

San Mateo County Harbor District
Water Quality and Public Safety Committee Meeting Report

Date: Thursday, March 12, 2015

Time: Start 7 pm, End 9:00 pm

Commissioner Co-Chairs: Tom Mattusch, Nicole David

Water Quality Focus

The meeting was attended by:

Brittani Bohlke, San Mateo County Resources Conservation District (RCD)

Rick Andrews, Pillar Point Harbor liveaboard

Keith Mangold, local resident with experience in water quality research

John Caughlin, Wastewater Treatment Specialist

Jay Davis, Senior Scientist at San Francisco Estuary Institute

Item 2: The RCD gave a presentation to the group on preliminary first flush results from midcoast storm drains on October 31, 2014. They also presented preliminary stormwater outfall data for the September and December monitoring and showed a summary of Inner Harbor bacteria sampling for 2013 and 2014.

We discussed how results can guide management actions for the Harbor District and decided that we would develop management questions that can guide future sampling designs and support decision-making regarding reducing Harbor contamination.

Item 3: Briefly discussed water quality memo, including a draft sampling proposal that will be presented to the Board of Harbor Commissioners at a future meeting.

Item 4: Historic FIB data collected by the County of San Mateo Department of Public Health were plotted for Capistrano Beach. Data were expected to show a log-normal distribution. However, inconsistencies in the distribution were observed. Potential errors and data gaps will be discussed with the County to better understand and adjust for measurement differences.

Additionally, Enterococcus data were plotted in relation to incoming and outgoing tide levels. No strong correlation was detected. Correlations with rainfall will be examined at the next meeting.

Other action items:

1. Try to obtain GIS maps for sanitary conveyances and storm drains (John)

2. Try to map on-site water treatment systems (OWTS) locations (John's contact)
3. Invite local expert to help us map sewer and OWTS (John)
4. Check out sanitary sewer overflow (SSO) database to look for reported events that could help with data interpretation (Nicole)
5. Develop map with creek sampling location data and land use data (ABAG 2005) to assess spatial patterns in concentrations and composition of FIB (all)

Because of Commissioner Mattusch's travel schedule we have to cancel the next Water Quality and Public Safety Committee Meeting on April 9, 2015.

The May meeting will be held on Thursday, May 14, 2015 at 7 pm at the RCD in Half Moon Bay. This meeting will focus on public safety.