

ENGINEER'S REPORT
TO THE
BOARD OF SUPERVISORS
OF THE
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ON THE
NPDES PROGRAM
FOR THE
WHITEWATER WATERSHED
BENEFIT ASSESSMENT AREA
JULY 2014

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INTRODUCTION

In 1987, Congress amended the Federal Clean Water Act (CWA) to require public agencies which serve urbanized areas with a population greater than 100,000 and other designated areas to obtain permits to discharge urban stormwater runoff from municipally owned drainage facilities including streets, highways, storm drains and flood control channels. In November 1990, the United States Environmental Protection Agency (USEPA) promulgated enforceable regulations establishing Municipal Separate Storm Sewer System (MS4) Permit requirements under its National Pollutant Discharge Elimination System (NPDES) Program. In California, USEPA has delegated its NPDES permitting authority to the State Water Resources Control Board (SWRCB). The SWRCB issues and enforces NPDES MS4 Permits through its nine California Regional Water Quality Control Boards (CRWQCBs).

The Riverside County Flood Control and Water Conservation District (District) service area encompasses portions of three major watersheds (drainage areas): the Santa Ana, the Santa Margarita and the Whitewater watersheds. The discharge of stormwater from MS4s within each of these three watersheds is regulated pursuant to an NPDES MS4 Permit (NPDES Permit) administered by a separate CRWQCB. **The District must comply with the provisions of these NPDES Permits in order to legally operate and maintain its flood control and drainage system infrastructure.** The USEPA and the CRWQCB can impose significant penalties for non-compliance as high as \$32,500 per day per violation. In addition, private citizens can pursue enforcement actions under the Federal CWA.

In the case of the Whitewater Watershed, the District, in conjunction with the County of Riverside (County), Coachella Valley Water District (CVWD), and the Cities of Banning, Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs and Rancho Mirage (Cities), jointly submitted the required Part 1 application for an NPDES Permit on June 11, 1992 to the CRWQCB - Colorado River Basin Region (Regional Board). Part 2 of the NPDES Permit application was submitted to the Regional Board on May 17, 1994. The Part 1 NPDES Permit application consisted primarily of a compilation of existing District, County, CVWD and City information such as land use, facilities, discharge information, fiscal resources, legal authority, etc. The Part 2 NPDES Permit application outlined the Permittees' (District, County, CVWD, and Cities) proposed Stormwater Management Program and corresponding implementation schedules.

The Regional Board adopted the initial NPDES Permit (Permit) for the Whitewater Watershed on May 22, 1996. The initial Permit expired on May 22, 2001 and as required by the Permit renewal procedures, the Permittees submitted a Report of Waste Discharge (ROWD) to the Regional Board that led to the subsequent adoption of Permit No. 01-077 on September 5, 2001. Permit No. 01-077 incorporated the Permittees' proposed Stormwater Management Plan (SWMP) which was developed during the initial Permit term along with additional management programs that were subsequently developed. Additionally, the Permit identified certain additional activities that the Permittees needed to pursue, in accordance with specific time schedules, in order to achieve compliance with the Permit and the Clean Water Act. On May 21, 2008, the Regional Board adopted the region's third term permit, Order Number R7-2008-0001 (2008 Permit). The third term 2008 Permit sought to improve programs established in the previous term. On November 21, 2012, the Permittees submitted a ROWD to the Regional Board to apply for a fourth term MS4 Permit. A collaborative effort was put forth by Permittees and Regional Board staff to analyze local BMP effectiveness and applicability and research other applicable state-wide MS4 Permits to develop region-appropriate language and requirements for the Whitewater River Region fourth term MS4 Permit. The fourth term MS4 Permit, Order

Number R7-2013-0011 (2013 Permit), was subsequently adopted by the Regional Board on June 20, 2013.

From the beginning, the Permittees' Stormwater Management Program has been guided by the following principles:

1. Utilize existing municipal departments/programs to meet NPDES Permit requirements whenever possible.
2. Minimize duplication of effort through coordinated Permittee compliance actions.
3. When necessary, develop new or enhanced stormwater management programs (Best Management Practices) that are both cost-effective and acceptable to the public.

The Whitewater Watershed Benefit Assessment Area (WWBAA) was established pursuant to District Ordinance No. 14 on May 14, 1991 (copy attached - see Appendix B). The WWBAA was formed to offset the District's program and administrative costs associated with the development, implementation and management of identified stormwater management activities required by the federally mandated NPDES Permit Program. The District must continue to develop and implement these stormwater management activities in order to legally operate and maintain its flood control and drainage facilities. A map showing the boundaries of the WWBAA is attached hereto as Appendix C.

The cost of the District's various Permit compliance activities fluctuates from year to year. Although some expenses do not change significantly on a yearly basis, certain costs are cyclical (e.g., preparing Permit applications and negotiating Permit provisions), while expenses associated with collecting water samples and laboratory analysis may vary according to the amount of rainfall occurring in a given year or in response to certain information requests from the Regional Board. Costs associated with the development and production of public education materials are not always incurred on a FY basis. Occasionally, additional consultant services may be needed to assist the District with the development of a particular Permit requirement or program activity. Also, certain activities or programs may be expanded or curtailed from time to time and, occasionally, new programs or activities must be developed and implemented.

Currently, the regulation and management of stormwater runoff is a topic of increasing interest among the public, municipalities, regulatory authorities and legislators. Although new laws and/or regulations could result in changes to the assessment rate in future years, **the proposed assessment rate for FY 2014-2015 is equal to or less than the assessment rate that was enrolled and levied for FY 1996-1997 and all subsequent years.**

APPORTIONMENT METHODOLOGY

WWBAA assessments are apportioned on the basis of proportionate stormwater runoff generated by each parcel. This method of assessment is consistent with State law and the District Act. The amount of benefit is computed based on parcel size (acreage) and use classification. A single-family residential structure on a 7,200 square foot lot (1/6 of an acre) is defined as one benefit assessment unit (BAU). The BAUs for other types of land use are calculated in proportion to the amount of runoff generated by a single-family residence on a 7,200 square foot lot.

In comparison with a typical single family residence, industrial and commercial properties typically generate more stormwater runoff and higher pollutant loads on a per acre basis. Thus, commercial/industrial parcels are assessed at a higher rate per acre than residential parcels. Because agricultural discharges are currently exempt under the NPDES Permit regulations, parcels within the WWBAA that are used for agricultural purposes are exempted from the assessment. Vacant undeveloped parcels are not assessed because they are considered to generate no increase in pollutant loading. Additionally, certain large undeveloped tracts of land such as federally-owned or State-owned forest are excluded from the WWBAA. A more detailed discussion of the apportionment methodology is presented in Appendix B.

