

APPENDIX A

Storm Water Resource Plan Guidelines Checklist and Self-Certification

Prepared for:

San Diego Regional Storm Water Copermittee

County of San Diego Department of Public

Storm Water Resource Plan Checklist and Self-Certification

The following should be completed and submitted to the State Water Resources Control Board Division of Financial Assistance in support of a storm water resource plan /functionally equivalent plan. The documents submitted, including this checklist, will be used to determine State Water Board concurrence with the Storm Water Resource Plan Guidelines and statutory water code requirements.

When combining multiple documents to form a functionally equivalent Storm Water Resource Plan, submit a cover letter explaining the approach used to arrive at the functionally equivalent document. The cover letter should explain how the documents work together to address the Storm Water Resource Plan Guidelines.

STORM WATER RESOURCE PLAN GENERAL CONTACT INFORMATION	
Contact Info: Name Phone Number Email	Ruth de la Rosa (858) 694-2752 ruth.delarosa@sdcounty.ca.gov
Date Submitted to State Water Resource Control Board:	March 1, 2017
Regional Water Quality Control Board:	San Diego Region
Title of attached documents (expand list as needed):	Revised Draft Final San Diego Regional Storm Water Resource Plan

STORM WATER RESOURCE PLAN INFORMATION	
Storm Water Resource Plan Title:	San Diego Regional Storm Water Resource Plan
Date Plan Completed/Adopted:	Scheduled on March 30, 2017
Public Agency Preparer:	County of San Diego, Department of Public Works, Watershed Protection Program
IRWM Submission:	Scheduled on March 30, 2017, Adoption April 5, 2017
Plan Description:	The San Diego Regional Storm Water Resource Plan guides the quantification and prioritization of projects that most effectively address the regional and watershed-based storm water quality and beneficial use goals for storm water and dry weather flows. The plan aids projects sponsors in the development and submission of multiple benefits projects in order to receive grants for stormwater and non-storm water runoff capture projects funded by voter-approved bonds.

Checklist Instructions:

For **each element** listed below, review the applicable section in the Storm Water Resource Plan Guidelines and enter ALL of the following information. Be sure to provide a clear and thorough justification if a recommended element (non shaded) is not addressed by the Storm Water Resource Plan.

- A. Mark the box if the Storm Water Resource Plan meets the provision
- B. In the provided space labeled **References**, enter:
 1. Title of document(s) that contain the information (or the number of the document listed in the General Information table above);
 2. The chapter/section, **and page number(s)** where the information is located within the document(s);
 3. The entity(ies) that prepared the document(s) if different from plan preparer;
 4. The date the document(s) was prepared, and subsequent updates; and
 5. Where each document can be accessed¹ (website address or attached).

STORM WATER RESOURCE PLAN CHECKLIST AND SELF-CERTIFICATION		
Mandatory Required Elements per California Water Code are Shaded and Text is <u>Bold</u>		
Y/N	Plan Element	Water Code Section

WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)		
Y	1. Plan identifies watershed and subwatershed(s) for storm water resource planning.	10565(c) 10562(b)(1) 10565(c)
<u>References:</u> The SWRP addresses nine WMAs within San Diego County (Figure 3-1). The WMAs are defined by the Municipal Storm Water Permit Order 2001-01. Table 3-1 shows the hydrologic units (HUs) and hydrologic areas (HAs) that comprise each WMA.		
Y	2. Plan is developed on a watershed basis, using boundaries as delineated by USGS, CalWater, USGS Hydrologic Unit designations, or an applicable integrated regional water management group, and includes a description and boundary map of each watershed and sub-watershed applicable to the Plan.	
<u>References:</u> Refer to Figure 3-1 for a map of the WMA's within San Diego County. The HUs and HAs within each WMA are shown in Figures 3-3, 3-9, 3-15, 3-21, 3-27, 3-33, 3-39, 3-45, and 3-51.		

¹ All documents referenced must include a website address. If a document is not accessible to the public electronically, the document must be attached in the form of an electronic file (e.g. pdf or Word 2013) on a compact disk or other electronic transmittal tool.

WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)	
Y	3. Plan includes an explanation of why the watershed(s) and sub-watershed(s) are appropriate for storm water management with a multiple-benefit watershed approach;
<u>References:</u> Refer to Page 3-1.	
Y	4. Plan describes the internal boundaries within the watershed (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, etc.; preferably provided in a geographic information system shape file);
<u>References:</u> Figures 3-2, 3-4, 3-5, 3-6, 3-8, 3-10, 3-11, 3-12, 3-14, 3-16, 3-17, 3-18, 3-20, 3-22, 3-23, 3-24, 3-26, 3-28, 3-29, 3-30, 3-32, 3-34, 3-35, 3-36, 3-38, 3-40, 3-41, 3-42, 3-44, 3-46, 3-47, 3-48, 3-50, 3-52, 3-53, 3-54, 3-55	
Y	5. Plan describes the water quality priorities within the watershed based on, at a minimum, applicable TMDLs and consideration of water body-pollutant combinations listed on the State's Clean Water Act Section 303(d) list of water quality limited segments (a.k.a impaired waters list);
<u>References:</u> Sections 3.1.3, 3.2.3, 3.3.3, 3.4.3, 3.5.3, 3.6.3, 3.7.3, 3.8.3, 3.9.3	
Y	6. Plan describes the general quality and identification of surface and ground water resources within the watershed (preferably provided in a geographic information system shape file);
<u>References:</u> Sections 3.1.4, 3.2.4, 3.3.4, 3.4.4, 3.5.4, 3.6.4, 3.7.4, 3.8.4, 3.9.4 and Figures 3-4, 3-10, 3-16, 3-22, 3-28, 3-34, 3-40, 3-46, 3-52	
Y	7. Plan describes the local entity or entities that provide potable water supplies and the estimated volume of potable water provided by the water suppliers;
<u>References:</u> Refer to Figures 3-6, 3-12, 3-18, 3-24, 3-30, 3-36, 3-42, 3-48, and 3-54 Refer to http://www.sdcwa.org/member-agencies to find member agency websites that report volumes of potable water supplied	
Y	8. Plan includes map(s) showing location of native habitats, creeks, lakes, rivers, parks, and other
<u>References:</u> Refer to Figures 3-4, 3-7, 3-10, 3-12, 3-46, 3-18, 3-22, 3-24, 3-28, 3-30, 3-34, 3-36, 3-40, 3-42, 3-46, 3-48, 3-52, and 3-54	

Y	9. Plan identifies (quantitative, if possible) the natural watershed processes that occur within the sub-watershed and a description of how those natural watershed processes have been disrupted within the sub-watershed (e.g., high levels of imperviousness convert the watershed processes of infiltration and interflow to surface runoff increasing runoff volumes; development commonly covers natural surfaces and often introduces non-native vegetation, preventing the natural supply of sediment from reaching receiving waters).
<u>References:</u> Refer to sections 3.1.6, 3.2.6, 3.3.6, 3.4.6, 3.5.6, 3.6.6, 3.7.6, 3.8.6, 3.9.6	

WATER QUALITY COMPLIANCE (GUIDELINES SECTION V)	
Y	10. Plan identifies activities that generate or contribute to the pollution of storm water or dry weather runoff, or that impair the effective beneficial use of storm water or dry weather runoff. 10562(d)(7)
<u>References:</u> Refer to sections 3.1.3, 3.2.3, 3.3.3, 3.4.3, 3.5.3, 3.6.3, 3.7.3, 3.8.3, 3.9.3	
Y	11. Plan describes how it is consistent with and assists in, compliance with total maximum daily load implementation plans and applicable national pollutant discharge elimination system permits. 10562(b)(5)
<u>References:</u> Refer to sections 3.1.3.1, 3.2.3.1, 3.3.3.1, 3.4.3.1, 3.5.3.1, 3.6.3.1, 3.7.3.1, 3.8.3.1, and 3.9.3.1	
Y	12. Plan identifies applicable permits and describes how it meets all applicable waste discharge permit requirements. 10562(b)(6)
<u>References:</u> Refer to sections 3.1.3.2, 3.2.3.2, 3.3.3.2, 3.4.3.2, 3.5.3.2, 3.6.3.2, 3.7.3.2, 3.8.3.2, and 3.9.3.2	

ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)	
Y	13. Local agencies and nongovernmental organizations were consulted in Plan development. 10565(a)
<u>References:</u> Refer to section 2.1	
Y	14. Community participation was provided for in Plan development. 10562(b)(4)
<u>References:</u> Refer to section 2.1	

