not to exceed \$25,000 for a pilot countywide rain barrel rebate program. (Approved)</li><li>(October) Action – Review and approval of Resolution 14-44 authorizing the C/CAG Chair to execute Amendment No. 2 to the agreement with San Mateo County’s Division of Environmental Health, extending the contract through June 30, 2015 at a cost not to exceed \$162,020 to continue implementing public education and outreach activities in accordance with the Municipal Regional Permit. (Outcome to be verbally reported at meeting)</li></ul> | Fabry      | No materials |
| 3. ACTION – Review and approve July 17, 2014 Stormwater Committee meeting minutes   | Fabry      | Pages 1-4    |
| 4. INFORMATION – Receive a presentation on Regional Water Board staff’s proposed framework for the second term of the Municipal Regional Permit   | Mumley     | Page 5       |
| 5. INFORMATION – Receive presentation on City of San Mateo’s Sustainable Streets Plan   | Chin/Fabry | Page 6       |
| 6. INFORMATION – Receive update on Municipal Regional Permit reissuance   | Fabry      | Pages 7-45   |
| 7. INFORMATION – Receive update on Potable Water Discharge Permit   | Fabry      | Page 46      |
| 8. INFORMATION – Receive update on State legislation with relevance to stormwater   | Fabry      | Pages 47-48  |
| 9. Regional Board Report  | Mumley     | No Materials |
| 10. Executive Director’s Report   | Wong       | No Materials |
| 11. Member Reports  | All        | No Materials |

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<sup>1</sup> For public transit access use SamTrans Bus lines 390, 391, 292, KX, PX, RX, or take CalTrain to the San Carlos Station and walk two blocks up San Carlos Avenue. Driving directions: From Route 101 take the Holly Street (west) exit. Two blocks past El Camino Real go left on Walnut. The entrance to the parking lot is at the end of the block on the left, immediately before the ramp that goes under the building. Enter the parking lot by driving between the buildings and making a left into the elevated lot. Follow the signs up to the levels for public parking. Persons with disabilities who require auxiliary aids or services in attending and participating in this meeting should contact Nancy Blair at 650 599-1406, five working days prior to the meeting date.

## **C/CAG AGENDA REPORT**

Date: October 16, 2014  
To: Stormwater Committee  
From: Matthew Fabry, Program Coordinator  
Subject: Review and approve July 17, 2014 Stormwater Committee meeting minutes  
(For further information or questions contact Matthew Fabry at 650 599-1419)

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### **RECOMMENDATION**

Review and approve July 17, 2014 Stormwater Committee meeting minutes as drafted.

### **ATTACHMENTS**

1. Draft July 17, 2014 Minutes

**STORMWATER COMMITTEE**  
**Regular Meeting**  
**Thursday, July 17, 2014**  
**2:30 p.m.**

**DRAFT Meeting Minutes**

The Stormwater Committee met in the SamTrans Offices, 1250 San Carlos Avenue, San Carlos, 4<sup>th</sup> Floor Dining Room. Attendance at the meeting is shown on the attached roster. In addition to the Committee members, also in attendance were Sandy Wong (C/CAG Executive Director), Matt Fabry (C/CAG Program Coordinator), Dave Bishop (Colma), Gary DeJesus (City of San Mateo), John Fuller and Cynthia Royer (Daly City), Jim Eggemeyer (San Mateo County), John Hoang (C/CAG), Jon Konnan (EOA, Inc.), Jerry Bradshaw and Jennifer Per Lee (SCI Consulting Group), and Geoff Brosseau (CASQA). Chair Breault called the meeting to order at 2:55 p.m.

1. Public comment: None
2. Issues from last C/CAG Board meeting: Staff member Fabry indicated the C/CAG Board had received updates on the potential countywide funding initiative.
3. Approval of Minutes: The draft minutes from the February 20, 2014 and April 17, 2014 meetings were approved unanimously. (Motion: Walter, Second: Fuller)
4. INFORMATION – Presentation on California Stormwater Quality Association (CASQA). Geoff Brosseau, Executive Director of CASQA, gave a presentation on the organization's achievements and future plans. C/CAG, through its San Mateo Countywide Water Pollution Prevention Program (SMCWPPP), annually purchases an area-wide membership to CASQA on behalf of its member agencies. CASQA's accomplishments in 2013 include 1) revamping its website for an improved user experience, 2) representing its members via comment letters and testimony related to various water quality regulatory issues (e.g., receiving water limitations, pesticide registration, EPA rulemaking on waters of the US, and the statewide trash amendment), and 3) holding the 9<sup>th</sup> annual CASQA conference. Looking forward, CASQA is tracking the above regulatory issues and other statewide issues (e.g., bio-objectives, bacteria, and the stormwater strategic plan) and will comment as necessary. CASQA is also developing its own strategic plan, multi-decade stormwater quality management vision, and various stormwater quality handbooks, manuals, training programs, and web portals. Geoff concluded by mentioning that CASQA's Annual Report and schedules for various committees are available on its web site (casqa.org) and told the group to feel free to submit feedback or requests for statewide efforts to him or C/CAG staff member Matt Fabry.
5. ACTION – Recommend the C/CAG Board accept the stormwater funding initiative Opinion Research Final Report. Jerry Bradshaw (SCI Consulting Group) gave a presentation summarizing the results of the opinion research as presented in the report. Telephone and mail surveys were conducted to gauge levels of support for the initiative at different fee levels, test various projects, programs and messages to determine key community priorities, and provide support data by each individual municipality in San Mateo County. Bradshaw presented details about the methodologies used, the survey results, and the community priorities that the survey revealed were most important. Overall the survey results suggest 1) solid support for the initiative at rates of \$24 and \$30, 2) environmental and water quality issues rank higher than controlling tax increases, and 3) community priorities align well with stormwater program goals. Challenges include 1) bringing C/CAG members to agreement on moving forward, 2) accurately determining future stormwater program needs (e.g., to address PCBs and trash), and 3) passing authorizing legislation that would allow C/CAG to sponsor the initiative. The

Committee voted unanimously to recommend that the C/CAG Board accept the report. (Motion: Oskoui, Second: Underwood)

6. INFORMATION – Update on PCBs/Mercury Planning and Data Collection. Matt Fabry and Jon Konnan (EOA, Inc.) gave a brief presentation on 1) findings from pilot studies and other work conducted under the current stormwater permit term, 2) findings from the funding initiative Needs Analysis, 3) current efforts to work with municipalities with substantial old industrial land uses to identify potential new pollutant source areas, and 4) the status of working with Regional Water Board staff to develop a PCBs/Mercury permit language framework for the upcoming reissuance of the stormwater permit. A new vision under consideration is a multi-decade program to gradually incorporate Green Infrastructure (GI) across the urban landscape. GI potentially provides multiple benefits, including treating stormwater runoff to reduce discharges of PCBs and mercury. The current thinking is that while part of the PCBs and mercury load could be addressed by identifying and cleaning up sources in old industrial areas, much of the load may need to be addressed by treatment with GI because these legacy pollutants have become so widely dispersed in the urban environment. GI planning and projects may provide the opportunity to integrate reducing pollutant loads with other drivers and funding sources such as transportation projects. However, there is currently large uncertainty about the effectiveness and short and long-term costs of such an approach.

7. INFORMATION – Update on Municipal Regional Permit Reissuance. Matt Fabry briefly gave an update on this topic. He noted that recent meeting minutes from the MRP 2.0 Steering Committee and its workgroups were attached to the agenda package. The GI Workgroup is discussing long-term GI master planning and implementation to address both roadway reconstruction issues and pollutants such as PCBs and mercury. Regional Board Staff anticipates releasing a permit Tentative Order for public review in February 2015 and that the effective date of an adopted permit would be July 1, 2015.

8. INFORMATION – Update on Potential Changes to MRP Potable Water Discharge Permitting. Matt Fabry gave a brief overview of developments around this topic, which is most pertinent to local agencies that are potable water purveyors. Potable water discharges from these municipalities are currently regulated under Provision C.15 of the municipal stormwater permit. Matt noted that EBMUD originally wanted a new NPDES permit because it does not currently have this type of coverage. The Bay Area Regional Water Board and the State Water Resources Control Board have released regional and statewide draft general permits, but the Bay Area permit process was recently put on hold to allow the statewide process to proceed. Either of these permits could impact local agencies that are water purveyors and currently covered by the stormwater permit, though the statewide permit appears less onerous. One important issue is that both draft permits include a Numeric Effluent Limit (NEL) for chlorine which could lead to onerous Mandatory Minimum Penalties. SMCWPPP will prepare comment letters on the draft permits, which will include a request that NELs be replaced by benchmarks or targets.

9. Regional Board Report: NONE – Regional Board staff was not present.

10. Executive Director's Report: Sandy Wong, C/CAG Executive Director, noted that she and Matt Fabry plan to evaluate to structure of C/CAG's stormwater program and associated committees and workgroups addressing stormwater permit compliance.

11. Member Reports: NONE

Meeting was adjourned at 4:10 p.m.

2014 Stormwater Committee Roster					
Agency	Representative	Position	Feb	Apr	July
Atherton	Gordon Siebert	Public Works Director	X	X	
Belmont	Afshin Oskoui	Public Works Director	X	X	X
Brisbane	Randy Breault	Public Works Director/City Engineer	X	X	X
Burlingame	Syed Murtuza	Public Works Director	X	X	X
Colma	Brad Donohue	Director of Public Works and Planning	X		O
Daly City	Patrick Sweetland	Director of Water & Wastewater	O	X	O
East Palo Alto	Kamal Fallaha	City Engineer			X
Foster City	Brad Underwood	Public Works Director	X		X
Half Moon Bay	Mo Sharma	City Engineer	X		X
Hillsborough	Paul Willis	Public Works Director	X		
Menlo Park	Jesse Quirion	Interim Public Works Director	X	O	X
Millbrae	Charles Taylor	Public Works Director			
Pacifica	Van Ocampo	Public Works Director/City Engineer	X	X	
Portola Valley	Howard Young	Public Works Director			X
Redwood City	Saber Sarwary	Supervising Civil Engineer			X
San Bruno	Jimmy Tan	City Engineer	X	X	
San Carlos	Jay Walter	Public Works Director	X		X
San Mateo	Ray Towne	Interim Public Works Director	X	X	O
South San Francisco	Brian McMinn	Public Works Director	X	X	X
Woodside	Paul Nagengast	Deputy Town Manager/Town Engineer	O		X
San Mateo County	Jim Porter	Public Works Director	X		O
Regional Water Quality Control Board	Tom Mumley	Assistant Executive Officer	O		

"X" - Committee Member Attended

"O" - Other Jurisdictional Representative Attended

## **C/CAG AGENDA REPORT**

Date: October 16, 2014

To: Stormwater Committee

From: Matthew Fabry, Program Coordinator

Subject: Receive a presentation on Regional Water Board staff's proposed framework for the second term of the Municipal Regional Permit

(For further information or questions contact Matthew Fabry at 650 599-1419)

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### **RECOMMENDATION**

Receive a presentation on Regional Water Board staff's proposed framework for the second term of the Municipal Regional Permit. Committee Member Mumley, Assistant Executive Officer for the San Francisco Bay Regional Water Quality Control Board (Water Board), will provide the presentation.

### **BACKGROUND**

The Municipal Regional Permit (MRP) went into effect on December 1, 2009. As a National Pollutant Discharge Elimination System (NPDES) permit, it has a five-year term and expires on November 30, 2014. Regional Board staff intends to release a draft revised MRP (MRP 2.0) in February 2015 with the intent that it be adopted in time to go into effect by July 1, 2015. Dr. Mumley will present Water Board staff's proposed framework for MRP 2.0 in anticipation of releasing the tentative order in early 2015. His presentation will focus on the big picture issues associated with reissuance.

## **C/CAG AGENDA REPORT**

Date: October 16, 2014  
To: Stormwater Committee  
From: Matthew Fabry, Program Coordinator  
Subject: Receive presentation on City of San Mateo's Sustainable Streets Plan

(For further information or questions contact Matthew Fabry at 650 599-1419)

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### **RECOMMENDATION**

Receive presentation on City of San Mateo's Sustainable Streets Plan. City staff member Kenneth Chin and C/CAG staff Fabry will provide the presentation.

### **BACKGROUND**

The City of San Mateo is in the midst of developing a Sustainable Streets Plan that integrates Complete Streets and Green Streets elements. This plan has been presented at the Municipal Regional Permit Reissuance (MRP 2.0) Steering Committee and has been touted by Regional Water Board staff as an example of the type of green infrastructure master planning efforts they would like to see municipalities undertake under MRP 2.0. The presentation will detail the basic elements of the plan, including timeline for adoption and transferable elements other jurisdictions could incorporate into their own efforts, as well as a discussion of how the plan aligns with MRP and other regional priorities, including climate change and transportation investments.

## **C/CAG AGENDA REPORT**

Date: October 16, 2014  
To: Stormwater Committee  
From: Matthew Fabry, Program Coordinator  
Subject: Receive update on Municipal Regional Permit reissuance

(For further information or questions contact Matthew Fabry at 650 599-1419)

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### **RECOMMENDATION**

The following section and attached materials summarize current status of ongoing discussions with Regional Water Board staff regarding major issues to be addressed through the reissuance process.