CURRENT YEAR ASSESSMENTS (FY 2013-2014)

In July 2013, the District's Board of Supervisors confirmed a benefit assessment rate for FY 2013-2014 of \$3.63 per BAU. Following is a summary of the FY 2013-2014 assessments:

Rate	Billed Parcels	BAUs	Assessments	Corrections	Amount Paid*
\$3.63	54,799	89,395	\$324,505.08	\$0.00	\$311,524.88

* Through April 30, 2014

Property owners may request a review of their assessment(s) by contacting the District. District staff considers each request by reviewing information such as assessor's parcel maps, aerial photographs, and, when necessary, conducting site visits. The Auditor/Controller is notified of any needed corrections and a new tax bill is issued or, in cases where the assessment has been paid, a refund is made. Last year, no corrections were processed.

RECOMMENDED BENEFIT ASSESSMENT RATES (FY 2014-2015)

The District recommends that for FY 2014-2015, the WWBAA assessment rate remain unchanged at \$3.63 per BAU. This BAU rate would result in an equivalent charge per acre for the following land uses:

<u>Group</u>	<u>Land Use Category</u>	<u>BAU/Acre</u>	<u>Assessment Rate*</u>
A	Commercial, Industrial	12	\$43.56/acre
B	Apartments/Mobile Home Parks, Churches and Schools	9	\$32.67/acre
C	Single-Family Residential	6**	\$21.78/acre
D	Agricultural/Vacant Undeveloped	Exempt	\$0.00/acre
E	Golf Courses	0.10	\$0.36/acre
F	Undeveloped Portions of Parcels	0.05	\$0.18/acre

* Refer to Appendix B for a detailed discussion of the Benefit Assessment methodology.

** 1 BAU per single-family residence, assuming six equally sized residential parcels per acre.

The projected revenue for FY 2014-2015, using the proposed benefit assessment rate of \$3.63 per BAU is as follows:

Rate	Parcels*	BAUs	Assessment*	Projected Revenue**
\$3.63	54,799	89,395	\$324,505.08	\$300,167.20

* Based on FY 2013-2014 Assessor's information

** Assumes a 7.5% delinquency rate

The projected revenue along with a portion of the end of year balance from FY 2013-2014 will fund the District's NPDES Stormwater Management Program activities for the Whitewater Watershed area in FY 2014-2015. The proposed FY 2014-2015 budget is presented in Appendix A.

During the early years of the NPDES Program, there were many uncertainties regarding startup costs (consultant costs, amount of sampling that would be required, overall program scope, etc.) since the program was new for both the regulatory authorities and the Permittees. Consequently, the initial assessment rates were set conservatively to ensure that all Permit obligations could be met. To date, the District has been able to successfully negotiate reasonable Permit conditions and implement its Stormwater Management Program in a manner that has retained a portion of the program's initial budget surpluses. As a result, a modest fund balance has been maintained since the benefit assessments were first levied in FY 1991-1992. The District is gradually reducing the fund balance by maintaining the current assessment rate while sustaining expenditure levels that are slightly above projected revenues. It should be noted here that the current trend in California is toward more stringent regulation of municipal stormwater runoff. Thus, it is expected that the District's Permit compliance costs will increase over the coming years.

ASSESSMENT ROLL

The WWBAA Assessment Roll provides a listing by Assessor's Parcel Number of the proposed FY 2014-2015 Benefit Assessment to be levied on each parcel of property in the WWBAA. The Assessment Roll is identified as Appendix D and incorporated herein by this reference. This Engineer's Report along with the WWBAA Assessment Roll will be placed at the following locations for review by the public:

Clerk of the Board of Supervisors
4080 Lemon Street, 1st floor
Riverside, CA 92501

Riverside County Flood Control
and Water Conservation District
1995 Market St.
Riverside, CA. 92501

City of Banning
99 E. Ramsey Street
Banning, CA 92220

City of Palm Springs
3200 E. Tahquitz Canyon Way
Palm Springs, CA 92262

This Engineer's Report may also be viewed or downloaded at
<http://rcflood.org/NPDES/WhitewaterWS.aspx#WWbenefit>

NPDES PROGRAM HIGHLIGHTS (FY 2013-2014)

For the year ending June 30, 2014, the following tasks were accomplished in compliance with the 2013 Whitewater NPDES Permit:

- A. Continued implementation of 2008 Permit compliance documents, including the SWMP and the Water Quality Management Plan (WQMP) for New Development and Redevelopment in the Whitewater River Region. The 2013 Permit requires that the Permittees continue to implement these documents until revised versions are developed to reflect 2013 Permit requirements; these compliance documents must receive approval from the Regional Board Executive Officer to become effective. 2013 Permit compliance documents are due for submittal to the Regional Board on June 20, 2014.
- B. Worked collaboratively with Whitewater River Region Permittee staff to update all MS4 Permit compliance documents to reflect the requirements of the 2013 Permit, which was adopted on June 20, 2013. Compliance documents revised include the SWMP, WQMP and the BMP Design Manual; these documents are due for submittal to the Regional Board on June 20, 2014.
- C. Worked collaboratively with Permittee staff and legal counsel to develop and execute a new Implementation Agreement. The Implementation Agreement sets forth the cost sharing provisions, and the terms and conditions by which the Permittees perform and execute activities and responsibilities prescribed in the 2013 Permit.
- D. Assisted the Permittees with identifying BMPs to address the Coachella Valley Storm Water Channel (CVSC) Total Maximum Daily Load (TMDL) for Bacterial Indicators. The TMDL regulates discharges from MS4 owned by the City of Coachella, and was granted final approval by USEPA on April 27, 2012. Phase 1 of TMDL implementation began when the City of Coachella received Regional Board approval for its monitoring program plan on May 9, 2013, and will continue until May 2016.
- E. Continued to collaborate with water purveyors in the Whitewater River Region as planning partners in the Coachella Valley Regional Water Management Group (CVRWMG). The CVRWMG's purpose is to coordinate water resource management efforts, and to enable the Coachella Valley region to apply for grants tied to Department of Water Resource's Integrated Regional Water Management program. On December 31, 2013, the District provided comments on the updated Integrated Regional Water Management Plan, development of which was a prerequisite for application of round two Prop 84 grant funding.
- F. Continued proactive efforts to inform regulators and policy makers by working with the Permittees to provide comment on various draft policy and legislation which have potential to shape District, County and Permittee MS4 Permit compliance activities.
- G. Continued to chair the NPDES Desert Task Force, which is a committee comprised of Permittees, members of the Regional Board staff and interested parties. The Permittees coordinate their Urban Runoff management activities to work toward achieving the greatest protection of Receiving Water quality. This committee serves as a forum to effectively disseminate information, discuss regional and statewide program issues, and plan and coordinate Permittee actions to achieve compliance with the NPDES MS4 Permit.

