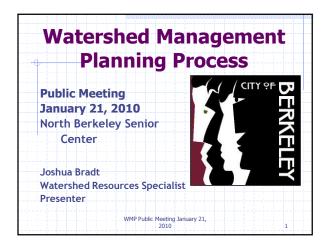
WATERSHED MANAGEMENT PLAN CITYWIDE PUBLIC MEETING

January 21, 2010 6:30 pm to 8:00 pm North Berkeley Senior Center, Multipurpose Room 1901 Hearst Ave (at MLK, Jr. Way)

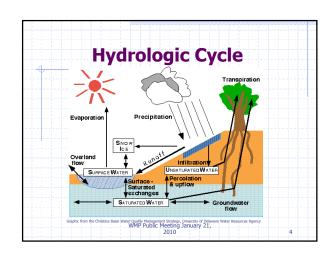
AGENDA

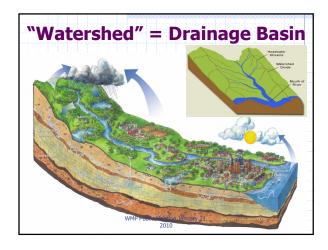
1) Introductions	6:30 (10 min)
2) Review Meeting Goals	6:40 (5 min)
 3) Presentation: Watershed Management Plan (WMP) Watershed Drainage Processes Urban Watershed Challenges Current COB Watershed Management Activities Planning Process Overview/Methodology 	6:45 (15 min)
4) Questions and Answers	7:00 (10 min)
 5) Review WMP Initial Goals & Opportunity Areas Initial Goals of WMP Opportunity Areas 	7:10 (20 min)
6) Additional Feedback Discussion/Q & A	7:30 (10 min)
 7) Next Steps Opportunities for Further Feedback Staff Activities 	7:40 (5 min)
8) ADJOURN	7:45



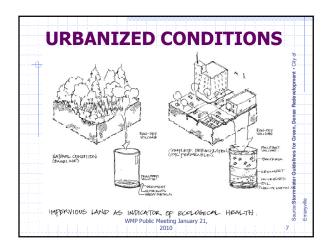


MEETING GOALS Raise Awareness of Watershed Processes and Management Challenges Articulate Limits of City Responsibilities Collect Early Feedback 2010 2017 3











Planning Process Overview

- Compile Existing City Programs, Policies, and Regulations
- Conduct Interdepartmental Meetings
- Develop Hydraulic Models
- Conduct Condition Assessment
- Encourage Public Participation

WMP Public Meeting January 21,

General Public & Key Stakeholder Groups

- Community at-large
- Business Owners & Property Owners
- Environmental Organizations
- UC-Berkeley & Berkeley Unified School District
- City Commissioners & Other COB Departments
- City of Oakland & City of Albany
- **EBMUD & Caltrans**

WMP Public Meeting January 21, 2010

WMP Public Meeting January 21, 2010 11

Initial WMP Goals and Objectives

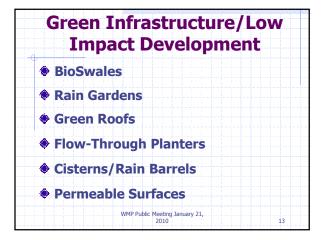
Develop and Implement multi-objective, sustainable approaches to:

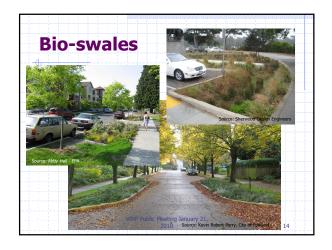
- Improve water quality
- Reduce Peak Run-off Volumes and Rates
- Protect Open Channels and Aquatic Habitat
- Improve Urban Livability

WMP Public Meeting January 21, 2010

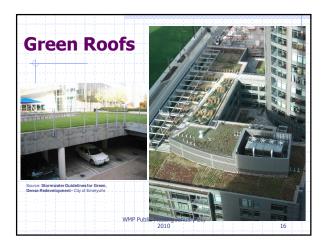
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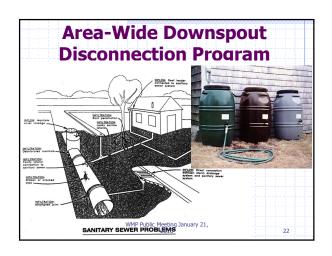