### **BACKGROUND**

The Municipal Regional Permit (MRP) went into effect on December 1, 2009. As a National Pollutant Discharge Elimination System (NPDES) permit, it has a five-year term and expires on November 30, 2014. Regional Board staff intends to release a draft revised MRP (MRP 2.0) in February 2015 with the intent that it be adopted in time to go into effect by July 1, 2015. San Mateo permittees jointly submitted an application for reissuance, called a Report of Waste Discharge (ROWD), on June 2, 2014.

The BASMAA-convened Steering Committee of Regional Water Board staff, countywide program managers from the MRP area, and select Permittee representatives from each county regulated by the MRP continues to meet to discuss key issues. In addition to the Steering Committee, there have been ongoing discussions at a Green Infrastructure workgroup.

At the October 2 Steering Committee, Assistant Executive Officer Mumley presented Regional Water Board staff's proposed framework for the reissued permit, which is anticipated to be out for public comment in February and adopted by the Water Board in time to go into effect on July 1, 2015.

Available minutes and materials from recent Steering Committee and Workgroup meetings are attached.

### **ATTACHMENTS**

1. September 2014 Steering Committee meeting minutes/handouts
2. June 2014 Green Infrastructure Workgroup meeting minutes/handouts

**MRP 2.0 Steering Committee Meeting Notes**  
**September 4, 2014, 1:00 to 4:00 pm**  
State Building, 1515 Clay St., Oakland CA, 2nd Floor Room 15

**I. Introductions, Announcements, Changes to Agenda**

- Matt Fabry (BASMAA Chair, SMCWPPP) opened the meeting. Members introduced themselves and a sign-in sheet was passed around (Attachment 1). Matt moved Item V, the C.8 update, before the update on Green Infrastructure approach (Item IV.). No other changes were made to the agenda (Attachment 1) and no announcements were made.

**II. Summary of Progress on Action Items from Previous Meeting(s)**

- Adam Olivieri (SCVURPPP Program Manager, EOA) provided a quick summary of the status of the six (6) action items listed in the June 5, 2014 meeting notes (Attachment 2):
  - #1 – in progress and will be discussed as part of agenda item III.
  - #2 – completed and will be distributed as part of agenda item IV.
  - #3 – in progress and schedule will be discussed as part of agenda item IV.
  - #4 – in progress and part of agenda item V.
  - #5 - completed. Adam noted that the BASMAA Board of Directors (BOD) and Tom Mumley (RWB, AEO) met with Caltrans representatives from headquarters and District IV on August 28, 2014. He noted that the meeting was very productive, and that the BASMAA Executive Director will work with Caltrans Chief Environmental Engineer Scott McGowen to convene a work group of Caltrans and BASMAA representatives to further explore collaborative implementation.
  - #6 – in progress and part of agenda item VII.

**III. Update from POCs Workgroup**

**A. *Update on information/progress relative to ongoing data gathering process to inform MRP 2.0 (e.g., identifying new high opportunity areas).***

- Jon Konnan (SMCWPPP/EOA) made a presentation on the information gathering process to inform MRP 2.0 (Attachment 3).
- Tom M. – noted that a number of businesses continued to handle PCBs after the phase out date – this date should not be considered a “black line”. Jon noted that this concern is understood by the POC workgroup, and noted that the focus is on prioritization and the date is part of the prioritization criteria.
- Jon noted that the schedule and scope of work differs somewhat among the countywide programs but the plan is to make as much progress as possible with the data gathering by early next year to inform the permit Tentative Order release for public review anticipated in February 2015.

**B. *Status on developing draft MRP 2.0 language, including how informed by the RMP’s PCBs Synthesis document and new data from other regions.***

*Permit language framework*

- Jon continued the presentation (Attachment 3) providing a summary of the MRP 2.0 framework for developing MRP 2.0 language as well as noting associated assumptions and concerns.
  - Performance standard for load reduction during permit term
    - 1-5 kg/yr suggested by RWB staff for Bay area
    - Have not determined how to divide up among counties. Population was used for wasteload allocations but may not be a good indicator.
  - Accounting system using field monitoring data and/or BMP crediting
  - Implementation plan to meet performance standard with focus on high opportunity watersheds during MRP 2.0 permit term
  - Long term plan to address moderate opportunity watersheds using green infrastructure
  - Other requirements - risk communication and exposure reduction, and study of PCBs in storm drain and roadway infrastructure caulk
- Jon – noted that at the end of MRP 2.0 permit term the PCBs TMDL will reach the 10 yr. check-in for updating, and it is important to make sure we are prepared for this and document what we have learned through investigations conducted as part of MRP 1.0, US EPA grant (CW4CB), and the Regional Monitoring Program PCBs Synthesis report (e.g., Bay modeling needs improvement).
- Tom M. – noted that the WB staff is flexible in how the performance standard is met and will allow permittees to prioritize focus areas.
- Chris Sommers (SCVURPPP/EOA) – noted that one of the key challenges with the trash approach was trying to develop plans at the same time that the accounting methodology was being developed. He expressed concern that the same thing will happen with PCBs and cautioned the group to first work out the accounting approach before launching into expanded implementation planning.
- Richard Looker (SFBRWQCB) – noted that he thinks the plans should initially focus on what to do and where, and separate this from development of a credit or accounting approach.
- Chris S. – cautioned that if we can't agree on the reduction benefits, then how can local agencies and the RWB evaluate the cost/benefit of different options?
- Melody Tovar (City of Sunnyvale) – noted that we have a huge data gap to fill before we can develop an accurate accounting methodology.
- Chris S. – agreed and noted that we have gained some knowledge during MRP 1.0, but not enough.
- Dan Cloak (CCCWP/Dan Cloak Consulting) – the barrier to doing this is not lack of knowledge but the variability in PCBs control measure effectiveness.
- Tom M. – WB staff has not agreed that planning alone is acceptable. Thus, don't assume that we will not have to do any implementation during MRP 2.0. In "dirty" areas, it's a given that you will need to install some type of stormwater treatment infrastructure. A menu of simply "soft" actions will not sell. Some early implementation (such as with green infrastructure) will be needed, and some are already in the works. In the LA permit, if permittees choose to do the watershed management plan route, they also have to do some capital improvement projects to begin implementation.
- Tom M. – noted that he was ok with the outline contained in the Long Term Planning slide and that the third bullet ("Opportunistic early implementation of GI") is key.

*PCBs in caulk/sealants*

- Jon noted that previous SFEI/SFEP studies indicated that nonresidential buildings built between 1950-1970 have an estimated average of 5 kg per building, but there is significant uncertainty relative to how much is released during demolition/renovation to the environment, and how much ultimately makes it way to receiving waters. He noted that the POC work group is discussing the concept of a PCB monitoring requirement in selected demolition/renovation permits. He mentioned that there are potentially significant challenges with liability for abatements that would be required if high levels of PCBs were found. He further noted that it is unclear how credit towards meeting a performance standard would be measured without monitoring. Finally, he noted that this approach should be considered as one of the options on the source control menu, rather than requiring universal testing of PCBs as part of demolition/renovation permits.
  - Tom M. – agreed that it is complicated subject but that the effort may be worth tackling if it would make significant progress toward the performance standard. Challenges local agencies to address PCBs in caulks/sealants more comprehensively than just making this BMP an option on a menu. Tom noted that the WB preferred not to regulate through a plan, but have realistic performance measures that can be met through flexible plans. This is an area in which they are obligated to push permittees and welcomes creative thinking on the subject.
  - Tom Dalziel (CCCWP, Program Manager) – noted that this situation is similar to how we have dealt with pesticides. We should partner with regional and State agencies on regulatory requirements and inspections. He noted that this issue and concept should be dealt with as part of the ongoing State Stormwater Strategy.
  - Tom M. – noted that he sees the parallel; it fits into the theme of “true source control” but that the State may not have capacity to deal with it within a reasonable time frame. He will make sure that the State considers it in the True Source Control “bin” as part of developing the State’s Stormwater Strategic Initiative.
  - Kathy Cote (City of Fremont) – how does monitoring demolition sites fit into the overall scheme?
  - Jon – noted that the best approach would be similar to addressing asbestos – screen sites/abate/dispose/receive credit, all before the demolition or renovation occurs. He noted that criteria for identifying most relevant buildings could be established.
  - Jon – further noted that in an ideal world, all parties would work with the state and/or EPA to establish requirements similar to asbestos but it could require a very long timeframe to develop and achieve such a program.

*Concluding Remarks and Action Item*

- Tom M. – noted that the goal is to have a complete draft permit (internal administrative draft) by the end of October and that the WB staff needs to share with other parties. He liked the suggestion put forth by the BASMAA BOD for holding local workshops with permittees to present a summary of the draft provisions. He noted that after workshops there would be some time and opportunity to fine tune concepts and provision language prior to developing a formal Tentative Order. He is planning to share a concept document at the October SC meeting (not a draft permit) and encouraged the various work groups to provide input early in October to him and his staff. He noted that the WB staff plans to have a Tentative Order out for public review by Jan/Feb 2015.
- Matt F. – cautioned that the MRP must be prepared in a fashion that is fundable by local agencies, and where feasible, set up to allow for securing grant and bond funds.

**ACTION ITEM #1 – Jon to work with the POC work group and WB staff to pull together input (conceptual points) on the POC conceptual framework for MRP 2.0, seek input from BASMAA Phase I managers and share with Richard and Tom M prior to October SC Meeting.**

#### **IV. Update on C.3 White Paper**

*Summary of progress to date on LID White Paper and provide/discuss summary table on C3 and LID paper per June 5 Action Item #2.*

- Jill Bicknell (SCVURPPP/EOA) - provided an update on the White Paper being prepared by Dan Cloak and EOA under contract to BASMAA. The purpose of the White Paper is to describe the vision for LID implementation in the Bay Area and present technical data to support the proposed approach for MRP 2.0. Jill distributed a table linking the key C.3 issues to previous information provided, Permittee recommendations and additional information to be provided in the White Paper (Attachment 4), per Action Item #2 from the June 5, 2014 SC meeting. The attached summary table was discussed at the work group meeting and briefly discussed with Tom M. at the August BASMAA monthly Board meeting. Portions of the data analysis and White Paper text have been completed. The current schedule is to complete the draft White Paper by September 26 for discussion with the BASMAA Development Committee, and reviewed at the October MRP Steering Committee meeting. The draft White Paper will be vetted with Permittees during October and then provided to Water Board staff.

**ACTION ITEM #2– Jill and Dan to complete draft White Paper for BASMAA Board and Development Committee review by September 26, and review at the October SC Meeting.**

#### **V. Update from Green Infrastructure Workgroup**

*Update on status of developing green infrastructure planning approach and MRP 2.0 draft language (C.3/C.11/C.12). Review draft Conceptual Areas of Agreement developed in discussions between Water Board staff and BASMAA internal work group.*

- Jill B. – gave a presentation (Attachment 5) and distributed a handout (Attachment 6) on the conceptual framework for GI, focusing on areas of agreement with WB staff, and possible MRP 2.0 tasks. Discussion:
  - Tom Mumley - raised the issue of “avoiding missed opportunities” and made a reference to recent projects in Oakland. Tom Dalziel noted that the GI provision would have built-in incentives for municipalities not to miss such opportunities. Jill added that the initial steps of educating department staff and getting buy-in would facilitate identification of GI opportunities. Bottom line is that allowing local agencies to include the approach for recognizing lost opportunities into local guidance/regulations allows for an easier approach to local agency continuous improvement.
  - Leslie Estes (City of Oakland) - noted the need to define “GI” and consider whether it includes some non-LID components. Jill agreed and stated we need to discuss with WB staff whether high rate tree well filters can be considered; tree well filters may be a necessary compromise where space is insufficient to allow facilities with a surface loading rate of 5 inches per hour.
  - Becky Tuden (City of Oakland) - stated that urban forestry and trees should be included.
  - Melody Tovar mentioned the definition should also include any measures to address sea level rise such as upstream detention storage.

- Tom M. - added that he is thinking very broadly and different efforts can add up to the overall required water quality benefit. Wants water quality to be a component of all efforts related to sustainability.
  - Adam – noted that it is important for the Work Group to consider the question “how to achieve compliance” as you go down the GI path.
  - Tom M. - also notified the SC that WB staff is considering eliminating the grandfathering language for C.3 projects. They are seeing projects approved over 8 years ago now going forward to detailed design and construction (without LID). Melody responded that cities cannot open up development agreements to change requirements, and other city representatives concurred.
  - Tom D – noted the C.3 requirements have been evolving and grandfathering for certain provisions may be warranted.
- Matt F. – Provided update and handout (Attachment 7) on Water Bond and SB 985. May need stormwater resource plans and participation in IRWMP to get funds. He requested that MRP 2.0 be drafted in a fashion to recognize and encourage flexibility to go after funds.
    - Tom M. – noted that would take a while for money to be appropriated and guidelines to be developed. There is time to develop plans to prepare for grant opportunities.