- H. Continued implementation of the Commercial/Industrial Compliance Assistance Program (CAP) to conduct focused outreach to restaurants, automotive repair shops and certain other commercial and industrial establishments to encourage implementation of appropriate stormwater Best Management Practices and facilitate consistent and coordinated enforcement of local stormwater quality ordinances. Site visits included use of a survey checklist to document stormwater management practices for each facility.
- I. Continued financial support to area-wide Stormwater Pollution Prevention Programs, including Hazardous Materials Response (HAZMAT) Team, the Household Hazardous Waste (HHW) temporary and permanent collection events and "ABOP" (Anti-freeze, Batteries, Oil, and Paint) program.
- J. Developed, prepared and submitted a comprehensive District Annual Report and Watershed Annual Report to the Regional Board.
- K. Continued to utilize the District's \$2.5 million Low Impact Development (LID) Project to test, demonstrate and evaluate the effectiveness of LID practices in stormwater capture and management, treating pollutants of concern associated with urban runoff, mitigating the impacts of hydromodification from urban development, and identifying optimum design criteria and standards for LID BMPs in Riverside County. This project implements a variety of LID BMPs, and provides a facility in a centralized location which is convenient for educating residents, regulators, developers, municipal employees, engineers and other interested stakeholders from many Southern California communities. Data collected is also provided to the regional Southern California Stormwater Monitoring Coalition (SMC) LID Project. As this project will have statewide and regional benefits, the project is partially funded by a Proposition 13 grant and in partnership with SAWPA.
- L. The District completed development of an enhanced LID BMP Design Manual, which is focused on landscape-based BMPs and infiltration BMPs capable of addressing identified water quality impairments across Riverside County. The LID BMP Design Manual is available on the District's website. In May 2012, the District's Board of Supervisors adopted the LID BMP Manual and ordered the establishment of a Water Quality Facilities Maintenance Community Facilities District. The District subsequently executed the consulting services agreements for the CFD formation and legal services. At the start of the 2013/2014 Fiscal Year, the Riverside County Transportation Land Management Agency took responsibility for the CFD, and final stages of completing its formation. Funding generated by this CFD will support tracking and maintenance of residential and some commercial/industrial post-construction BMPs in the unincorporated County area.
- M. Continued collection and analysis of water quality samples in accordance with the Permit's Monitoring and Reporting Program via the Consolidated Program for Water Quality Monitoring (CMP). Water quality samples are collected during dry and wet weather at MS4 outfalls and Receiving Water stations for required constituents to ensure compliance with the 2013 Permit.
- N. Continued to update the CMP to describe the additional monitoring efforts that are being implemented to comply with the County's three NPDES Permits. The CMP includes procedures for collection and analysis of water quality samples at MS4 outfalls and Receiving Waters.
- O. Continued participation in the Stormwater Monitoring Coalition (SMC), a regional monitoring group comprised of Southern California Phase 1 Municipal NPDES Permit

holders whose focus is developing effective, meaningful stormwater quality monitoring techniques.

- P. Continued active participation in the California Stormwater Quality Association (CASQA). On behalf of the Permittees, the District serves many leadership roles within the organization, specifically: Jason Uhley, Board Member from 2010-present, Legislative Chair since 2003, Treasurer since 2010; and active contributory membership roles in the Monitoring & Science, Legislative, and Construction Sub-committees.
- Q. Continued active participation in the CASQA Pesticides Subcommittee, with the goal of facilitating changes to State and Federal pesticides regulations. These changes will improve processes for evaluating the environmental impacts on Receiving Waters of new pesticides, and also change labeling and use requirements for existing pesticides, such as pyrethroids.
- R. Continued to assist the Permittees in adapting to the requirements of the State Water Resources Control Board's Construction General Permit Order 2009-0009-DWQ, which was adopted on September 2, 2009, and amended in 2011 and 2013.
- S. Continued presentation of semi-annual municipal employee stormwater training programs. These training classes focus on the requisite knowledge for properly implementing the SWMP and WQMP, and address Permittee functions such as Development Planning, Municipal Activities, Industrial/Commercial Inspections and Construction Inspections. Fall and spring training sessions were held at the District, and also at the cities of Palm Springs, to provide close proximity to Permittees.
- T. Continued to provide Stormwater Pollution Prevention presentations in local elementary schools; 18 assembly style presentations were provided County-wide in 2013/2014, reaching over 3,000 students.
- U. Continued to chair the Public Education Subcommittee. Meetings include Permittee representation from each watershed to review elements of regional public education programs and program materials.
- V. Continued an ongoing effort to redesign the District's NPDES Public Education webpage to improve its effectiveness, usability and quality of information regarding MS4 compliance programs. The webpage is currently being reformatted extensively to add more usable and interactive data, as well as add information pertinent to new permit requirements, based on recommendations from the District's consultant. The webpage will provide information for the general public, Permittees, regulators, public and in-house personnel.
- W. Continued to host the District's NPDES website which provides information regarding the regional MS4 Permit compliance programs. The website provides pertinent information for Permittees, regulators, public and in-house personnel.
- X. Continued distribution of focused BMP brochures targeting Construction Activities, Pet Care, Guidelines for Swimming Pool, Jacuzzi and Garden Fountain Maintenance, Septic Tank Maintenance, Restaurant/Food Service Industry, Professional Mobile Services, Automobile Service Industry, Outdoor Cleaning Activities and Industrial Facilities. Efforts continue to ensure that brochures are updated as necessary.

- Y. Attended the 2014 Date Festival, 2013 Tamale Festival, and other community events to provide information and brochures on stormwater pollution prevention, recycling and proper disposal of household hazardous waste.
- Z. Developed and executed informative e-newsletters which are sent out quarterly, and focus on one key area of pollution prevention in each issue, for a variety of target audiences. The e-newsletters are also tightly integrated with the revised District website to enhance our ability to outreach to target audiences.
- AA. Continued to provide outreach material for County and District new employee orientation sessions regarding appropriate stormwater stewardship practices including clean water information and promotional items that link back to the County's "Only Rain Down the Storm Drain" message. Attendees receive a carry bag containing After the Storm, Outdoor Cleaning Activities, Pool and Spa Maintenance, Pet Care and Tips for Horse Care brochures. Various promotional items that reinforce outreach messages such as dust pans (use dry cleanup methods) imprinted with the "Only Rain Down the Storm Drain" logo and the 1-800 Toll Free line are also distributed.

PROGRAM/WORK ITEMS (FY 2014-2015)

The 2008 MS4 Permit expired on May 21, 2013. After working collaboratively with Permittee and Regional Board staff to develop region-appropriate language and requirements, the Regional Board adopted the fourth term MS4 Permit on June 20, 2013.