Y	15. Plan includes description of the existing integrated regional water management group(s) implementing an integrated regional water management plan.
<u>References:</u> Refer to section 2.1	
ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)	
Y	16. Plan includes identification of and coordination with agencies and organizations (including, but not limited to public agencies, nonprofit organizations, and privately owned water utilities) that need to participate and implement their own authorities and mandates in order to address the storm water and dry weather runoff management objectives of the Plan for the targeted watershed.
<u>References:</u> Refer to section 2.1	
Y	17. Plan includes identification of nonprofit organizations working on storm water and dry weather resource planning or management in the watershed.
<u>References:</u> Refer to Table 2-2 and section 2.3	
Y	18. Plan includes identification and discussion of public engagement efforts and community participation in Plan development.
<u>References:</u> Refer to section 2.2 and Chapter 8	
Y	19. Plan includes identification of required decisions that must be made by local, state or federal regulatory agencies for Plan implementation and coordinated watershed-based or regional monitoring and visualization
<u>References:</u> Refer to section 2.4	
Y	20. Plan describes planning and coordination of existing local governmental agencies, including where necessary new or altered governance structures to support collaboration among two or more lead local agencies responsible for plan implementation.
<u>References:</u> Refer to section 2.1	
Y	21. Plan describes the relationship of the Plan to other existing planning documents, ordinances, and programs established by local agencies.
<u>References:</u> Refer to section 2.5	
	22. (If applicable) Plan explains why individual agency participation in various isolated efforts is appropriate.

References:

**QUANTITATIVE METHODS
(GUIDELINES SECTION VI.C)**

Y	23. For all analyses: Plan includes an integrated metrics-based analysis to demonstrate that the Plan's proposed storm water and dry weather capture projects and programs will satisfy the Plan's identified water management objectives and multiple benefits.
----------	---

References:

The integrated analysis of projects that have water quality and/or stormwater and urban runoff capture and beneficial use (water supply) as key elements and main benefits is conducted through the online OPTI SWRP Criteria and Metrics Checklist that is provided in hard copy form in Appendix F of the SWRP. The Checklist prioritizes projects quantitatively and calculates an overall integrated score. The water quality projects are then rated based on the assessment and prioritization of projects/strategies in the applicable WQIPs and on the level of priority pollutant removal. For water supply projects, the projects are quantitatively compared to the parcel assessment conducted as part of this SWRP, and the quantitative level of capture and beneficial use achieved compared to the assessment parcels. This integrated analysis is presented in Section 5.4.

Y	24. For water quality project analysis (section VI.C.2.a) Plan includes an analysis of how each project and program complies with or is consistent with an applicable NPDES permit. The analysis should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. Describes how each project or program will contribute to the preservation, restoration, or enhancement of watershed processes (as described in Guidelines section VI.C.2.a)
----------	---

References:

Refer to section 5.1.1, which references the WQIPs and provides a summary of the watershed-based analyses that have been conducted in the development of the WQIPs, including modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. The WQIPs have also been prepared in accordance with the current Storm Water MS4 NPDES Permit. The projects that are listed in the SWRP have undergone an assessment through the completion of the online OPTI SWRP Criteria and Metrics Checklist, which is provided in hard copy form in Appendix F. This checklist assesses and assigns a score to each project/program in how it contributes to the preservation, restoration, or enhancement of watershed processes. Quantification of these contributions are requested in the checklist and are used to score and rank the projects/program. Projects/programs with a water quality benefit receive additional points based on the assessment and prioritization conducted in the WQIPs.

Y	25. For storm water capture and use project analysis (section VI.C.2.b): Plan includes an analysis of how collectively the projects and programs in the watershed will capture and use the proposed amount of storm water and dry weather runoff.
----------	--