**ACTION ITEM #3– Jill and Dan to work with the GI work group and WB staff to pull together input on the GI conceptual framework for MRP 2.0, seek input from BASMAA Phase I managers and share with Tom M prior to October SC Meeting.**

## **VI. Update on C.8 Water Quality (WQ) Monitoring Workgroup**

*Summary of progress to date on Creek Status Monitoring MRP 2.0 draft modifications and progress to date on POC loading MRP 2.0 draft modifications*

- Chris S. – WQ Monitoring Work Group has been meeting over the last 6 months to take a critical look at the monitoring requirements in MRP 1.0 to see if the management questions are still valid and if some have been answered. Work group has drafted new management questions and tried to understand why we are analyzing each parameter. Some parameters will be recommended to discontinue and others evaluated differently. Looking at how trends can be better detected over time and projected with models and how future pollutant of concern monitoring can be linked more clearly to high priority PCB/mercury information. He provided a summary of status of the work group discussions with the WB staff (Attachment 8).
- Richard Looker – noted that the work group is currently looking a draft permit concepts and language for POC monitoring.

**ACTION ITEM #4 – Chris to work with the Monitoring and POC Work Group, including WB staff, to pull together input on the WQ Monitoring conceptual framework/outline for MRP 2.0, seek input from BASMAA Phase I managers, and share with Tom M prior to October SC Meeting.**

## **VII. Other Provisions**

*RWB review of ROWDs and discuss any potential information needs/clarification regarding remaining provisions (e.g., C.2, C.4, C.5, C.6, C.7, C.9, C.13, C.14 and C.15).*

*The original intent was to hear from the WB staff regarding staff review of the ROWD and stormwater program recommendations regarding the noted MRP 1.0 provisions.*

- Tom M. – noted that he was interested in knowing where there is disagreement among permittees regarding any current permit provisions, for example C.7. Contra Costa requested as part of their ROWD that an alternative approach for PIP be allowed that is equivalent to the current permit language. Tom M. noted that he was open to this type of discussion and that PIP should be focused on key Pollutants of Concern. Matt – stressed that the PIP emphasis focus on educating the public about the permit requirements to gain support for funding. Tom M. – would prefer that PIP be outcome based as opposed to output based. Do we lose ground if we eliminate certain things (e.g., storm drain labeling)?
- Tom D – need to look at the enforcement response plan requirements and how “violations” fit into the suite of enforcement tools. Tom M – they have had internal dialog on this issue. Need to define the appropriate response.
- Adam – recommended a separate work group at BASMAA to discuss these items with Tom M. and report back to the SC regarding where agreement between stormwater programs and the WB staff exists and where differences in approach exist, and then focus future SC discussions on resolving those differences.

**ACTION ITEM #5 – Adam to: a) setup a Phase I managers meeting to identify which “other” MRP provisions need further discussion with Tom M.: and, b) setup a follow-up meeting with Tom M. to review the provisions and try and resolve concerns meeting.**

- Tom M. – noted that C.10 is not part of the agenda but that questions have arisen regarding whether the MRP or SWB Trash Amendment would be adopted first. Tom noted that it is clear that the State Amendment will not affect the current Bay Area plans and thinks there will either be a carve-out for the Bay area or MRP requirements will meet or exceed SWB requirements.

### **VIII. Schedule and Topics for Future Meetings**

- The next meeting is scheduled for October 2, 2014, 1:00 – 4:00 pm at the WB staff offices.
- Tom M will be providing an overview of the WB staff framework and conceptual thoughts for all key provisions of MRP 2.0. Time permitting, all “other” provisions will be summarized as well.
- The SC will hold November 6 and December 4 for subsequent meetings.
- Tom M. noted that he is talking with Bruce Wolfe about outreach workshops to municipalities as noted above under Item III above. Kathy C. – again mentioned that the WB staff should hold the meetings in locations other than Oakland. Joe Calibrigo (City of Danville) suggested there should be different approaches to different audiences. He mentioned successful presentation last time to the Contra Costa Mayors’ Conference. Tom M. – mentioned that he felt the initial presentations should focus on the practitioners, and suggested waiting until the TO is available to outreach to city managers and elected officials. He requested that the group send him the dates of existing forums or meetings with city managers and elected officials.

**ACTION ITEM #6 – Phase I managers will compile available venues for potential Water Board staff workshops and provide the information to Tom M. by the October meeting.**

### **IX. Adjourn**

**Attachments:**

- 1) Agenda & sign-in sheet
- 2) June 5, 2014 Meeting Notes Action Items
- 3) POCs Workgroup Update
- 4) C.3 Issue Table and Relationship to “White Paper”
- 5) Green Infrastructure Approach for MRP 2.0
- 6) Green Infrastructure Discussion with WB staff – Conceptual (Big Picture) Areas of Agreement
- 7) Summary of Water Bond and SB 985
- 8) Status of MRP 2.0 Discussions with WB staff – C.8

**AGENDA**  
**MRP 2.0 Steering Committee Meeting**  
**September 4, 2014, 1:00 to 4:00 pm**  
State Building, 1515 Clay St., Oakland CA, 15th Floor Room 1505

- 1:00 pm **I. Introductions, Announcements, Changes to Agenda**
- 1:10 pm **II. Summary of Progress on Action Items from Previous Meeting(s)**  
*Outcome – review status of action items and determine next steps.*
- 1:20 pm **III. Update from POCs Workgroup**  
A. Update on information/progress relative to ongoing data gathering process to inform MRP 2.0 (e.g., identifying new high opportunity areas).  
B. Status on developing draft MRP 2.0 language, including how informed by the RMP’s PCBs Synthesis document and new data from other regions.  
*Outcome – discuss progress on above topics including areas of agreement and disagreement, receive input from SC, and identify next steps.*
- 2:00 pm **IV. Update on C.3 White Paper**  
Summary of progress to date on LID White Paper and provide/discuss summary table on C3 and LID paper per June 5 Action Item #2.  
*Outcome – discuss progress on above topics including areas of agreement and disagreement, receive input from SC, and identify next steps.*
- 2:15 pm **V. Update from Green Infrastructure Workgroup**  
Update on status of developing green infrastructure planning approach and MRP 2.0 draft language (C.3/C.11/C.12). Review draft Conceptual Areas of Agreement developed in discussions between Water Board staff and BASMAA internal work group.  
*Outcome – discuss progress on above topics including areas of agreement and disagreement, receive input from SC, and identify next steps.*
- 2:50 pm **VI. Update on C.8 Water Quality Monitoring Workgroup**  
A. Summary of progress to date on Creek Status Monitoring MRP 2.0 draft modifications.  
B. Summary of progress to date on POC loading MRP 2.0 draft modifications  
*Outcome – discuss progress on above topics, receive input from SC, and identify next steps.*
- 3:20 pm **VII. Other Provisions**  
*Outcome – RWB review of ROWDs and discuss any potential information needs/clarification regarding remaining provisions (e.g., C.2, C.4, C.5, C.6, C.7, C.9, C.13, C.14 and C.15).*
- 3: 50pm **VIII. Schedule and Topics for Future Meetings**  
*Outcome – identify date and topics for next meeting.*
- 4:00 pm **IX. Adjourn**

**MRP 2.0 Steering Committee 9/4/14**

Name	Agency	Email	11-Jul	5-Sep	7-Nov	6-Feb	6-Mar	5-Jun	4-Sep
Adam Olivieri	SCVURPPP	<a href="mailto:awo@eoainc.com">awo@eoainc.com</a>	X	X	X	X	X	X	X
Adele Ho	City of San Pablo	<a href="mailto:adeleh@sanpablo.gov">adeleh@sanpablo.gov</a>	X	X	X				
Andrew Russell	Dublin	<a href="mailto:Andrew.russell@dublin.ca.gov">Andrew.russell@dublin.ca.gov</a>	X	X	X	X	X	X	X
Beth Baldwin	CCCWP	<a href="mailto:bbald@pw-cccwpa.org">bbald@pw-cccwpa.org</a>							X
Beck Tuden	City of Oakland	(see Estes)							X
Brad Underwood	Foster City	<a href="mailto:bunderwood@fostercity.org">bunderwood@fostercity.org</a>	X		X	X	X		
Chris Sommers	SCVURPPP (EOA)	<a href="mailto:csommers@eoainc.com">csommers@eoainc.com</a>	X	X		X	X	X	X
Dale Bowyer	Water Board	<a href="mailto:dbowyer@waterboards.ca.gov">dbowyer@waterboards.ca.gov</a>	X	X	X	X	X	X	X
Dan Cloak	CCCWP	<a href="mailto:dan@dancloak.com">dan@dancloak.com</a>	X	X	X	X	X	X	X
David Mathews	SCVWD	<a href="mailto:dmathews@valley.water.org">dmathews@valley.water.org</a>				X			
Feliz Riesenber	City of Fairfield	<a href="mailto:friensenberg@fairfield.ca.gov">friensenberg@fairfield.ca.gov</a>	X			X			
Gary DeJesus	City of San Mateo	<a href="mailto:gdjesus@cityofsanmateo.org">gdjesus@cityofsanmateo.org</a>					X	X	
Gary Grimm	ACCWP	<a href="mailto:gjgrimm@mindspring.com">gjgrimm@mindspring.com</a>							X
Geoff Brosseau	BASMAA	<a href="mailto:geoff@brosseau.us">geoff@brosseau.us</a>	X	X	X	X	X	X	
Heather Ballenger	City of Walnut Creek	<a href="mailto:Ballenger@walnut-creek.org">Ballenger@walnut-creek.org</a>	X	X		X	X		X
Jared Hart	City of San Jose	<a href="mailto:jared.hart@sanjoseca.gov">jared.hart@sanjoseca.gov</a>			X	X			
Jay Walter	City of San Carlos	<a href="mailto:jwalter@cityofsancarlos.org">jwalter@cityofsancarlos.org</a>		X			X	X	
Jill Bicknell	SCVURPPP (EOA)	<a href="mailto:jcbicknell@eoainc.com">jcbicknell@eoainc.com</a>	X	X	X	X	X	X	X
Jim Porter	San Mateo Co.	<a href="mailto:jporter@smcgov.org">jporter@smcgov.org</a>	X		X	X			
Jim Scanlin	ACCWP	<a href="mailto:jims@acpwa.org">jims@acpwa.org</a>	X	X	X	X	X	X	X
Joe Calabrigo	Town of Danville	<a href="mailto:calabrigo@danville.ca.gov">calabrigo@danville.ca.gov</a>	X	X	X	X		X	X
Jon Konnan	SMCWPPP	<a href="mailto:jkonnan@eoainc.com">jkonnan@eoainc.com</a>	X		X	X	X	X	X
Kathy Cote	City of Fremont	<a href="mailto:kcote@fremont.gov">kcote@fremont.gov</a>	X	X	X	X	X	X	X
Kevin Cullen	FSURMP	<a href="mailto:Kcullen@fssd.com">Kcullen@fssd.com</a>		X		X		X	
Khalil Abusaba	AMEC/CCCWP	<a href="mailto:khalil.abusaba@amec.com">khalil.abusaba@amec.com</a>		X	X	X	X	X	
Lance Barnett	VSFCD	<a href="mailto:lbarnett@vsfcd.com">lbarnett@vsfcd.com</a>	X				X		
Larry Patterson	City of San Mateo	<a href="mailto:lpatterson@cityofsanmateo.org">lpatterson@cityofsanmateo.org</a>	X	X	X				
Leslie Estes	City of Oakland	<a href="mailto:lestes@oaklandnet.com">lestes@oaklandnet.com</a>					X	X	X
Lucile Paquette	CCCWP	<a href="mailto:lpaqu@pw-cccwpa.org">lpaqu@pw-cccwpa.org</a>					X	X	X
Matt Fabry	SMCWPPP	<a href="mailto:mfabry@smcgov.org">mfabry@smcgov.org</a>	X	X	X	X	X	X	X
Melody Tovar	City of Sunnyvale	<a href="mailto:mtovar@sunnyvale.ca.gov">mtovar@sunnyvale.ca.gov</a>	X	X	X	X	X	X	X
Miki Tsubota	City of Brentwood	<a href="mailto:mtsubota@brentwoodca.gov">mtsubota@brentwoodca.gov</a>	X	X	X		X	X	
Napp Fukuda	City of San Jose	<a href="mailto:napp.fukuda@sanjose.ca.gov">napp.fukuda@sanjose.ca.gov</a>	X	X		X		X	X
Paul Willis	Town of Hillsborough	<a href="mailto:pwillis@hillsborough.net">pwillis@hillsborough.net</a>		X	X				
Peter Schultze-Allen	SMCWPPP/EOA	<a href="mailto:pschultze-allen@eoainc.com">pschultze-allen@eoainc.com</a>						X	X
Phil Hoffmeister	City of Antioch	<a href="mailto:phoffmeister@ci.antioch.ca.us">phoffmeister@ci.antioch.ca.us</a>							X
Randy Breault	City of Brisbane	<a href="mailto:rbreault@ci.brisbane.ca.us">rbreault@ci.brisbane.ca.us</a>				X			
Richard Looker	Water Board	<a href="mailto:rlooker@waterboards.ca.gov">rlooker@waterboards.ca.gov</a>		X	X	X		X	
Rinta Perkins	City of Walnut Creek	<a href="mailto:perkins@walnut-creek.org">perkins@walnut-creek.org</a>	X	X		X	X	X	
Roger Lee	City of Cupertino	<a href="mailto:rogerl@cupertino.org">rogerl@cupertino.org</a>			X	X	X	X	X
Sandy Chang	AMEC	<a href="mailto:sandy.chang@amec.com">sandy.chang@amec.com</a>			X	X			
Sandy Mathews	LWA/cccwp	<a href="mailto:sandym@lwa.com">sandym@lwa.com</a>							X
Selina Louie	Water Board	<a href="mailto:slouie@waterboards.ca.gov">slouie@waterboards.ca.gov</a>	X	X			X	X	
Shin-Roei Lee	Water Board	<a href="mailto:srlee@waterboards.ca.gov">srlee@waterboards.ca.gov</a>	X		X		X		
Sharon Newton	City of San Jose	<a href="mailto:sharon.newton@sanjose.ca.gov">sharon.newton@sanjose.ca.gov</a>					X		
Sue Ma	Water Board	<a href="mailto:SMA@waterboards.ca.gov">SMA@waterboards.ca.gov</a>	X				X	X	
Timm Borden	City of Cupertino	<a href="mailto:timmb@cupertino.org">timmb@cupertino.org</a>	X	X	X	X			
Tom Dalziel	CCCWP	<a href="mailto:Tdalz@pw-cccwpa.org">Tdalz@pw-cccwpa.org</a>	X	X	X	X	X		X
Tom Mumley	Water Board	<a href="mailto:thomas.mumley@waterboards.ca.gov">thomas.mumley@waterboards.ca.gov</a>	X	X	X	X	X	X	X