The 2013 Permit required revision of several key compliance documents within the first year of Permit adoption, including the SWMP, WQMP and BMP Design Manual; these revised documents are due for submittal for Regional Board approval by June 20, 2014. Additionally, the Implementation Agreement, which sets forth the cost sharing provisions, and the terms and conditions by which the Permittees perform and execute activities and responsibilities prescribed in the 2013 Permit, have to be developed and executed by June 20, 2014, to address 2013 Permit duties and requirements.

The 2013 Permit specifies that 2008 Permit compliance documents are in effect until the 2013 compliance documents receive Regional Board approval; therefore, Fiscal Year 2014-2015 will mark the first year of actual implementation of 2013 Permit requirements. The following program activities will be emphasized for the coming year:

NEW MS4 PERMIT IMPLEMENTATION

The 2013 Permit features additional data tracking requirements, adjustments to the monitoring program and annual reporting requirements, and also requires Permittee construction projects to seek coverage and comply with the State Water Resources Control Board's Construction General Permit, Order 2009-0009-DWQ. Training will be required to familiarize Permittee staff with these new requirements and the updated SWMP, WQMP and BMP Design Manual. These new requirements and program adjustments will involve extensive collaboration between Permittee and Regional Board staff during the coming fiscal year.

LID PROJECT

Construction of the District's \$2.5 million LID Project was completed in Spring of 2012; this project implements a variety of LID BMPs, and is being used to test and demonstrate the effectiveness of LID practices in stormwater capture and management, treating pollutants of concern associated with urban runoff, mitigating the impacts of hydromodification from urban development, and identifying optimum design criteria and standards for LID BMPs in Riverside County. The project provides a facility in a centralized location, which is convenient for educating residents, regulators, developers, municipal employees, engineers and other interested stakeholders from many Southern California communities.

This fiscal year, the District will continue to host tours of the facility, and gather data regarding water quality and flow, LID BMP functionality over time, and operations and maintenance cost and practices. Additionally, the District plans to work on a study with the Southern California Monitoring Coalition (SMC) to assess LID BMP effectiveness, develop a LID BMP monitoring effectiveness guidance manual, and produce recommendations for BMP implementation in southern California.

PROGRAM MANAGEMENT

As a Principal Permittee, the District conducts certain activities to coordinate the efforts of the Co-Permittees and facilitate compliance with the Permit. These activities include chairing monthly meetings of the Permittees' NPDES advisory committee (Desert Task Force), administration of area-wide programs (e.g., public education, household hazardous waste collection, hazardous material spill response, stormwater sample collection and analysis), ongoing program development and preparation of the Annual Report to the Regional Board. The

District will also focus its efforts on identifying and commenting on statewide issues that affect local stormwater programs.

AREA-WIDE PROGRAMS

The District will continue to provide financial support for several important "area-wide" BMP programs implemented on behalf of the Permittees. The programs currently include:

Public Education

The District provides for coordination and oversight of the area-wide NPDES public education and outreach efforts, including public outreach events, school and adult education programs, printed brochures and commercial media campaigns. This includes continued development and distribution of focused educational outreach materials for specific industries and businesses such as restaurants, auto repair shops, mobile cleaning businesses, and other commercial and industrial activities that are potential sources of stormwater pollution. Additionally, e-newsletters are developed and distributed quarterly, and the public education webpage is under an ongoing redesign effort to improve its effectiveness, usability and quality of information regarding MS4 compliance programs.

Training for Municipal Employees

Municipal training programs are provided to improve understanding of NPDES Permit requirements and stormwater BMPs. The classes focus on methods to reduce and/or eliminate sources of stormwater pollution from public agency facilities and activities, implementation of the WQMP, local Stormwater ordinances, and State Construction and Industrial General Permit requirements. Training is conducted specifically for construction inspection staff, industrial/commercial facilities inspection staff, municipal facilities maintenance staff, Compliance Assistance Program inspectors, and staff responsible for new development/re-development project review.

Hazardous Materials Emergency Spill Response

The District and Permittees provide financial support to the County Fire Department's Hazardous Materials Emergency Spill Response Team to ensure that hazardous chemical incidents (spills or illegal dumping) are responded to quickly, and effectively cleaned up.

Household Hazardous Waste Collection / ABOP

The District and Permittees provide financial support to the County Waste Management Department to support the permanent Household Hazardous Waste (HHW) collection site in the city of Palm Springs, ongoing mobile HHW collection events, and operation of the "ABOP" (Anti-freeze, Batteries, Oil, and Paint) program, which provide local residents with opportunities to properly dispose of HHW.

Compliance Assistance Program

The District is contracted with the County Environmental Health Department to conduct outreach and education to specific commercial establishments and industrial facilities in conjunction with existing facility inspection programs. In addition, this program provides feedback through survey forms concerning the compliance status of commercial and industrial facilities to both Permittees and the Regional Board.

WATER QUALITY MONITORING

In collaboration with the CVWD, a Whitewater Co-Permittee, the District conducts wet weather and dry weather sample collection and analysis in accordance with the fourth term MS4 Permit's Monitoring and Reporting Program (Section L). The District continues to improve the reporting of water quality monitoring activities and results.

CONCLUSIONS AND RECOMMENDATIONS

The area-wide Municipal Stormwater Program for the Whitewater Watershed has been implemented in an efficient, cost-effective manner through the ongoing cooperative efforts of the District, the Co-Permittees, the Regional Board, the Riverside County Fire Department and Riverside County Environmental Health Department. The District's NPDES Program activities, which are funded by these WWBAA assessments, are required to comply with the current NPDES Permit for the Whitewater Watershed and enforceable provisions of the California Water Code and the Federal Clean Water Act, which regulate the discharge of stormwater from municipally owned storm drains and flood control facilities. These mandatory stormwater management program activities are an essential component of the District's continuing operation and maintenance of its critical public safety facilities; therefore, the following action is recommended:

Levy a Flood Control Benefit Assessment in the Whitewater Watershed Benefit Assessment Area at an unchanged rate of \$3.63 per benefit assessment unit for the FY 2014-2015.

GLOSSARY

ABOP – A permanent collection facility that accepts Anti-freeze, Batteries, Oil and latex Paint for recycling and/or proper disposal

BAU – Benefit Assessment Unit

BMP – Best Management Practice

CAP – Compliance Assistance Program

CASQA - California Stormwater Quality Association

CMP – Consolidated Monitoring Program

CRWQCB - California Regional Water Quality Control Board

CVRWMG – Coachella Valley Regional Water Management Group

CVWD - Coachella Valley Water District

CWA – Clean Water Act

District – Riverside County Flood Control and Water Conservation District

FY – Fiscal Year

HAZMAT Team – Hazardous Materials Emergency Response Team

HHW – Household Hazardous Waste. Commonly used household chemicals that may be toxic or require special handling for proper disposal, e.g., automotive fluids, pesticides, fertilizers, paint, cleaning products, pool chemicals, etc.