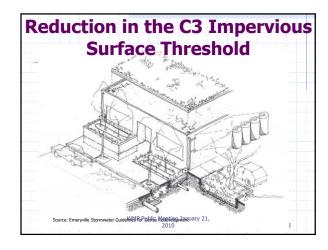


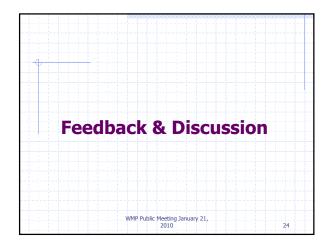












Next Steps/Estimated 2010 Timeline		
February:	Develop Rain Barrel Program Structure; Analyze Potter Model	
March:	Model Potter Alternative Scenarios, Codornices Model Complete	
April:	Draft Standards for Rain Barrel Installation, Analyze Codornices Model	
May:	Draft Standards for LID/Green Infrastructure Retrofits, Draft Potter WMP	
June:	Potter WMP Public Meeting; Revise Draft Potter WMP	
July:	Potter WMP Complete WMP Public Meeting January 21, 2010 25	



On January 21, 2010, the City hosted a public meeting about its Watershed Management Planning (WMP) process. The meeting lasted almost two hours and was attended by about 50 people.

During the meeting, there were opportunities for attendees to offer comment, ask questions, and provide suggestions as the planning process ramps up in earnest. Below is a compilation of all comments and questions. These items are batched by topic where possible. There is no significance to the order of the list. These ideas and concerns will be explored through the planning process:

APPROACH/STRATEGY/SCOPE

- When will WMP consider economic impact of failing creek culverts on lowincome property owners?
- Data collection good start.
- Will the project include full modeling of all water (surface and groundwater) or just be surface hydraulic modeling?
- Need inventory of public property for capture/storage, include medians, school yards.
- With competing budgets and schedules, plan may be reactive--driven by hot spots.
- Interdepartmental coordination is important.
- Modeling needs to identify hydraulic constrictions and surcharging locations.
- Expand creek side open areas, establish trust fund, buy out poor families, harvest water, use West Campus parking lot, need cooling stations for heat of summer, look at drought side as well as flood side.
- Will plan consider recharge of Perched aguifers?

OUTREACH/PARTICIPATION

- Add Berkeley City College, East Bay Regional Park District, Department of Energy, Regional Water Quality Control Board, BART, Department of Fish and Game (add resource agencies).
- Will there be more outreach to creek property owners?
- Conduct property owner issues survey through neighborhood associations.
- Target the Council of Neighborhoods to get information.
- Host a lot of design workshops.
- EBMUD chloramines strategic considerations, 1. Codornices Creek is anadromous habitat, locate curb cuts to capture any water, 2. Work with watershed council to have volunteers distribute de-chlorination BMPs for water main breaks.
- Watershed groups seeking protection for de-chlorination/BMP deployment.

BUDGET/FUNDING

- What is the WMP budget?
- Can costs be allocated across appropriate City Departments?

WMP PUBLIC MEETING COMMENTS Jan. 21, 2010

- Include analysis of funding sources. Start to track where funds may come from to be prepared for opportunities as they arise
- Link WMP efforts to climate change to broaden available funding sources.
- Any discussion on local funding models? Year 2011 will have new state funding available. Ocean Protection Council reviewed LID policies, identified attractive LIDs.

GREEN INFRASTUCTURE/LID/RAIN WATER HARVESTING

- Visit to Seattle changed mind about the Short-Term v. Long-Term strategy of implementing LID. Studies have favorably quantified the cost of green infrastructure approaches v. traditionally engineered infrastructure replacement.
- Strategically locate Green Infrastructure to address water quality & flow capacities.
- Look at Los Angeles for a good example of LID usage, including permeable pavers
- Consider city-wide program for cisterns, similar to green-waste.
- Can Traffic circles be retrofitted to retain run-off?
- What is relationship between water flow in street and cistern use?
- My simple computation for rain water harvesting in Cerrito Watershed showed to discernable peak run-off reduction effect.
- Some roofing materials not conducive to rain water harvesting due to contaminants-- check impacts of roofing materials.
- Consider not only Direct Benefit of peak flow reduction from rain water harvesting, but also value of education, engagement, water saving, and other synergistic effects.

CREEKS

- Identify early on the interconnections (locations) between storm drains and creeks.
- Army Corps of Engineers permit (404 Permit, comment from another) is an impediment to creek work.
- Estimate percent of watersheds' impervious cover—there is debate over success of restoration in fully built out urban areas, some say creeks cannot be restored in highly urbanized watersheds.
- What has been the impact of the revised creek ordinance on home owners?
 There were statements during the creek ordinance update process about severe impact on property owners; so far these impacts seem to have not been realized.

MAPS

- Improve maps.
- City maps are notoriously bad—we need to know where storm drain, creeks, and creek culverts are located. There is concern that creek locations are not accurately mapped.

WMP PUBLIC MEETING COMMENTS Jan. 21, 2010

WMP APPENDIX B-3

• Consider consulting with Contra Costa County to learn about its mapping activities.

EXISTING DRAINAGE INFRASTRUCTURE

- What is price structure of alternate pipe materials? (plastic, clay, concrete, steel)
- Retention techniques will not solve replacement problems. The City should engage in long-term infrastructure coordination with Albany.