## **MRP 2.0 Steering Committee Meeting Summary \_**

### **ACTION ITEMS**

**June 5, 2014**

**1:00 – 4:00 p.m.**

**Water Board Offices, 1515 Clay St., Oakland, 2<sup>nd</sup> floor**

**ACTION ITEM #1 – Schedule discussion of next permit term scope and schedule (how much and how fast); define terms used to characterize pilot vs. full implementation, and discuss approach to describe accountability. Update Steering Committee at next meeting.**

**ACTION ITEM #2: Develop summary table covering three items: C.3 issue; previous information provided and Co-permittee recommendation, and link to White Paper (what additional information will be provided in White Paper to address WB staff need/concern). Complete and distribute prior to next SC meeting.**

**ACTION ITEM #3: Coordinate with WB AEO to allow for early collaboration with WB staff on White Paper development and final product.**

**ACTION ITEM #4: Several next steps were articulated for the BASMAA BOD (Tom D. will take the lead with assistance from Jill and Dan) to develop and discuss with the GI work group to the next SC meeting: a) develop working definition of the term “comprehensive GI plan,” b) develop potential criteria that could be used by WB to allow for planning process (including time frame) to proceed within the next MRP 2.0 permit term, and c) develop the potential steps and criteria needed to judge acceptable level of action/implementation by a permittee as part of the GI planning process.**

**ACTION ITEM #5: BASMAA BOD will contact Caltrans ASAP and initiate discussions regarding process for allocating and approval of funds. (The City of Sunnyvale has a trash full capture proposal that could be used as a specific case example.)**

**ACTION ITEM #6: WB staff will review ROWDs relative to other MRP issues that need further clarification/discussion and BASMAA Phase I managers will do the same. BASMAA BOD will schedule discussion at the July BOD meeting with AEO to discuss issues needing further clarification.**

## Update from MRP 2.0 POCs Workgroup



**Jon Konnan**  
**EOA, Inc.**  
**September 4, 2014**



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## Presentation Outline

**MRP 2.0 - PCB & Mercury TMDL Implementation**

- 1. Update on Information Gathering Process to Inform MRP 2.0**
- 2. Permit Language Framework**



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## Information Gathering Process to Inform MRP 2.0

**SCREENING PROCESS** – working towards consistent methods

1. Develop implementation plans for existing High Opportunity areas (MRP 1.0 pilot watersheds).
2. Develop maps & database of potential pollutant source parcels based on priority land uses (e.g., old ind, elec, recycl)
3. Work with municipal staff to refine and groundtruth maps and database, including redevelopment status.



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## Information Gathering Process to Inform MRP 2.0 (cont.)

### FIELD SAMPLING AND BMP PLANNING

4. Develop PCBs and mercury sampling and analysis plan and perform fieldwork.
5. Map potential High Opportunity areas and explore feasibility of BMPs .
6. Prioritize, develop preliminary implementation plans. Inform MRP 2.0 T.O. to extent possible.




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## Permit Language Framework

1. **Performance Standard:** RWB staff expects local agencies to show measureable load reductions during MRP 2.0, some flexibility in how achieved.
2. **Accounting System:** Develop credible system early in permit term:
  - Monitoring in field
  - BMP crediting (analogous to trash)
3. **High Opportunity Watersheds:** Existing and new. Submit early in permit term implementation plans designed to meet performance standard.
4. **Moderate Opportunity Watersheds:** ID and develop a comprehensive long-range plan/schedule for reducing PCB loads using green infrastructure. GI Work Group – cross reference that part of permit.
5. **Other Specific requirements**
  - Risk Communication and Exposure Reduction
  - Study – PCBs in storm drain & roadway infrastructure caulks? (Tacoma Washington).




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## PCB Load Reductions

### TMDL Requires 90% Reduction in Stormwater PCB Load

- **Estimated Stormwater Load to Bay: 20 kg/year**
- **Allocation: 2 kg/year**
- **Load Reduction: 20 – 2 = 18 kg/year**
- **RWB Staff Suggested Reduction for MRP 2.0 : 1 – 5 kg/year**
- **Potential difficulty: How divide among counties?**  
(population may not be good indicator of PCB load)




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### Source Control

**RMP PCBs Synthesis**

- Recommendations include: “Develop and implement a systematic approach to source control.”
- Methodically make sure we have identified all sources, prioritized, and addressed via source control to extent possible.



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### PCBs in Caulks/Sealants

- Non-residential Bay Area buildings from 1950s – 70s have on average 5 kg per building PCBs indoors & outdoors. Opportunity?
- Released during demolition/renovation? Highly uncertain how much gets into stormwater.
- Recent data from Hayward shows PCBs found in soils around demolished PCBs-containing structures.
- Most effective BMPs would include PCBs monitoring.
- Consider requiring PCBs monitoring in selected demo/renovation permits??
- Should be on the source control menu but local agencies should have flexibility.



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### Long-term Planning

- **MRP 2.0**
  - Reduce loads to extent practicable via source control.
  - Plan for long-term GI designed to reach TMDL goals and schedule - how long will it take?
  - Opportunistic early implementation of GI?
  - TMDL update at end of permit term?
- **MRP 3.0 and Beyond**
  - Implement long-term GI plan – disconnect imperviousness, multiple benefits leading to funding opportunities.



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## POC WG: BASMAA & RWB Staff

### ■ Areas of Agreement

- General Opportunity Area Approach
- Multi-benefit BMPs where possible (GI)



### ■ Priority Issues to Resolve

- What is Performance Standard?
- Scope and Schedule – how much and how fast?
- Flexibility vs. Specificity (e.g., RWB staff may want separate performance standard for existing pilot watersheds, BASMAA may prefer more flexibility)
- Accountability Approach



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## Questions?



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C.3 Issue Table (MRP 2.0 Steering Committee June 5 Meeting – Action Item #2)

C.3 Issue and Water Board staff concern	Previous Information Provided and Permittee Recommendation	Additional Information to Be Provided in White Paper
<p>C.3.b. - Regulated Projects Thresholds and Applicability (non-Road)</p> <p>Water Board staff has suggested threshold for all projects be lowered to 5,000 SF impervious area created/replaced</p>	<p><i>2013-09-05 Presentation to SC</i> showed an insignificant amount of additional impervious area (0.5% of total subject to C.3) would be regulated, but with significant additional Permittee effort.</p> <p>Recommend retaining current thresholds and combining/ integrating Provisions C.3.a. and C.3.i. that address sub-threshold projects</p>	<ul style="list-style-type: none"> <li>• Available information on technical analysis/basis for differing thresholds in other California municipal permits.</li> <li>• Recommendations for sub-threshold projects (C.3.a. and C.3.i)</li> <li>• Recommendations for clarifying ambiguities in existing permit language</li> <li>• Recommendations for addressing issues with current reporting requirements</li> </ul>
<p>C.3.c – Feasibility of Infiltration and Harvesting/Use</p> <p>Issues identified in WB Staff <i>Criteria Report Comment letter 2011-07-12</i></p> <ul style="list-style-type: none"> <li>• Use a variety of methods to retain stormwater before using bioretention with underdrain</li> <li>• Consider underground infiltration measures</li> <li>• Require site soil testing of infiltration capacity</li> <li>• Analyze stormwater harvest and use for buildings served by recycled water</li> <li>• Provide for maintenance of self-retaining and self-treating areas, including pervious pavement</li> </ul>	<p><i>Harvest and Use, Infiltration and Evapotranspiration Feasibility/Infeasibility Criteria Report 2011-04-10</i></p> <p><i>BASMAA Letter Re: LID Feasibility/Infeasibility Concerns, 2012-04-30</i></p> <p><i>Status Report on the Application of Feasibility/Infeasibility Criteria for Low Impact Development 2013-12-01</i></p> <p>Recommend to revise LID definition to include bioretention without feasibility test.</p>	<ul style="list-style-type: none"> <li>• Review of rationale/technical justification for retention requirements in other California municipal permits.</li> <li>• Analysis of pollutant load reduction effectiveness of bioretention with raised underdrain.</li> <li>• Review of extent of Bay Area locations where infiltration could contribute to water supply.</li> <li>• Analysis of the effect of bioretention sizing criteria on pollutant load reduction.</li> <li>• Summary of criteria for bioretention design and construction.</li> <li>• Recommendation to reference, but not include, soil specification in Permit.</li> </ul>
<p>C.3.e. - Alternative Compliance</p> <p>Water Board staff has asked for suggestions on ways to make alternative compliance options more attractive to Permittees and applicants for development approvals</p>	<p>In discussions, it has been suggested that current MRP requirements related to the timing and location of projects may be impediments. Permittees have requested more flexible requirements.</p>	<ul style="list-style-type: none"> <li>• Examples of Bay Area alternative compliance projects (road/non-road)</li> <li>• Information about the use of alternative compliance under other permits/jurisdictions (e.g. Ventura?)</li> <li>• Recommendations for changes to Provision C.3.e.</li> </ul>
<p>C.3.e. – Special Projects</p> <p>Water Board staff review of Special Projects reports has determined that no “abuse” of the provision is occurring. However, they have asked for more rigorous analysis of LID feasibility.</p>	<p>Recommend retaining existing provisions with minor tweaks to avoid some unintended consequences found during implementation.</p>	<ul style="list-style-type: none"> <li>• Recommendations and rationale for tweaks (specific language).</li> <li>• Recommendations for reducing reporting requirements, including analysis of bioretention feasibility; with rationale based in part on amount of impervious area being analyzed.</li> </ul>

C.3 Issue Table (MRP 2.0 Steering Committee June 5 Meeting – Action Item #2)

C.3 Issue and Water Board staff concern	Previous Information Provided and Permittee Recommendation	Additional Information to Be Provided in White Paper
<p>C.3.g. Hydromodification Management</p> <p>Need for consistent HM criteria across the region.</p> <p>Considering allowing variation in low flow threshold based on creek bed material and channel configuration.</p> <p>May have other concerns/changes based on review of CCCWP IMP Monitoring Report.</p>	<p><i>CCCWP IMP Monitoring Report, IMP Model Calibration and Validation Project 2013-09-15.</i></p> <p>Allow, rather than constrain, the use of LID to meet HM requirements throughout the Bay region. Apply HM exceptions, exclusions, thresholds, criteria, and methods of compliance uniformly among Permittees</p> <p>Revise facility sizing factors based on data obtained from CCCWP Study (CCCWP recommendation)</p> <p>Consider a range of low flow thresholds, including consideration of stream geomorphology, location of development within the watershed, and potential future extent of development as a proportion of watershed area (CCCWP recommendation)</p>	<ul style="list-style-type: none"> <li>• Proposed HM criteria and means and schedule for refinement (if necessary) during the permit term.</li> </ul>
<p>C.3.h. – O&amp;M Verification</p> <p>Need for O&amp;M of pervious pavement and other site design features</p>	<p>Recommendations in <i>Status Report on the Application of Feasibility/Infeasibility Criteria for Low Impact Development 2013-12-01</i></p> <p>Also discussed briefly as part of <i>White Paper presentation to SC on 2014-03-06</i></p>	<ul style="list-style-type: none"> <li>• Recommendation to emphasize quality of design and construction to reduce future maintenance issues</li> <li>• Recommendation to balance pro-active measures (outreach, education, prevention, tracking/mapping) with inspection and enforcement</li> <li>• Recommendations on database maintenance and accessibility and reporting</li> </ul>



MRP 2.0 Steering Committee – September 4, 2014

## Green Infrastructure Approach for MRP 2.0

Jill Bicknell, P.E., EOA, Inc.  
Assistant Program Manager  
Santa Clara Valley Urban Runoff Pollution  
Prevention Program



## Outline of Presentation

- Conceptual Framework
  - Areas of agreement between BASMAA internal work group and Water Board staff
- Possible Provision Elements
  - Potential planning tasks discussed in BASMAA internal work group and larger Green Infrastructure Work Group



## Conceptual Framework

- Overall goal of GI is to **disconnect impervious surfaces** throughout urban watersheds to reduce runoff and improve water quality.
- Consistent with federal (EPA) and State initiatives and funding priorities
- Should include retrofit/redevelopment of impervious surface on public and private property.