IRWM - Integrated Regional Watershed Management Plan

LID – Low Impact Development

NPDES – National Pollutant Discharge Elimination System

Order R7-2008-0001 – Colorado River Basin Regional Board Order adopted on May 21, 2008

Regional Board - California Regional Water Quality Control Board – Colorado River Region

ROWD – Report of Waste Discharge

SMC – Southern California Stormwater Monitoring Coalition

SWMP – Storm Water Management Program

WWBAA – Whitewater Watershed Benefit Assessment Area

SWRCB – State Water Resources Control Board

TMDL – Total Maximum Daily Load

USEPA – United States Environmental Protection Agency

WQMP – Water Quality Management Plan

APPENDIX A

Proposed NPDES Program Budget for FY 2014-2015

APPENDIX A

WHITEWATER WATERSHED BENEFIT ASSESSMENT AREA PROPOSED NPDES PROGRAM BUDGET FOR FY 2014-2015

STAFFING

General Staff Salaries and Benefits	\$263,000
General Staff Standby/Differential/Overtime Pay	<u>2750</u>
Subtotal	\$265,750

ADMINISTRATION & OVERHEAD

Administration & Overhead	\$99,900
County Counsel Services	3,000
Equipment Lease / Rental	300
Vehicle Mileage	7,020
Photocopying / Reproduction	3,000
Miscellaneous (Photography, Communications, Supplies, etc.)	<u>5,160</u>
Subtotal	\$118,380

GENERAL CONSULTANT SERVICES

Technical / Regulatory Support	\$70,000
Grants / Misc. Applications	10,000
Benefit Assessment Services	<u>3,250</u>
Subtotal	\$83,250

PUBLIC EDUCATION PROGRAM

Education Program: Staff / Contract Services / Presentations	\$99,000
Education Program: Production / Materials / Media	<u>22,700</u>
Subtotal	\$121,700

WATER QUALITY MONITORING PROGRAM

Staff Time / Laboratory Services / Monitoring / Reporting	\$210,000
Small Tools & Equipment	<u>600</u>
Subtotal	\$210,600

POLLUTION PREVENTION PROGRAMS

Compliance Assistance Program (Environmental Health Dept.)	\$50,000
Household Hazardous Waste Program (Waste Management Dept.)	30,000
TMDL Compliance Agreements	<u>0</u>
Subtotal	\$80,000

PROGRAM SUBTOTAL

\$879,680

CONTINGENCY (10%)	\$87,968
Assessor's/Treasurer's Office Line Item Charges (\$0.51/parcel)	27,962
County Fee for Annual Submittal	<u>104</u>

TOTAL EXPENDITURES

\$995,714

FUND BALANCE FROM FY 2013-2014 (est.)	\$1,135,155
PERMITTEE REIMBURSEMENTS	\$415,062
PROJECTED REVENUE	<u>\$300,167</u>

CASH AVAILABLE

\$1,850,384

PROJECTED FUND BALANCE

\$854,670

APPENDIX B

RCFC&WCD Ordinance No. 14
(May 14, 1991)

ORDINANCE NO. 14

AN ORDINANCE OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT ESTABLISHING A BENEFIT ASSESSMENT FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PROGRAM

The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, State of California, do ordain as follows:

ARTICLE I

GENERAL

Section 1. Title.

This Ordinance shall be known as the "NPDES Program - Benefit Assessment Ordinance" of the Riverside County Flood Control and Water Conservation District.

Section 2. Purpose.

The United States Environmental Protection Agency (the "EPA") has, consistent with Section 402 of the Federal Clean Water Act, as amended, promulgated the National Pollutant Discharge Elimination System Regulations (the "NPDES Regulations") pursuant to which the EPA, through the appropriate California Regional Water Quality Control Board (the "CRWQCB") has required the Riverside County Flood Control and Water Conservation District (the "District") and other affected public entities to secure a National Pollutant Discharge Elimination System Stormwater Permit (the "NPDES Permit") which does require the District to develop, implement and manage identified programs dealing with stormwater runoff. The parcels of land within the respective watersheds within the District's jurisdiction for which a NPDES Permit is

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1 required will benefit from these programs. The Board of
2 Supervisors of the District has determined, pursuant to the
3 Riverside County Flood Control and Water Conservation Act (the
4 "District Act"), which is Chapter 48, as amended, of the
5 California Water Code Appendix, to establish certain Benefit
6 Assessment Areas in which the District will annually levy a
7 Benefit Assessment to pay the cost of these programs required by
8 the NPDES Permit. The Board of Supervisors of the District,
9 consistent with Section 48-14 of the District Act, held a noticed
10 public hearing at which time all testimony, oral and written, was
11 considered. As the conclusion of the public hearing, the Board of
12 Supervisors of the District adopted resolutions establishing the
13 Benefit Assessment Areas. The provisions of this Ordinance
14 confirming the establishment of the Benefit Assessment Areas and
15 providing for the annual levy of a Benefit Assessment are
16 consistent with the District Act and the reports prepared by the
17 Chief Engineer of the District and accepted by the Board of
18 Supervisors of the District.

19 The Board of Supervisors of the District finds that
20 the Benefit Assessment to be annually levied shall be based on the
21 proportional stormwater runoff generated by each lot or parcel
22 within the Benefit Assessment Area. Revenues derived from the
23 Benefit Assessment shall be applied exclusively to pay the
24 District's administrative and program costs associated with the
25 NPDES Permit required for the Benefit Assessment Area and are to
26 be apportioned to the Benefit Assessment Area in which they are
27 collected.

28 ////

1 ARTICLE II

2 DEFINITIONS

3 Section 1. Unless otherwise specifically provided or required by
4 the context, certain terms or expressions used herein have the
5 meanings set forth below:

6 a.) "Benefit Assessment" means the Benefit Assessment
7 to be levied annually on each Parcel within a Benefit
8 Assessment Area pursuant to Article IV of this Ordinance.

9 b.) "Benefit Assessment Area" means a Benefit Assessment
10 Area formed pursuant to Section 48-14 of the District Act
11 by the Board of Supervisors and identified in Article III
12 of this Ordinance.

13 c.) "Board of Supervisors" means the Board of Supervisors
14 of the Riverside County Flood Control and Water
15 Conservation District.

16 d.) "Chief Engineer" means the Chief Engineer of the
17 Riverside County Flood Control and Water Conservation
18 District.

19 e.) "County" means the County of Riverside, State of
20 California.

21 f.) "CRWQCB" means the California Regional Water Quality
22 Control Board for the region in which the Benefit
23 Assessment Area has been established.

24 g.) "District" means the Riverside County Flood Control
25 and Water Conservation District.

