



CONTRA COSTA
CLEAN WATER
PROGRAM

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September 1, 2023

Eileen White, Executive Officer
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Subject: **Submittal of 2023 Draft Hydromodification Management (HM) Applicability Map for Contra Costa County**

Dear Ms. White:

Provision C.3.g of the San Francisco Bay Region Municipal Regional Stormwater NPDES Permit, Order No. R2-2022-0018 (MRP 3.0) requires Contra Costa Permittees to provide a map of the location-based applicability criteria for Hydromodification Management (HM) Projects listed in MRP 3.0 for Executive Officer approval. This submittal provides the required map along with supporting information. The enclosed map is a revised and improved version of the map submitted to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) with Contra Costa Permittee Annual Reports in 2017.

The 2023 map was developed to address the questions and comments made by the SFBRWQCB following their review of the 2017 map. On July 10, 2020, the SFBRWQCB responded to the 2017 Contra Costa submittal and sent a memo to the Contra Costa Clean Water Program (CCCWP) entitled "Memo to CCCWP Regarding Their Hydromodification Technical Report and Hydromodification Applicability Map, Submitted September 29, 2017". This memorandum included several questions and comments on the 2017 Draft HM Applicability Map, including questions regarding the HM applicability of areas draining to Marsh Creek and Walnut Creek and the status of areas labeled as "To Be Determined." The enclosed submittal provides a revised map and supporting information that responds to these questions and comments.

This submittal includes the following:

- An updated .pdf format map of Contra Costa County that designates all county areas within HM Applicable and HM Exempt categories per the MRP 3.0 permit language designations.
- A link to an updated 2023 web mapping application that can be used by municipal staff, applicants for development project approvals, and the public once the SFBRWQCB approves the 2023 draft map.
- The 2017 HM applicability mapping methodology technical memorandum. This is provided for background information and context.
- A 2023 addendum to the 2017 HM applicability mapping methodology technical memorandum details the data sources and methods used to update the 2017 map.

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Program Participants: Antioch, Brentwood, Clayton, Concord, Danville, El Cerrito, Hercules, Lafayette, Martinez, Moraga, Oakley, Orinda, Pinole, Pittsburg, Pleasant Hill, Richmond, San Pablo, San Ramon, Walnut Creek, Contra Costa County and Contra Costa County Flood Control & Water Conservation District

Submittal of Revised Hydromodification Management (HM) Applicability Maps and Supporting Information

Map changes in response to comments made by the SFBRWQCB are described in the 2023 addendum. In summary, these changes included reclassifying the HM applicability of areas draining to Marsh Creek and Walnut Creek and classifying all areas previously marked as "To Be Determined."

General improvements to the map also included refined and more accurate subbasin boundaries, a recalculation of highly developed (>70% impervious) catchments using data published since 2017, and an improved map layout and web mapping application with additional supporting data.

Updates based on Permittee input consisted of refining specific subbasin boundaries, updates to stream alignments and city limits, and changing the HM applicability of subbasins based on new analysis and input from the SFBRWQCB.

The revised 2023 draft web map application is hosted by the CCCWP and can be found at the following web address:

<https://cccwp.maps.arcgis.com/apps/instant/sidebar/index.html?appid=c0219fc1ec89460093aaf2ec72ecb1bc>

Until SFBRWQCB accepts the map, Contra Costa Permittees will continue to apply the criteria in CCCWP's 2006 HMP and MRP 1.0. Following your acceptance of the map, we will create and publish an update to CCCWP's Stormwater C.3 Guidebook referencing the map and directing users to the updated web map application.

Lastly, because any mapping effort inevitably contains some inconsistencies with conditions on the ground and conditions will continue to evolve based on new developments and the impacts of climate change, we anticipate that occasional updates to the map will be required. Typically, these would include adjusting the boundaries of a subwatershed based on new information regarding the locations of catch basins, their connection to subsurface drainage pipes, and the direction of flow and discharge location of those pipes. Adjustments to tidally-influenced areas may also need to be made due to sea level rise and evolving understanding of the extent of its impact. We propose to notify the SFBRWQCB of these updates in our annual reports.

If you have any questions regarding this submittal, please don't hesitate to contact me at (925) 313-2392 or Rinta.Perkins@pw.cccounty.us.

Sincerely,



Rinta Perkins
Interim Program Manager

cc: CCCWP Permittees
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