## Conceptual Framework

- Implementation of green infrastructure (GI) in “moderate opportunity” areas, *in combination with targeted implementation of controls on “high opportunity” sites*, can be an effective means to address load allocations in PCB and mercury TMDLs
  - GI may also address other pollutants of concern, including trash.



## Conceptual Framework

- It will take **decades** for GI to achieve load reductions of the magnitude required by the TMDLs.
- GI should be:
  - Integrated with other long term municipal plans and CIP projects
  - Implemented across departments.



## Conceptual Framework

- Implementation of a GI program will require a significant long term investment involving a combination of **Federal, state, regional and local public funds and private funds.**



### Conceptual Framework

- A robust planning effort is needed to:
  - ✓ Identify and map areas of opportunities and constraints and areas in which GI is feasible and would have the maximum benefit, and track projects as completed
  - ✓ Achieve integration with other municipal plans
  - ✓ Conduct outreach to and get support from municipal officials, municipal departments and the public



### Conceptual Framework

- Robust planning effort, continued:
  - ✓ Educate municipal staff and the development/ construction community on design and construction practices
  - ✓ Identify available funding sources and allow the municipality to demonstrate the nexus between planned projects and local funding sources
  - ✓ Integrate GI with regional planning, design, and funding of transportation projects



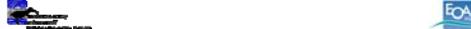
### Conceptual Framework

- Robust planning effort, continued:
  - ✓ Be ready to respond to opportunities for funding, such as requests for grant proposals and public/private partnerships



### Conceptual Framework

- Requirements for MRP 2.0 will focus on planning efforts but may also include early implementation efforts, such as:
  - Construction of GI projects for which funding is confirmed
  - Development of project plans for additional projects that may be built during the permit term contingent on funding being secured



### Conceptual Framework

- Where GI effectively achieves the objectives of the municipal stormwater pollution prevention program in a drainage area, some existing permit requirements may be reduced or eliminated.



### Conceptual Framework

- The GI approach will be considered the **main path for compliance** (as opposed to the “alternative compliance” path).
- Compliance options should be available, either within or outside the regional GI approach, to take into account differences in land use, pollutant generation, and existing storm drainage infrastructure.



### Possible Short Term Municipal Tasks

- Assemble a Green Infrastructure Team
  - Get buy-in from departments, management
  - Hold a study session for elected officials
- Adopt GI policy or resolution
- Develop a GI Plan
- Integrate GI with other planning efforts
- Conduct public education/outreach
- Evaluate/develop funding sources



### Potential GI Plan Contents

- Detailed maps/assessments of impervious areas and storm drain systems
- Projections for redevelopment areas
- Analysis and ranking of opportunity areas for GI implementation
- Estimates of pollutant reduction effectiveness for various stages of plan implementation



### Potential GI Plan Contents

- Conceptual or preliminary plans for GI projects that can be funded through “in lieu” arrangements or grant funds
- References to other local planning efforts and how those efforts will support and be coordinated with the GI Plan
- References to policies, resolutions or ordinances that indicate municipal official and public support of the plan



### Coordination with Other Local Planning Efforts

- General Plan
- Specific or Neighborhood Plan
- Pedestrian and/or Bicycle Plan
- Complete/Sustainable Streets Plan
- Capital Improvement Program
- Annual Pavement Work Plan
- Storm Drain Master Plan
- Street and Urban Forestry Standards



### Possible MRP Regional Tasks

- Development of a Preliminary Scoping Plan
- Model Municipal GI Resolution
- Funding Options Study (including O&M)
- Regional Roundtable Coordination
- Regional GI Technical Training/Outreach
- GIS Prioritization Tool
- Model Long Term GI Plan
- Design, Construction and O&M Specs.



### Questions and Discussion



## **Green Infrastructure Discussion with Water Board Staff**

### **Conceptual (Big-Picture) Areas of Agreement**

- The overall goal of GI is to disconnect impervious surfaces throughout urban watersheds to reduce runoff and improve water quality. This goal is consistent with federal (EPA) and State initiatives and funding priorities. To achieve this goal, GI programs should include retrofit/redevelopment of impervious surface on public and private property.
- Implementation of green infrastructure (GI), in combination with targeted implementation of controls on “high opportunity” sites, can be an effective means for municipal stormwater Permittees to address load allocations in the PCB and mercury TMDLs. GI may also address other pollutants of concern, including trash.
- It will take decades for GI to achieve load reductions of the magnitude required by the TMDLs. GI should be integrated with other long term municipal plans and capital improvement plans/projects and implemented across departments.
- Implementation of a GI program will require a significant long term investment involving a combination of Federal, state, regional and local public funds and private funds.
- A robust planning effort is needed to:
  - Identify and map areas of opportunities and constraints and areas in which GI is feasible and would have the maximum benefit, and track projects as completed;
  - Achieve integration with other municipal plans;
  - Conduct outreach to and get support from municipal officials, municipal departments and the public;
  - Educate municipal staff and the development/construction community on design and construction practices;
  - Identify available funding sources and allow the municipality to demonstrate the nexus between planned projects and local funding sources;
  - Integrate GI with regional planning, design, and funding of transportation projects.
  - Be ready to respond to opportunities for funding, such as requests for grant proposals and public/private partnerships.
- Requirements for MRP 2.0 will focus on planning efforts but may also include early implementation efforts, such as construction of GI projects for which funding is confirmed, and development of project plans for additional projects that may be built during the permit term contingent on funding being secured.
- Where GI effectively achieves the objectives of the municipal stormwater pollution prevention program in a drainage area, some existing permit requirements may be reduced or eliminated.
- The GI approach will be considered the main path for compliance (as opposed to the “alternative compliance” path). Compliance options should be available, either within or outside the regional GI approach, to take into account differences in land use, pollutant generation, and existing storm drainage infrastructure.

## **EXCERPT FROM AB 1471 (Nov. Water Bond) – Sections Relevant to Stormwater**

### **CHAPTER 7. Regional Water Security, Climate, and Drought Preparedness**

#### **79740.**

The sum of eight hundred ten million dollars (\$810,000,000) shall be available, upon appropriation by the Legislature from the fund, for expenditures on, and competitive grants and loans to, projects that are included in and implemented in an adopted integrated regional water management plan consistent with Part 2.2 (commencing with Section 10530) of Division 6 and respond to climate change and contribute to regional water security as provided in this chapter.

#### **79741.**

In order to improve regional water self-reliance security and adapt to the effects on water supply arising out of climate change, the purposes of this chapter are to:

- (a) Help water infrastructure systems adapt to climate change, including, but not limited to, sea level rise.
- (b) Provide incentives for water agencies throughout each watershed to collaborate in managing the region's water resources and setting regional priorities for water infrastructure.
- (c) Improve regional water self-reliance consistent with Section 85021.

#### **79744.**

(a) Of the funds authorized by Section 79740, five hundred ten million dollars (\$510,000,000) shall be allocated to the hydrologic regions as identified in the California Water Plan in accordance with this section.

(b) Funds made available by this chapter shall be allocated as follows:

(2) Sixty-five million dollars (\$65,000,000) for the San Francisco Bay hydrologic region.

#### **79747.**

(a) Of the funds authorized by Section 79740, two hundred million dollars (\$200,000,000) shall be available for grants for multi-benefit stormwater management projects.

(b) Eligible projects may include, but shall not be limited to, green infrastructure, rainwater and stormwater capture projects, and stormwater treatment facilities.

(c) Development of plans for stormwater projects shall address the entire watershed and incorporate the perspectives of communities adjacent to the affected waterways, especially disadvantaged communities.

**EXCERPT FROM SB 985 (ENROLLED FOR GOVERNOR'S CONSIDERATION, EMPHASIS ADDED)**

**SEC. 3.**

Section 10562 of the Water Code is amended to read:

**10562.**

(a) One or more public agencies may develop a stormwater resource plan pursuant to this part.

(b) A stormwater resource plan shall:

(1) Be developed on a watershed basis.

(2) Identify and prioritize stormwater and dry weather runoff capture projects for implementation in a quantitative manner, using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.

(3) Provide for multiple benefit project design to maximize water supply, water quality, and environmental and other community benefits.

(4) Provide for community participation in plan development and implementation.

(5) Be consistent with, and assist in, compliance with total maximum daily load (TMDL) implementation plans and applicable national pollutant discharge elimination system (NPDES) permits.

(6) Be consistent with all applicable waste discharge permits.

(7) Upon development, be submitted to any applicable integrated regional water management group. Upon receipt, the integrated regional water management group shall incorporate the stormwater resource plan into its integrated regional water management plan.

(8) Prioritize the use of lands or easements in public ownership for stormwater and dry weather runoff projects.

(c) The proposed or adopted plan shall meet the standards outlined in this section. The plan need not be referred to as a "stormwater resource plan." Existing planning documents may be utilized as a functionally equivalent plan, including, but not limited to, watershed management plans, integrated resource plans, urban water management plans, or similar plans. If a planning document does not meet the standards of this section, a collection of local and regional plans may constitute a functional equivalent, if the plans collectively meet all of the requirements of this part.

(d) An entity developing a stormwater resource plan shall identify in the plan all of the following:

(1) Opportunities to augment local water supply through groundwater recharge or storage for beneficial use of stormwater and dry weather runoff.

(2) Opportunities for source control for both pollution and stormwater and dry weather runoff volume, onsite and local infiltration, and use of stormwater and dry weather runoff.

(3) Projects to reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible.

(4) Opportunities to develop, restore, or enhance habitat and open space through stormwater and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.

(5) Opportunities to use existing publicly owned lands and easements, including, but not limited to, parks, public open space, community gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use stormwater and dry weather runoff either onsite or offsite.

(6) Design criteria and best management practices to prevent stormwater and dry weather runoff pollution and increase effective stormwater and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development. These design criteria and best management practices shall accomplish all of the following:

(A) Reduce effective impermeability within a watershed by creating permeable surfaces and directing stormwater and dry weather runoff to permeable surfaces, retention basins, cisterns, and other storage for beneficial use.

(B) Increase water storage for beneficial use through a variety of onsite storage techniques.

(C) Increase groundwater supplies through infiltration, where appropriate and feasible.

(D) Support low-impact development for new and upgraded infrastructure and development using low-impact techniques.

(7) Activities that generate or contribute to the pollution of stormwater or dry weather runoff, or that impair the effective beneficial use of stormwater or dry weather runoff.

(8) Projects and programs to ensure the effective implementation of the stormwater resource plan pursuant to this part and achieve multiple benefits. These projects and programs shall include the development of appropriate decision support tools and the data necessary to use the decision support tools.

(9) Ordinances or other mechanisms necessary to ensure the effective implementation of the stormwater resource plan pursuant to this part.

(e) A stormwater resource plan shall use measurable factors to identify, quantify, and prioritize potential stormwater and dry weather runoff capture projects.

#### **SEC. 4.**

Section 10563 of the Water Code is amended to read:

10563.

(a) This part does not interfere with or prevent the exercise of authority by a public agency to carry out its programs, projects, or responsibilities.

(b) This part does not affect requirements imposed under any other law.

(c) (1) The development of a stormwater resource plan and compliance with this part in accordance with Section 10565 shall be required to receive grants for stormwater and dry weather runoff capture projects from a bond act approved by the voters after January 1, 2014.

(2) This subdivision does not apply to either of the following:

(A) Funds provided for the purpose of developing a stormwater resource plan.

(B) A grant for a disadvantaged community, as defined in Section 79505.5, with a population of 20,000 or less, and that is not a copermittee for a municipal separate stormwater system national pollutant discharge elimination system (NPDES) permit issued to a municipality with a population greater than 20,000.

## SEC. 5.

Section 10565 is added to the Water Code, to read:

10565.

By July 1, 2016, the board shall establish guidance for this part that shall include, but is not limited to, the following:

(a) Identifying types of local agencies and nongovernmental organizations that need to be consulted in developing a stormwater resource plan.

(b) Defining appropriate quantitative methods for identifying and prioritizing opportunities for stormwater and dry weather runoff capture projects.

(c) Defining the appropriate geographic scale of watersheds for stormwater resource planning.

(d) Other guidance the board deems appropriate to achieve the objectives of this part.

**Status of MRP 2.0 Discussions**  
Provision C.8 (Water Quality Monitoring)

September 4, 2014

Phase I stormwater program representatives and Water Board staff have met a handful of times over the course of the past 6 months to discuss modifications to existing MRP 1.0 monitoring requirements in preparation for the development of MRP 2.0 permit language. The following is a brief summary of the status of those discussions.