26 h.) "District Act" means the Riverside County Flood
27 Control and Water Conservation District Act, Statutes
28 1945, Chapter 1122, as amended; California Water Code,

1 Appendix, Chapter 48.

2 i.) "EPA" means the United States Environmental
3 Protection Agency, which, pursuant to the Clean Water
4 Act of 1976, as amended by the Water Quality Act of 1987,
5 has jurisdiction to establish the NPDES program and
6 promulgate regulations pursuant thereto.

7 j.) "NPDES Permit" means the permit, issued by the
8 regional CRWQCB, dealing with stormwater runoff in
9 association with the National Pollutant Discharge
10 Elimination System (NPDES) and the regulations
11 promulgated by the EPA.

12 k.) "NPDES Regulations" means the final regulations dated
13 November 16, 1990, and any subsequent amendments thereto
14 promulgated by the EPA governing the National Pollutant
15 Discharge Elimination System (NPDES).

16 l.) "Ordinance" means this Ordinance No. 14 of the
17 Riverside County Flood Control and Water Conservation
18 District.

19 m.) "Parcel" means a parcel of property identified by
20 Assessor parcel number as shown on the equalized tax
21 rolls of the County of Riverside, State of California.

22 ARTICLE III

23 ESTABLISHMENT OF BENEFIT ASSESSMENT AREAS

24 Section 1. Formation of Benefit Assessment Areas.

25 Pursuant to Section 48-14 of the District Act, the
26 Board of Supervisors noticed three public hearings to consider the
27 establishment of three Benefit Assessment Areas for each of which
28 a NPDES Permit would be required by the NPDES Regulations. At the

1 conclusion of the hearings, the Board of Supervisors adopted
2 Resolutions Nos. F91-21, F91-22, and F91-23 which established,
3 respectively, the Santa Ana Watershed Benefit Assessment Area, the
4 Santa Margarita Watershed Benefit Assessment Area, and the
5 Whitewater Watershed Benefit Assessment Area. The legal
6 descriptions for each of the Benefit Assessments Areas are
7 attached hereto, marked respectively Exhibits A, B, and C, and are
8 by this reference incorporated herein.

9 Section 2. Amendment to or Additional Benefit Assessment Areas.

10 The District may amend the boundaries of each of the
11 Benefit Assessment Areas or create additional Benefit Assessment
12 Areas, if in the District's administrative judgment the NPDES
13 Regulations and the NPDES Permits issued pursuant thereto so
14 require. To amend the boundaries to a Benefit Assessment Area or
15 to create an additional Benefit Assessment Area, the District is
16 to comply with provisions of the District Act then governing the
17 creation of a benefit assessment area.

18 ARTICLE IV

19 REPORT OF CHIEF ENGINEER, HEARING THEREON;

20 CONFIRMATION OF BENEFIT ASSESSMENT BY THE

21 BOARD OF SUPERVISORS

22 Section 1. Report.

23 The Chief Engineer shall cause to be prepared annually
24 a written report for each Benefit Assessment Area regarding the
25 Benefit Assessment to be levied and shall file each report with
26 the Clerk of the Board of Supervisors.

27 Section 2. Content of the Report.

28 Each report shall contain the District's estimate of

1 its administrative and program costs in association with the NPDES
2 Permit for the Benefit Assessment Area for the ensuing fiscal
3 year. Said estimate of cost shall be apportioned to each Parcel
4 on the basis of proportionate stormwater runoff generated from
5 each Parcel to be assessed. Only Parcels not otherwise exempted
6 by this Ordinance or the NPDES Regulations shall have a Benefit
7 Assessment levied on them. The report shall identify all Parcels
8 by Assessor parcel number on which a Benefit Assessment is to be
9 levied and the amount of the assessment.

10 Section 3. Resolution Accepting Report and Noticing Public
11 Hearing.

12 Upon the report being filed with the Clerk of the
13 Board of Supervisors, the Board of Supervisors is, by resolution,
14 to accept, if appropriate, the report and to set a date, time and
15 place for a hearing on said report. Prior to the date of the
16 hearing, a notice specifying the date, time, place and purpose of
17 the hearing and identifying those locations at which a property
18 owner may review the report shall be published in a newspaper of
19 general circulation within the Benefit Assessment Area pursuant to
20 the provisions of Section 6066 of the California Government Code.
21 In addition, the District shall cause the notice of the hearing to
22 be posted in at least three public places within the boundaries of
23 the Benefit Assessment Area at least seven (7) days prior to the
24 date of the hearing.

25 Section 4. Hearing.

26 The Board of Supervisors shall hear the matter on the
27 date and at the time specified in the notice, or as continued for
28 good cause. At the hearing, the Board of Supervisors shall hear

1 and consider all testimony, oral and written, presented, including
2 all written protests. At the conclusion of the hearing, the Board
3 of Supervisors may revise, change, reduce or modify any Benefit
4 Assessment and shall make its determination upon each Benefit
5 Assessment identified in the report. Thereafter, by resolution it
6 shall confirm the assessments. Such confirming resolution shall
7 be adopted no later than August 10 of each fiscal year in which
8 the Benefit Assessment is to be levied and collected.

9 Section 5. Enrollment.

10 The District shall provide certified copies of the
11 confirming resolutions and the roll of confirmed Benefit
12 Assessments, in an acceptable format, to the Auditor-Controller of
13 the County on or before August 10 of each fiscal year.

14 ARTICLE IV

15 LEVY OF BENEFIT ASSESSMENT

16 Section 1. Determination of the Amount to be Assessed.

17 The District is to estimate for the fiscal year in
18 which the Benefit Assessment is to be levied the administrative
19 and program costs that it will incur pursuant to the NPDES Permit
20 issued for each Benefit Assessment Area. This estimate of costs
21 is to be apportioned among the Parcels within each Benefit
22 Assessment Area on the basis of proportionate stormwater runoff
23 generated by each Parcel. The Benefit Assessment levied and
24 collected within each Benefit Assessment Area may only be applied
25 toward the costs incurred pursuant to the NPDES Permit for that
26 Benefit Assessment Area. If at the conclusion of any fiscal year
27 there remains in the account for a Benefit Assessment Area
28 unexpended funds, the remaining balance shall be applied toward

1 the estimated costs for the next fiscal year and thereby reduce
2 the amount of the Benefit Assessment to be levied. Benefit
3 Assessments levied and collected pursuant to this Ordinance may
4 not be applied toward any other costs or expenses of the District
5 nor may they be applied to the costs of a Benefit Assessment Area
6 other than the Benefit Assessment Area for which they were levied
7 and collected.

8 Section 2. Determination of Proportionate Storm Water Runoff and
9 Amount of Benefit Assessment to be Levied.

10 a.) Benefit Assessment Unit. The District shall
11 express the of proportionate stormwater runoff factor as a
12 decimal. The standard against which all property is to be
13 measured shall be a single-family residential parcel of 7,200
14 square feet (1/6 acre) in size to which a runoff factor of 0.40 is
15 ascribed and shall be called a Benefit Assessment Unit (BAU).