- **C.8.a (Compliance Options)** – Minor editing and reference to the existing BASMAA Regional Monitoring Coalition (RMC) is needed. Permittees will continue to have options as to the manner by which they comply with provision C.8. Water Board staff suggested that they would like to see the preferred option be participation in the RMC. Water Board staff has agreed to update the language and share with participants in the near future.
- **C.8.b (SF Bay Estuary Monitoring)** – Minor updating of this provision and associated Fact Sheet is needed. Water Board staff has agreed to update the language and share with participants in the near future.
- **C.8.c (Creek Status Monitoring)** – The need for information collected as part of this provision was discussed in detail at multiple meeting. The management questions that guide the data collection under this provision remain valid. The group generally agreed from a technical standpoint that certain parameters may not be providing high priority information needed to answer these management questions and Water Board staff will consider discontinuing certain requirements associated with these parameters. Water Board staff have identified adjustments to high priority parameters, however, that may require increased levels of effort on behalf of Permittees/Programs. Water Board staff has agreed to update the language and share with participants in the near future.
- **C.8.d (Monitoring Projects):**
  - **Stressor/Source Identification** – Program participants expressed that the language as current written should be revised to allow the termination of project if stressor cannot be identified, or is identified and the source is not associated with an MS4 discharge. Also, they indicated that there is need to allow for stressor ID projects that began in previous MRP, but continue into the next, to be counted to total required number. Additionally, the maximum number of projects required should remain. Water Board staff suggested that Program participants develop conceptual language for Water Board staff to consider. Program participants agreed and plan to do so in September.
  - **BMP Effectiveness Investigation** – Participants generally agreed that this requirement should be addressed in the context of POC monitoring, currently provision C.8.e.
  - **Geomorphic Project** - Participants generally agreed that this requirement has served its usefulness and should be eliminated from provision C.8 in MRP 2.0.
- **C.8.e (Long-Term Trends ad POC Loads Monitoring)** – Program participants suggested that this provision should be separated into two separate subprovisions: a) POC Monitoring and b) Long-Term Trends Monitoring. Water Board staff generally agreed.
  - **Long-Term Trends** – Program participants suggested that analytes included in long-term trends monitoring should be based on high priority Management Questions. Program

participants agreed to develop conceptual language for long-term trends to nexus with existing statewide efforts, creek status monitoring, and POC loads monitoring.

- **POC Monitoring** – This provision requires significant resources on behalf of the Programs and efforts are coordinated with and supplemented by, RMP activities. Participant agreed that the existing POC loads monitoring activities has served their usefulness in answering management questions and that MRP 2.0 requirements should be refined to better address refined high priority questions and link better with requirements in provisions C.11/C.12 for PCBs and mercury controls. To this effect, participants brainstormed how to refine management questions for POCs in MRP 2.0 and how to state the permit provisions for such monitoring. The group generally agreed that there are 5 key high priority questions that should be addressed for POCs, including pesticides/toxicity, mercury, PCBs, copper, and possibly nutrients. The group is currently attempting to create a provision to allows Permittees to conduct POC monitoring each year at a defined level of effort, but with enhanced flexibility to address specific management questions each year. Water Board staff have draft a conceptual approach to how this may work and program participants are currently providing input on the framework. The overall level of effort for POC monitoring is still to be determined.
- **C.8.f (Citizen Monitoring)** – The group generally agreed that this requirement should be reviewed and possibly shifted to the Public Information and Participation (PIP) section of the permit or eliminated.
- **C.8.g (Reporting)** – Program participants suggested that the submittal date for electronic data to should be the same as the interpretive report due date of March 15th. Water Board staff generally agreed with this suggestion. The frequency of reporting was also briefly discussed. Water Board staff suggested that each year more streamlined reports could be submitted with a more comprehensive report submittal once during the permit term. Water Board staff agreed to update the language and share with participants in the near future.

**Next Steps** – The work group plans to meeting again in mid/late September to review conceptual/draft language. Once program representatives have a better understanding of the levels of monitoring effort proposed by Water Board staff, representatives will likely develop initial costs estimates to implement these potential requirements.

**MRP 2.0 Steering Committee**  
**Green Infrastructure Work Group Meeting**  
**June 2, 2014**  
**1:30 to 4:00 pm**  
Water Board Offices, 1515 Clay Street, Oakland  
2<sup>nd</sup> Floor, Room 15

**AGENDA**

- 1:30 pm      **I.      Review Agenda & Introductions**  
*Outcome – identify MRP Co-permittee, Water Board, and stormwater program representatives and agree on agenda.*
- 1:35 pm      **II.     Review Purpose of Work Group and Discussions to Date**  
*Outcome – Review goals, strategies, tasks, and timeline for the Work Group to address green infrastructure requirements in MRP 2.0, based on discussions at the last meetings.*
- 1:40 pm      **III.    EPA Water Quality Improvement Fund Grant Proposal**  
*Outcome – Receive an update on the contents and status of a proposal from SFEP, SFEI and BASMAA for a project entitled “Urban Greening Bay Area: LID Planning, Implementation and Tracking”.*
- 1:50 pm      **IV.    Linkage Between Green Infrastructure and Pollutants of Concern (POCs)**  
*Outcome – Hear a presentation on current and future MRP requirements for reducing loads of POCs (mercury, PCBs and trash) and discuss the integration of these requirements with green infrastructure requirements.*
- 2:50 pm      **V.     Potential Tasks for MRP 2.0**  
*Outcome – Discuss key lessons learned from San Mateo and Emeryville approaches to green infrastructure plans and potential initial steps toward a long term integrated approach.*
- 3:50 pm      **VI.    Next Steps/Next Meetings**
- 4:00 pm      **VII.   Adjourn**

**MRP 2.0 Steering Committee - Green Infrastructure Work Group**

Name	Affiliation	Email	Meetings Attended 2014				
			Jan.6	Feb.25	Mar.25	Apr.28	Jun.2
Amin AbuAmara	CCTA	<a href="mailto:aabuamara@ccta.net">aabuamara@ccta.net</a>			X	X	
Brett Calhoun	SCVWD	<a href="mailto:jcalhoun@valleywater.org">jcalhoun@valleywater.org</a>					X
Connie Wong	City of Fremont	<a href="mailto:cwong@fremont.gov">cwong@fremont.gov</a>		X	X	X	
Dale Bowyer	Water Board	<a href="mailto:dbowyer@waterboards.ca.gov">dbowyer@waterboards.ca.gov</a>	X	X	X	X	X
Dan Cloak	CCCWP	<a href="mailto:dan@dancloak.com">dan@dancloak.com</a>	X	X	X	X	X
Elaine Marshall	City of Sunnyvale	<a href="mailto:emarshall@cunnyvale.ca.gov">emarshall@cunnyvale.ca.gov</a>		X	X		
James Paluck	City of Fairfield	<a href="mailto:jpaluck@fairfield.ca.gov">jpaluck@fairfield.ca.gov</a>		X	X		X
Jared Hart	City of San Jose	<a href="mailto:Jared.Hart@sanjoseca.gov">Jared.Hart@sanjoseca.gov</a>	X	X	X	X	X
Jay Walter	City of San Carlos	<a href="mailto:jwalter@cityofsancarlos.org">jwalter@cityofsancarlos.org</a>	X		X		X
Jennifer Krebs	SFEP	<a href="mailto:jkrebs@waterboards.ca.gov">jkrebs@waterboards.ca.gov</a>		X	X		
Jesse Mills	SFEP	<a href="mailto:jesse.mills@waterboards.ca.gov">jesse.mills@waterboards.ca.gov</a>		X			X
Jill Bicknell	EOA/SCVURPPP	<a href="mailto:jcbicknell@eoainc.com">jcbicknell@eoainc.com</a>	X	X	X	X	X
Jim Porter	San Mateo County	<a href="mailto:jporter@smcgov.org">jporter@smcgov.org</a>			X		
Jim Scanlin	ACCWP	<a href="mailto:jims@acpwa.org">jims@acpwa.org</a>		X	X	X	X
Jing Wu	SFEI	<a href="mailto:jingw@sfei.org">jingw@sfei.org</a>				X	
Jocelyn Walker	City of San Mateo	<a href="mailto:jwalker@cityofsanmateo.org">jwalker@cityofsanmateo.org</a>					X
Jon Konnan	EOA/SMCWPPP	<a href="mailto:jkonnan@eoainc.com">jkonnan@eoainc.com</a>					X
Josh Bradt	SFEP	<a href="mailto:jbradt@waterboards.ca.gov">jbradt@waterboards.ca.gov</a>		X			X
Kathy Cote	City of Fremont	<a href="mailto:kcote@fremont.gov">kcote@fremont.gov</a>		X	X	X	
Kelly Doyle	City of San Jose	<a href="mailto:kelly.doyle@sanjoseca.gov">kelly.doyle@sanjoseca.gov</a>			X		
Ken Chin	City of San Mateo	<a href="mailto:kchin@cityofsanmateo.org">kchin@cityofsanmateo.org</a>			X		
Kevin Cullen	FSSD	<a href="mailto:kcullen@fssd.com">kcullen@fssd.com</a>		X			
Kevin O'Connor	City of San Jose	<a href="mailto:kevin.o'connor@sanjoseca.gov">kevin.o'connor@sanjoseca.gov</a>			X		
Larry Patterson	City of San Mateo	<a href="mailto:lpatterson@cityofsanmateo.org">lpatterson@cityofsanmateo.org</a>			X		
Lester McKee	SFEI	<a href="mailto:lester@sfei.org">lester@sfei.org</a>			X		X
Liang Lee	SCVWD	<a href="mailto:lee@valleywater.org">lee@valleywater.org</a>					X
Luisa Valiela	EPA	<a href="mailto:valiela.luisa@epa.gov">valiela.luisa@epa.gov</a>				X	X
Manuel Pineda	City of Sunnyvale	<a href="mailto:mpineda@sunnyvale.ca.gov">mpineda@sunnyvale.ca.gov</a>					
Matt Fabry	SMCWPPP	<a href="mailto:mfabry@smcgov.org">mfabry@smcgov.org</a>	X		X	X	X
Melody Tovar	City of Sunnyvale	<a href="mailto:mtovar@sunnyvale.ca.gov">mtovar@sunnyvale.ca.gov</a>	X	X	X	X	
Michelle Quinney	City of Campbell	<a href="mailto:michelleq@cityofcampbell.com">michelleq@cityofcampbell.com</a>					
Mike Kiparsley	UC Berkeley	<a href="mailto:kiparsley@berkeley.edu">kiparsley@berkeley.edu</a>			X	X	
Nell Green Nylen	UC Berkeley	<a href="mailto:ngreennylen@law.berkeley.edu">ngreennylen@law.berkeley.edu</a>			X	X	X
Obaid Khan	City of Dublin	<a href="mailto:obaid.khan@dublin.ca.gov">obaid.khan@dublin.ca.gov</a>	X	X	X		X
Peter Schultze-Allen	EOA/SMCWPPP	<a href="mailto:pschultze-allen@eoainc.com">pschultze-allen@eoainc.com</a>	X	X	X	X	X
Randy Iwasaki	CCTA	<a href="mailto:riwasaki@ccta.net">riwasaki@ccta.net</a>	X	X			
Rebecca Tuden	City of Oakland	<a href="mailto:rtuden@oaklandnet.com">rtuden@oaklandnet.com</a>				X	
Roger Lee	City of Cupertino	<a href="mailto:rogerl@cupertino.org">rogerl@cupertino.org</a>				X	
Shin-Roei Lee	Water Board	<a href="mailto:shin-roei.Lee@waterboards.ca.gov">shin-roei.Lee@waterboards.ca.gov</a>		X	X	X	
Stephen Spedowfski	City of San Ramon	<a href="mailto:spedowfski@sanramon.ca.gov">spedowfski@sanramon.ca.gov</a>	X	X		X	X
Steve Kowalewski	CC County	<a href="mailto:skowa@pw.cccounty.us">skowa@pw.cccounty.us</a>	X	X	X		
Sue Ma	Water Board	<a href="mailto:sma@waterboards.ca.gov">sma@waterboards.ca.gov</a>	X	X	X	X	X
Timm Borden	City of Cupertino	<a href="mailto:timmb@cupertino.org">timmb@cupertino.org</a>		X			
Tom Dalziel	CCCWP	<a href="mailto:tdalz@pw.cccounty.us">tdalz@pw.cccounty.us</a>				X	X
Tom Mumley	Water Board	<a href="mailto:tmumley@waterboards.ca.gov">tmumley@waterboards.ca.gov</a>	X	X	X	X	

**MRP 2.0 Steering Committee  
Green Infrastructure Work Group  
June 2, 2014, 1:30-4:00 pm**

Water Board Offices, 1515 Clay Street, Oakland, 2<sup>nd</sup> Floor, Room 15

**Meeting Summary**

**I. Review Agenda & Introductions**

- Matt Fabry (SMCWPPP) introduced himself and started the meeting by welcoming everyone to the fifth meeting of the Work Group. The attendees introduced themselves. The attendance sheet is attached. Matt summarized the agenda for the meeting -there were no changes requested.

**II. Review Purpose of Work Group and Discussions to Date**

- Matt provided the background on the purpose and past actions of the Work Group

**III. EPA Water Quality Improvement Fund Grant Proposal**

- Matt provided an overview of the concept proposal that builds on the current Green Plan Bay Area project, and described the proposed tasks. The proposal includes five components – improvements to the GreenPlan-IT GIS-based siting, modeling, and optimization tool being created by the San Francisco Estuary Institute under a current Proposition 84 grant, additional GreenPlans developed for several municipalities using the tool, a state and regional stakeholder roundtable process to develop a roadmap to integrating green infrastructure into future climate change and transportation investments, a design contest to develop and build cost-effective designs integrating green infrastructure with active transportation (bike-ped) improvements at a standard roadway intersection, and a GIS tracker to begin tracking green infrastructure projects implemented throughout the region.
- Decision on concept proposal should be coming out soon. (Editorial – on June 4<sup>th</sup>, the application was selected for a full proposal - due on July 16<sup>th</sup>.)