16 The runoff factor for each of the classes listed in subsection
17 (b) below are as follows:

18	Group A	0.80
19	Group B	0.60
20	Group C	0.40
21	Group D	Exempt
22	Group E	0.0067
23	Group F	0.0033

24 The runoff factor for each group is compared to the
25 runoff factor of the standard Benefit Assessment Unit (Group C) as
26 described above. This results in a runoff factor ratio. The
27 runoff factor ratio shall be that ratio established by comparing
28 Benefit Assessment Units assigned to one of the groups listed

1 above, compared to the standard Benefit Assessment Unit
2 represented by Group C. The number of Benefit Assessment Units
3 per parcel size for each of the classes listed in subsection (b)
4 below are as follows:

5	Group A	12 BAU/acre
6	Group B	9 BAU/acre
7	Group C	1 BAU/7200 sq. ft. lot
8	Group D	Exempt
9	Group E	0.10 BAU/acre
10	Group F	0.05 BAU/acre

11 b.) Classification of Parcels. All Parcels shall be
12 assigned to one of the following classifications based on land use:

- 13 Group A: Commercial or industrial use
- 14 Group B: Institutional uses, ie. churches, or
15 hospitals, or multiple family residential
16 use having four or more units per parcel,
17 ie. apartments or mobile home parks.
- 18 Group C: Single family residential or multiple
19 family residential having three or fewer
20 units on 1/6 of an acre parcel.
- 21 Group D: Agricultural uses, including dairies,
22 poultry, livestock, groves, orchards,
23 row crops, field crops, vines or dry farming.
- 24 Group E: Golf courses, cemeteries, etc. and that
25 portion of a single family residential
26 parcel in excess of 7,200 square feet (1/6
27 acre) but less than 2.5 acres.
- 28 Group F: The undeveloped portion of a parcel such

1 as the portion of a single family
2 residential parcel exceeding 2.5 acres.

3 Calculation of the Benefit Assessment Units to be
4 attributed to a single family residential unit on a Parcel larger
5 than 1/6 acre is cumulative with that portion of the Parcel in
6 excess of the 1/6 acre which falls in either Group E or F being
7 assigned the appropriate BAU for the amount of acreage falling
8 within either Group E or F.

9 It is determined that Parcels used as a railroad, gas,
10 water, telephone, cable television, electric utility right-of-way,
11 electric line right-of-way or other utility right-of-way will
12 benefit from the programs required by the NPDES Permit and will be
13 subject to the Benefit Assessment to be levied pursuant to this
14 Ordinance.

15 c.) Exempted Land Uses. All land uses expressly
16 exempted by the NPDES Regulation will be exempted from the levy of
17 a Benefit Assessment pursuant to this Ordinance. Those land uses
18 exempted are:

- 19 1.) Agricultural uses, including dairies,
20 poultry, livestock, groves, orchards, row
21 crops, field crops, vines or dry farming.
- 22 2.) Vacant, undeveloped parcels.
- 23 3.) Publicly owned parcels which are parcels
24 owned by a Federal, State or local public
25 entity or agency and used for public
26 purposes.

27 d.) Determination of Benefit Assessment Units per
28 Parcel. Once a Parcel is classified and its acreage is

1 determined, the appropriate BAU's per acre for its classification
2 will be multiplied by the acreage to determine the total Benefit
3 Assessment Units for the Parcel

4 e.) Determination of Benefit Assessment to be levied
5 per Benefit Assessment Unit. The aggregate number of Benefit
6 Assessment Units within a Benefit Assessment Area will be divided
7 into the estimated administrative and program costs for the
8 Benefit Assessment Area to determine the amount of Benefit
9 Assessment to be levied per Benefit Assessment Unit. The Benefit
10 Assessment to be levied on a Parcel is determined by the number of
11 Benefit Assessment Units ascribed to the Parcel and the assessment
12 value of each unit.

13 ARTICLE V

14 COLLECTION OF BENEFIT ASSESSMENT.

15 Section 1. Collection by Treasurer/Tax Collector.

16 The confirmed Benefit Assessment for each Parcel shall
17 appear as a separate item on the tax bill issued by the
18 Treasurer-Tax Collector of the County. The Benefit Assessment
19 shall be levied and collected at the same time and in the same
20 manner as the general ad valorem property taxes and shall be
21 subject to the same penalties and the same procedures for sale in
22 case of delinquency. If, for the first year the Benefit
23 Assessment is levied, the property on which the Benefit Assessment
24 is levied has been transferred or conveyed to a bona fide
25 purchaser for value, or if a lien of a bona fide encumbrancer for
26 value has been created and attached thereon, prior to the date on
27 which the first installment of ad valorem property taxes would
28 become delinquent, the Benefit Assessment shall not result in a

1 lien against the real property but shall be transferred to the
2 unsecured roll.

3 Section 2. Applicable Law.

4 All laws applicable to the levy, collection and
5 enforcement of ad valorem property taxes shall be applicable to
6 Benefit Assessments, except as otherwise provided herein.

7 Section 3. Validity of Benefit Assessment Not Affected by Time
8 Limits.

9 Failure to meet the time limits set forth in this
10 Ordinance for whatever reason shall not invalidate any Benefit
11 Assessment levied hereunder.

12 ARTICLE VI

13 CORRECTION OR CHANGE TO THE TAX ROLL

14 Section 1. Initiation of the Correction or Change.

15 A correction or change to the tax roll with respect to
16 a Benefit Assessment may be made by the Chief Engineer, either on
17 his own initiative, or on application by a property owner (the
18 "Assessee").

19 Section 2. Initiation by Flood Control Engineer.

20 The Chief Engineer may initiate a correction or change
21 to the tax roll at any time within four (4) years of the date of
22 the resolution of the Board of Supervisors confirming Benefit
23 Assessments placed upon the tax roll.

24 Section 3. Initiation by the Assessee.

25 The Assessee may initiate a correction or change to
26 the tax roll by filing a written application with the Chief
27 Engineer within 60 days following his/her receipt of the tax bill
28 reflecting the Benefit Assessment. The application shall contain

1 or include the following information, together with such
2 additional information deemed relevant by the Assessee or
3 requested by the Chief Engineer:

- 4 1. Assessor's parcel number.
- 5 2. Gross acreage.
- 6 3. Use of property as of the preceding March 1st.
- 7 4. Measurements of man-made impervious area, if known.
- 8 5. Copy of the tax bill containing the benefit
9 assessment.