**IV. Linkage Between Green Infrastructure and Pollutants of Concern (POCs)**

- Jon Konnan (EOA/SMCWPPP) gave the Work Group a presentation on this topic. Highlights:
  - Described problem, sources, and distribution of PCBs and mercury (Hg)
  - TMDL requirement– 90% reduction in stormwater load in 20 years (from 20 kg/yr to 2 kg/yr).
  - Strategies for reduction:
    - Source control – prevent PCBs from leaving source property – identify source properties and refer to Regional Water Board
    - Downstream interception (e.g. in green street retrofits)
  - Data from pilot studies:

- Studies show that you can't solve problem by just focusing on old industrial areas – large percent yield in old urban as well
- Distributed land uses to high/moderate/low opportunity categories
  - High opportunity (20% of PCB load) – a portion of old industrial
  - Moderate opportunity (70% of load) – rest of old industrial and old urban
  - Low opportunity (10% load) – parks, open space, residential, schools, universities, new or redeveloped urban
- Cost-Benefit Scenarios
  - Rough total cost for San Mateo County estimated at \$23 million per year to address PCB and mercury under future permit terms.
  - Assumes addressing 100% of high opportunity area over 20 years and 20% of moderate opportunity over 50 years.
  - Incremental cost when piggy-backed on other projects may be lower since cost estimates assume mitigation measures “start from scratch” (i.e., not piggybacked on CIP improvement projects)
  - Measures assumed to be 100% effective for sake of rough calculation.
  - Jon noted that for estimated future control costs for trash and PCB implementation and current dedicated revenue, San Mateo County projected a shortfall of \$37 million per year.
  - A huge gap in terms of what will be required for MRP 2.0 vs. what is being funded now and what public is willing to pay
- Larger vision – address moderate opportunity areas with green infrastructure over the long term.
- Trash reduction also a priority – look at intersection with trash generating areas.
- Showed map of City of San Mateo, illustrating overlap of high and moderate opportunity areas, trash generation areas, and priority development areas – example of potential overlay for green infrastructure plan.

### Questions:

- Obaid Khan (Dublin)– What about diversion to sanitary sewer?
  - Jon – This is one idea being considered but it is less cost-effective than other options
- Liang Lee (SCVWD) – The District is working on a water resources master plan. Interested in seeing what they can do to reduce PCB/Hg sources, but they do not have jurisdiction over the high and moderate opportunity areas.
- Dan Cloak (CCCWP) – Of downstream interception options, stormwater treatment retrofits are very cost-effective. Suggested that District could look at downstream regional bioretention treatment.
- Matt – Right now, do not have data on the other benefits of long term green infrastructure in terms of flood control, groundwater recharge, etc. Cost data that focuses just on PCBs/Hg will not sell to the public; need to tie GI investment into other planned investments and quantify other benefits.
- Lester McKee (SFEI) – Concept of differential between old industrial, old urban, and open space is key to the whole approach. Need to more accurately quantify the old industrial

yield number. Suspects that the balance of load between high and moderate opportunity is more equal.

- Dan – Does not think that better quantification will change the approach or the focus on green infrastructure
- Tom Dalziel (CCCWP) – Municipalities have limited resources to address MRP 2.0. Need to better integrate issues and come up with multi-benefit projects and determine how to move forward on a 50-year plan.
  - Matt – Agreed. Suggest we need to have a conversation with the WB as to how can we better allocate those resources to achieve the desired endpoint.

## V. Potential Tasks for MRP 2.0

- Peter Schultze-Allen (EOA/SMCWPPP) presented a summary of takeaways from San Mateo and Emeryville planning efforts and potential regional and local MRP tasks.
  - Both Cities used Complete Streets and Active Transportation as an entry point for Green Streets and Green Infrastructure element incorporation into their Cities Planning documents.
  - Both used grant funding to kick off planning efforts.
  - Both Cities identified issues with long term maintenance costs.
  - The planning efforts took place over several years.

### Discussion:

- Liang – Do San Mateo or Emeryville have cost data on pollutant load reductions?
- Dan – Good set of slides capturing the ideas. Could add “Urban Greening Grants” to list of options for municipal approach for GI planning. One issue is the lack of capacity of city staff to apply for grants.
  - Peter – Institutionalizing the process helps to prepare cities to respond to grant opportunities, and having these plans in place helps win grant awards.
- Dan – In developing GI design guidelines, need to incorporate pocket parks to get public support.
- Obaid – How effective will bioretention be over 20-50 years?
  - Dan – Data from the east coast have shown systems still operating well after 30 years.
  - Lester – In terms of Bay area data, we have virtually none at this time, but will be collecting more over the next few years.
  - Obaid – It is critical that we get good data on the longevity of these projects so we can sell the concept.
  - Brett Calhoun (SCVWD) – SCVWD has been monitoring its vegetated swales, and also sampling sediment at the bottom of recharge ponds.
- Luisa Valiela (EPA) – What do regulatory agencies feel is enough data?
  - Dale Bowyer (Water Board) – There are enough studies to show that these systems are robust and they are not concerned about long term performance.
  - Luisa - EPA supports that position and wants to see systems put in the ground as opposed to further studies and monitoring.
- Matt – We need to provide additional data to educate municipal officials and elected as to the benefits of this approach. Water quality benefits are only one piece and may not be the

most important benefit to cities (e.g., not as important as improving their communities in general).

- Matt - What does a plan look like as an endpoint that satisfies Water Board concerns? A plan will not be implementable without funding. Need to look at past and future redevelopment to see how much loading has been or will be reduced. Plans likely need to look at changes over time in the private realm and the public realm. In terms of funding, need to look at how we influence transportation agencies such as MTC and the State to get more funding for water quality.
- Tom D – What is Water Board looking for?
  - Dale – They are on board with integration of objectives but will be looking for more than just a plan after 5 years. If we want more time for planning, need to be very detailed, and need to see some early implementation and results during the 5-year term.
- Matt – What plans are most permittees likely to have already in place?
  - Jay Walter (San Carlos) – Most cities have adopted bike/ped plans and complete street plans in order to apply for grants to make those improvements.
  - Matt – What would City of San Carlos do?
  - Jay – Thinks there would be support from the community for a sustainable streets plan, but it would take time to develop and implement.
- Steve Spedowski (CC County) – Part of the problem is public awareness of stormwater issues. Outreach messages need to be coordinated.
- Josh Bradt (SFEP) – Need to integrate gray and green infrastructure planning. Cities need more data on their existing infrastructure. Can't just put a green overlay on a failing system; retrofits need to address system upgrades and maintenance as well.
- Dale – Don't come away from this meeting thinking that the 5-year permit term is an acceptable planning period.
- Jill Bicknell (EOA/SCVURPPP) – In previous meetings, we have agreed that this is a long term process and a lot of things have to come together.
- Dale – Looking for on the ground implementation during the 5 years as well.
- Luisa – EPA would want to see demonstration of environmental outcomes at the end of the permit term.

## **VI. Next Steps/Next Meetings**

### **Action Items:**

- Give update to MRP 2.0 Steering Committee on June 5.
- Get permittee input on potential short term actions.

**Next meeting - July 28, 1:30-4:00 p.m.**

## **VII. Adjourn**

The meeting adjourned at 4:00 pm.

## Linking Green Infrastructure and Pollutant Controls





**Jon Konnan**  
EOA, Inc.  
June 2, 2014



## Presentation Outline

1. Background on **PCBs/Hg** Problem
2. Recent Efforts (**MRP 1.0**)
3. Future Direction (**MRP 2.0**)





## PCBs/Mercury Problem Statement

Driver: Fish Consumption Advisories and TMDL Load Allocations

A guide to eating San Francisco Bay fish and shellfish  
Women 18 - 45 and children 1 - 17

Safe to eat 2 servings per week	OR Safe to eat 1 serving per week	Do not eat
 Chinook (king) salmon   Brown rockfish   Red rock crab   Jacksmelt	 California halibut   White croaker	 Striped Bass   Surperches   Sharks   White sturgeon

♥ = High in Omega-3s



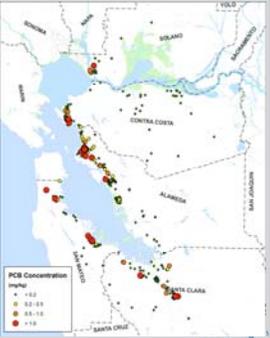
## Sediment Surveys






## Where Are High PCB Concentrations in Sediments?

- Variable – suggests some “low hanging fruit.”
- Highest concentrations in old industrial land uses.
- Often close to Bay margins
- Water, wind, vehicle dispersion: in public ROW.
- Many source areas not yet identified.





## PCB Load Estimates & Allocations

**TMDL Requires 90% Reduction in Stormwater PCB Load**

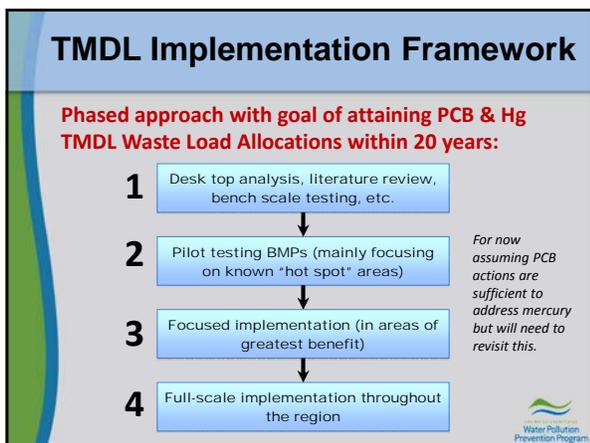
**Bay Area Combined:**

- Estimated Stormwater Load to Bay: **20 kg/year**
- Allocation: **2 kg/year**

**San Mateo County:**

- Estimated Stormwater Load to Bay: **2.1 kg/year**
- Allocation: **0.2 kg/year**





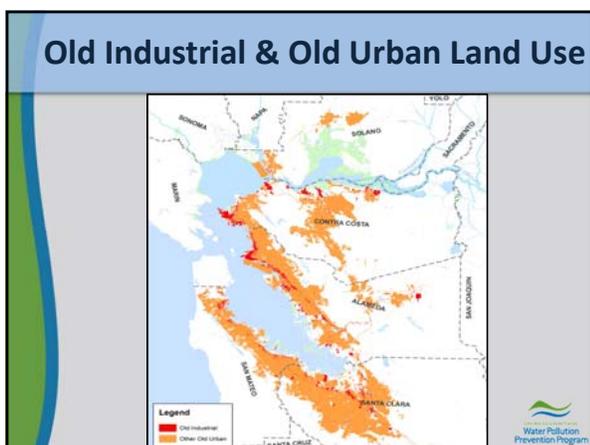
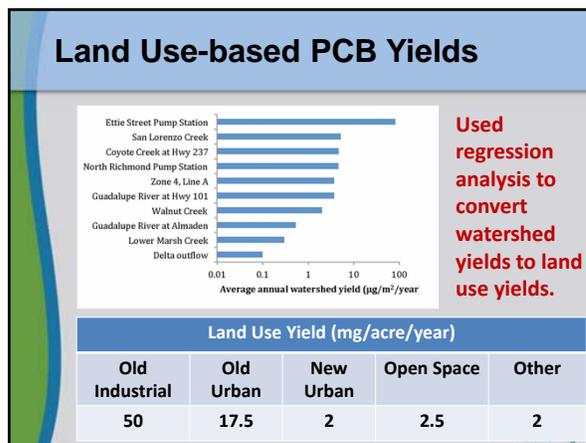
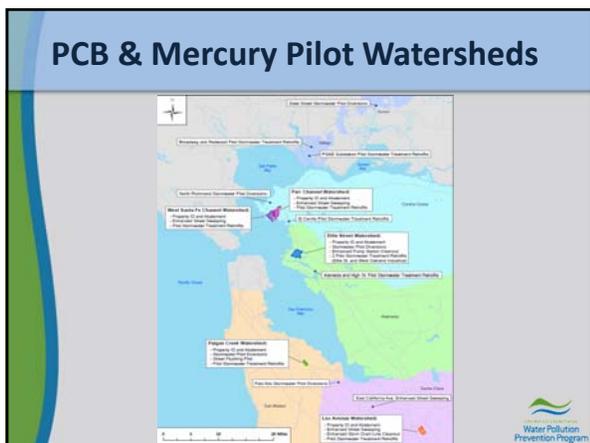
### MRP 1.0 – Pilot Testing of PCB & Mercury BMP Toolbox

**Source Controls:**

- Source property identification and referral
- Caulks – renovation/demolition BMPs
- Mercury recycling
- Industrial inspections

**Downstream Interception:**

- Stormwater treatment retrofits (e.g., bioretention curb extensions, tree wells, media filters)
- Enhanced street sweeping
- Street washing
- Conveyance cleanouts (e.g., piping, pump station wet wells)
- Diversions to POTWs

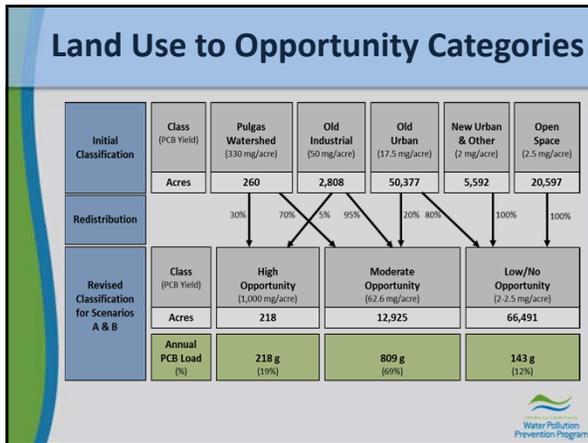


### PCBs Are Everywhere...

What if achieved low yield in all 80,000 acres of SM County that drain to Bay?

**80,000 acres X 2 mg/acre/year = 0.2 kg/year.**  
**This is about equal to SM County allocation.**

Land Use Yield (mg/ac/yr)				
Old Industrial	Old Urban	New Urban	Open Space	Other
50	17.5	2	2.5	2



### Opportunity Categories

- High Opportunity – about 20% of PCB load**
  - A portion of old industrial land uses (assumed 5%)
  - PCBs/mercury stored, used, recycled, released
  - Higher concentrations and yields
  - Controls are most cost-effective
- Moderate Opportunity – about 70% of PCB load**
  - Old urban and industrial land uses
  - Assumed to exclude residential, schools, and universities
  - Moderate concentrations and yields
  - Controls are less cost-effective
- Low/No Opportunity – about 10% of PCB load**
  - Parks, open space, residential, schools, universities, new or redeveloped urban land uses
  - Low concentrations and yields
  - Controls are not cost-effective

### Opportunity Areas Cost-Benefit Scenarios

- Scenario 1**
  - Address 100% of high opportunity area over 20 years
  - 90% treatment retrofits and 10% property ID and referral
  - \$6M/year, best case 19% reduction in annual PCBs load**
- Scenario 2**
  - Address 20% of moderate opportunity area over 50 years via green infrastructure bioretention retrofits
  - \$17M/year, best case 14% reduction in annual PCBs load**
- Need better understanding of incremental cost to piggyback on other CIPs and how to leverage other funding sources

### Potential Funding Initiative in SM County – Very Preliminary Numbers

- Total estimated future countywide trash control costs: **\$7M/year.**
- Total estimated future countywide PCB/mercury control costs: **\$23M/year.**
- Bottom line - countywide estimated shortfall: **\$37M/year.**
- Surveys of public willingness: could raise additional **\$8M - \$12M/year.**

### MRP 2.0 – Future Direction

- Three-Prong Approach:**
  - Known high opportunity areas** – (MRP 1.0 pilot watersheds) apply toolbox.
  - New high opportunity areas** – find and apply toolbox.
  - Moderate opportunity areas** – **most of PCB load**, add green infrastructure over time.

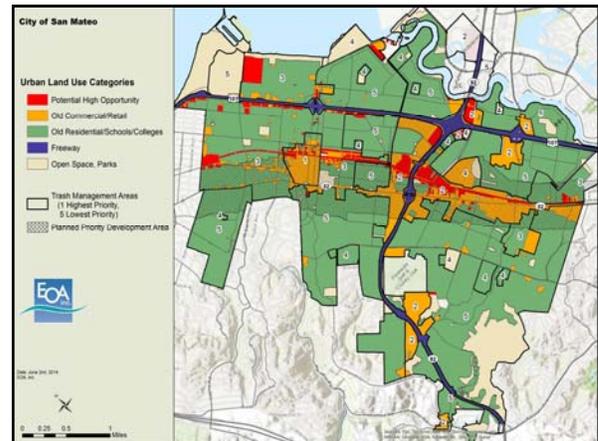
“Low hanging fruit” but limited PCB load

### MRP 2.0 – Future Direction

- Larger vision:** address **moderate opportunity areas** via green infrastructure transformation over several decades. Disconnect imperviousness from storm drains. Multiple benefits:
  - Pollutant loading reduction (e.g., PCBs, mercury, metals, pesticides)
  - Trash (but design issues currently)
  - Hydromodification management
  - Urban greening
  - Improve bike/pedestrian environment
  - Climate change abatement (e.g., reduce GHGs)

## Trash Control Also a High Priority

- **MRP 1.0**
  - Developed Short-term Trash Reduction Plans to attain 40% reduction.
  - Minimum full-capture and trash hot spot cleanup requirements.
  - Developed Long-term Trash Reduction Plans to attain 70% reduction by 2017 and 100% by 2022.
- **MRP 2.0**
  - Implement Long-term Plans.
  - Develop workable compliance approach towards meeting "No Adverse Impact" from stormwater discharges of trash.



## Green Infrastructure Planning

- Green infrastructure could be driven by pollutant concerns in many areas. Need to start making connection with current & future CIPs.
- Need multi-year planning process to integrate green infrastructure and pollutant controls over MRP 2.0 term.
- Municipalities lacking pollutant issues would need an off-ramp.



## Questions?



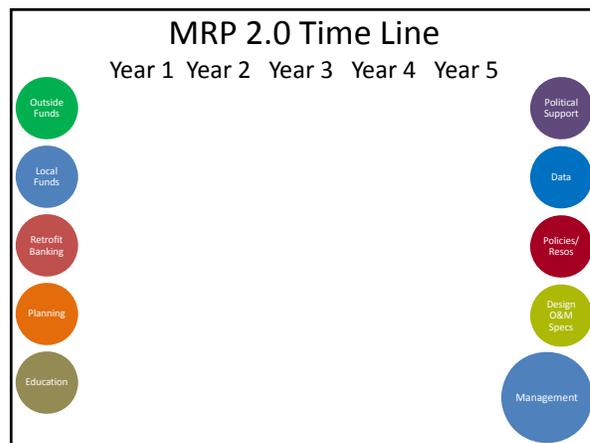
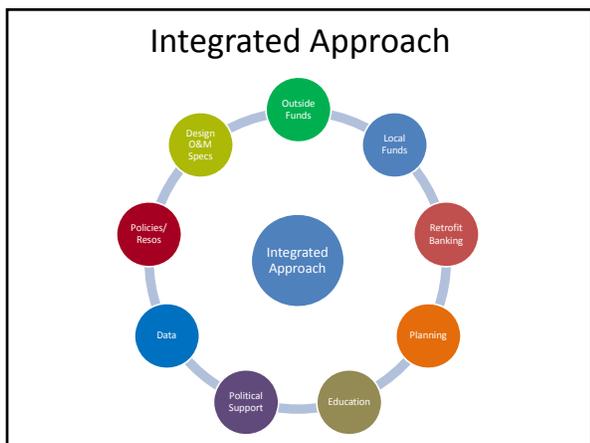
## Green Infrastructure Planning for MRP 2.0

Green Infrastructure Work Group  
June 2, 2014  
Peter Schultze-Allen, EOA



### Highlights From San Mateo and Emeryville

- In both San Mateo and Emeryville, Complete Streets Policies and Pedestrian Plans were key elements of process.
- Redevelopment was leveraged.
- Grant funding for Water Quality was combined with Transportation funding.
- O&M Funding was a challenge.
- Department Responsibilities overlap.
- Community was engaged.
- Institutionalizing GI into planning efforts takes time.

### Possible MRP Regional Tasks

- Development of a Preliminary Scoping Plan
- Model Municipal GI Resolution
- Funding Study including O&M
- Regional Roundtable Coordination
- Regional GI Technical Training Outreach
- GIS Prioritization Tool
- Model Long Term GI Plan
- Design, Construction and O&M Specs.



### Possible MRP Municipal Tasks

- Assemble a Green Infrastructure Team
  - Get Buy-in from Management
  - Hold a Study Session for Electeds
- Add GS/GI to Planning efforts underway
- Education/Public Outreach - San Mateo's Taste and Talk Series is a good example.
- Integrate C.3 with C.10, C.11 and C.12 (Pollutants of Concern: Trash, Mercury and PCBs)
- Update Urban Forestry Standards
- Adopt GI Resolution



## **Options for Municipal Approach to GI Planning**

- General Plan
- Pedestrian and/or Bicycle Plan
- Capital Improvement Program
- Annual Pavement Work Plan
- Storm/Sewer Master Plan
- Specific/Precise or Neighborhood Plan
- Green Street/Infrastructure Design Guidelines
- Green Street/Infrastructure Ordinance



## C/CAG AGENDA REPORT

Date: October 16, 2014  
To: Stormwater Committee  
From: Matthew Fabry, Program Coordinator  
Subject: Receive update on Potable Water Discharge Permit

(For further information or questions contact Matthew Fabry at 650 599-1419)

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### RECOMMENDATION

Receive update on Potable Water Discharge Permit.

### BACKGROUND

In early July 2014, Regional Water Board staff postponed until further notice its Board's consideration of a tentative permit regulating discharges from drinking water systems under a regional National Pollutant Discharge Elimination System (NPDES) permit. The postponement occurred because the State Water Resources Control Board (State Board) formally announced in June its intent to consider a statewide NPDES permit regulating similar discharges, and distributed a draft permit. Notice of a new hearing date, if any, will be sent to interested persons and published on the Board's website at least 30 days prior to the public hearing during which the Board is to consider the tentative permit.

The State Board issued a revised draft permit on July 3, 2014. A draft comment letter template was sent to C/CAG's member agencies via a Water Utility Work Group for use in commenting on the Tentative Order. C/CAG submitted a comment letter via the Countywide Water Pollution Prevention Program (Countywide Program) by the August 19 deadline. The State Board received over 50 comment letters.

The State Board posted a second revised draft permit on October 1, 2014. There is no public comment period for this revised draft permit although oral testimony will be allowed on changes made since the previous draft. The State Board's Response to Comments on the first draft has not yet been posted. The State Board will hold a public workshop at their October 21, 2014 meeting. The permit will be considered for adoption at their November 4, 2014 meeting. The Countywide Program's consultants are in the process of reviewing the draft permit, waiting to evaluate the Response to Comments, and will work with C/CAG staff to keep the Stormwater Committee and Water Utility Work Group representatives informed of any recommended action.

Overall, the second draft permit (10/1/14) is an improvement over the previous draft. However, not all of the Countywide Program's comments were addressed in this draft. Specifically:

- 1) The draft permit continues to have an exemption for water purveyors that are covered under an MS4 permit. The State Board did not add any language clarifying the MS4 permits should provide an equivalent level of protection and do not need to parallel the General Permit requirements, as requested by the Countywide Program.
- 2) The numeric effluent limit for turbidity was removed but the draft permit still contains a numeric effluent limit for chlorine residual.

## C/CAG AGENDA REPORT

Date: October 16, 2014  
To: Stormwater Committee  
From: Matthew Fabry, Program Coordinator  
Subject: Receive update on State legislation with relevance to stormwater

(For further information or questions contact Matthew Fabry at 650 599-1419)

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### RECOMMENDATION

Receive update on State legislation with relevance to stormwater.

### BACKGROUND

The State's two year legislative session recently ended with Governor Brown signing various bills into law, including bills with implications for C/CAG and stormwater management in general. The following summarizes key bills signed by the governor with hyperlinks to the actual bill language:

#### [AB 1471](#) – Water Quality, Supply and Infrastructure Act of 2014

This bill is the proposed \$7.9 billion water bond on the November ballot. The proposed bond allocates \$200 million for multibenefit stormwater management projects in Section 79747, but through the Integrated Regional Water Management Plan (IRWMP) process. There is also \$65 million allocated to the San Francisco Bay Region for IRWMP projects, and \$100 million to the State Coastal Conservancy for multi-benefit water quality, water supply, and watershed protection and restoration projects.

#### [AB 2403](#) – (Rendon D) Local government: assessments, fees, and charges.

This bill changed the definition of water in the Proposition 218 Omnibus Implementation Act, to clarify that water includes “water from any source.” This means that any stormwater projects that have a direct benefit to water supply are subject to the exemption from balloting under Proposition 218 for property-related fees for water supply, treatment, distribution, etc.

#### [AB 2170](#) – Mullin (D) Joint powers authorities: common powers.

This bill affirms that joint powers agencies have all powers common to their member agencies, including the power to levy a tax or fee. This bill will enable C/CAG to pursue a countywide funding initiative after January 1, 2015, if it so chooses. This bill was generic to all joint powers agencies, as opposed to AB 418 (Mullin) that was specific to C/CAG, which did not make it out of the Assembly.

#### [SB 270](#) – Padilla (D) Solid waste: single-use carryout bags

This bill provided a statewide ban on single-use carryout bags, which has obvious implications for trash management throughout the state, although limited impact in San Mateo County where most jurisdictions already adopted single-use bag bans.

[SB 985](#) – Pavley (D) Stormwater resource planning

This bill allows agencies to develop stormwater resource plans and specifies the issues that must be addressed within such a plan, and specifies that such plans shall be adopted into an approved IRWMP. It goes further to require that any agency seeking grant funds under an approved bond measure (such as the proposed November water bond) must develop a stormwater resource plan and have it adopted into the IRWMP. This has implications for agencies in the Bay Area that want to pursue stormwater funding under the November water bond, if approved by voters.