10 Section 4. Categories of Corrections or Changes.

11 Upon approval of the Chief Engineer, corrections or
12 changes shall be made with respect to:

- 13 1. Ownership of a Parcel;
- 14 2. Address of an owner of a Parcel;
- 15 3. Subdivision of an existing Parcel;
- 16 4. Land use category of all or part of a Parcel;
- 17 5. Computation of the area of a Parcel;
- 18 6. Erroneous computation of the Benefit Assessment.

19 Corrections to the tax roll shall not be valid unless and
20 until approved by the Board of Supervisors. All corrections or
21 changes must be reported by the Chief Engineer to the
22 Auditor-Controller of the County, who shall prepare the amended
23 billing, as the case may be. The Chief Engineer shall give
24 written notice to the Assessee of the action taken on the
25 application.

26 If the Assessee disagrees with the Chief Engineer's
27 determination, he/she may file an appeal with the Board of
28 Supervisors within 30 days after receipt of the written notice.

1 The appeal shall be initiated by a written application filed with
2 the Clerk of the Board of Supervisors for refund of all or part of
3 the Benefit Assessment. The decision of the Board of Supervisors
4 shall be final and shall complete the administrative process. Any
5 further action by the Assessee for recovery of any part of the
6 Benefit Assessment shall be by complaint for refund filed in the
7 Superior Court.

8 ARTICLE VII

9 EFFECTIVE DATE OF ORDINANCE

10 This Ordinance shall take effect and be in force 30 days
11 after the adoption by the Board of Supervisors. Before the
12 expiration of fifteen (15) days after the effective date of this
13 Ordinance it shall be published once in The Press-Enterprise, a
14 newspaper of general circulation in the County of Riverside.

15
16 BOARD OF SUPERVISORS OF THE RIVERSIDE
17 FLOOD CONTROL AND WATER CONSERVATION
18 DISTRICT

19 BY *[Signature]*
20 Chairman

21 ATTEST:
22 GERALD A. MALONEY, Clerk

23 *[Signature]*
24 DEPUTY

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1 Attest:

2

3

4

(Seal)

5

6

STATE OF CALIFORNIA)
7) ss.
COUNTY OF RIVERSIDE)

8

9

I HEREBY CERTIFY that a regular meeting of the Board of
Supervisors of the Riverside County Flood Control and Water
10 Conservation District held on 6/4, 1991, the foregoing
11 ordinance consisting of 7 articles was adopted by said Board by
12 the following vote:

10

11

12

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14

Dated: 6/4/91

CLERK OF THE BOARD
OF SUPERVISORS

15

16

(Seal)

By Bernie May
Deputy

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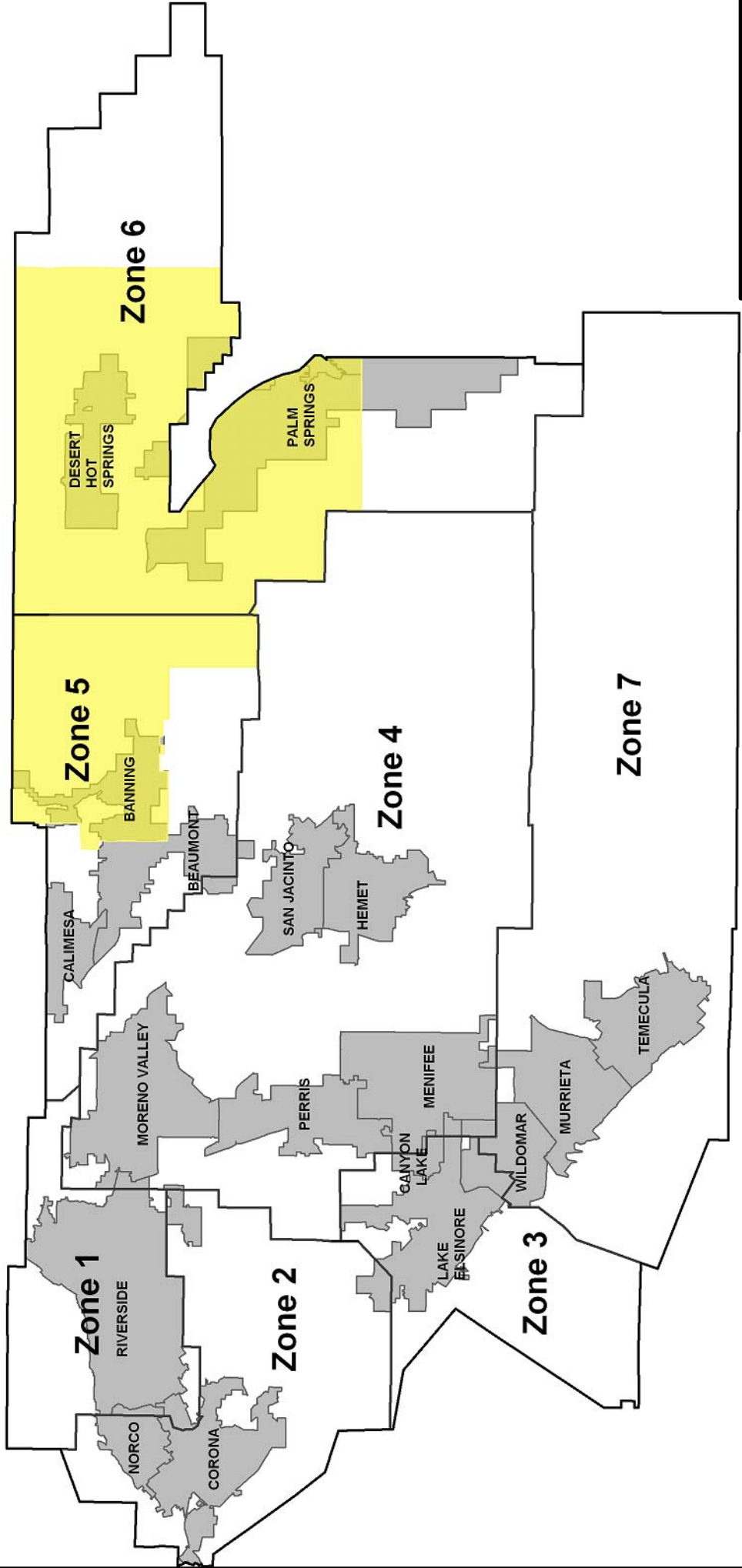
TJD:cm/db
5/17/91
ID #107C

APPENDIX C

Map of Whitewater Watershed Benefit Assessment Area

Riverside County Flood Control & Water Conservation District

Map of Whitewater Watershed Benefit Assessment Area



 - Whitewater Watershed Benefit Assessment Area (WWBAA)

APPENDIX C

Engineer's Report
to the
Board of Supervisors of
Riverside County Flood Control
and Water Conservation District

APPENDIX D

**WWBAA Assessment Roll (FY 2014-2015)
(Under Separate Cover)**