<u>References:</u>	
Refer to section 5.2, which presents the results of the public parcel assessment and stormwater and urban runoff capture and use opportunities. Projects that are listed in the SWRP are compared to the set of public parcels and opportunities on a quantitative basis and scored and ranked. The listed projects are compared collectively to the range of annual stormwater and runoff volume collected and used for the public parcels and other opportunities and ranked to provide the analysis under this checklist item.	
Y	26. For water supply and flood management project analysis (section VI.C.2.c): Plan includes an analysis of how each project and program will maximize and/or augment water supply.
<u>References:</u>	
Refer to section 5.2 and refer to the response under #25. Flood management projects with a water supply key element and main benefit (in addition to the flood management benefit) will be analyzed as discussed in <u>Section 5.2</u> and per the response under #25.	
Y	27. For environmental and community benefit analysis (section VI.C.2.d): Plan includes a narrative of how each project and program will benefit the environment and/or community, with some type of quantitative measurement.
<u>References:</u>	
Refer to section 5.4 for the integrated analysis of projects, including how environmental and community benefits are assessed and scored and then integrated into an overall project score.	
Y	28. Data management (section VI.C.3): Plan describes data collection and management, including: a) mechanisms by which data will be managed and stored; b) how data will be accessed by stakeholders and the public; c) how existing water quality and water quality monitoring will be assessed; d) frequency at which data will be updated; and e) how data gaps will be identified.
<u>References:</u>	
Refer to section 5.6	

IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D)	
Y	29. Plan identifies opportunities to augment local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff. 10562(d)(1)
<u>References:</u>	
Refer to sections 5.2 and 5.4.2.2. The SWRP provides an assessment of opportunities for local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff as part of the public parcel assessment and other opportunities for water supply.	
Y	30. Plan identifies opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff. 10562(d)(2)

<u>References:</u>	
Refer to section 5.4.2.1. Opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff are identified in the WQIPs as watershed strategies to meet interim and final goals for the highest priority water quality conditions. Listed projects in the SWRP are assessed with regard to whether the projects have been assessed and prioritized using the watershed-based quantitative methodology in the WQIP.	
Y	31. Plan identifies projects that reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible. 10562(d)(3)
<u>References:</u>	
Refer to section 5.4.2.1. Opportunities for projects that reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions are identified in the WQIPs as watershed strategies to meet interim and final goals for the highest priority water quality conditions. Listed projects in the SWRP are assessed with regard to whether the projects have been assessed and prioritized using the watershed-based quantitative methodology in the WQIP. The projects listed are assessed through the online checklist with regard to providing these benefits and are scored and ranked using the integrated assessment.	
Y	32. Plan identifies opportunities to develop, restore, or enhance habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks. 10562(d)(4)
<u>References:</u>	
Refer to section 5.1.4 and 5.4.2.4	
Y	33. Plan identifies 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 storm water and dry weather runoff either onsite or offsite. 10562(d)(5), 10562(b)(8)
<u>References:</u>	
Refer to section 5.2 for the public parcel assessment for water supply benefits. Refer to Appendix E for the assessment of public parcels for habitat restoration opportunities. A public parcel analysis for water quality opportunities has been completed in the development of the WQIPs and summarized in these documents.	

IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D)	
Y	34. For new development and redevelopments (if applicable): Plan identifies design criteria and best management practices to prevent storm water and dry weather runoff pollution and increase effective storm water and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development. 10562(d)(6)

References:

Refer to Section 5.1.1, which references and summarizes the WQIPs. The WQIPs include an identification, assessment, and prioritization of BMPs and other strategies to address water quality from new and re-development projects. These include non-structural BMP such as updates to BMP Manuals, additional inspections, and enforcement activities.

Y

**35. Plan uses appropriate quantitative methods for prioritization of projects. 10562(b)(2)
(This should be accomplished by 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.)**

References:

Refer to section 5.4 for the integrated assessment. The integrated analysis of projects is conducted through the online OPTI SWRP Criteria and Metrics Checklist. The Checklist prioritizes projects quantitatively with an overall integrated score. The water quality projects are then rated based on the assessment and prioritization of projects/strategies in the applicable WQIPs and on the level of priority pollutant removal. For water supply projects, the projects are compared to the parcel assessment conducted as part of this SWRP and the quantitative level of capture and beneficial use achieved compared to the assessment parcels.. Projects that include additional flood management, environmental, and/or community benefit are assessed and scored using the online OPTI Checklist that then provides an overall integrated score and ranking.

Y

**36. Overall:
Plan prioritizes projects and programs using a metric-driven approach and a geospatial analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and community benefits within the watershed.**

References:

Refer to section 5.4. See response to previous checklist item. Projects are analyzed geo-spatially through the parcel assessments conducted in the WQIPs for water quality, in Section 5.2 for water supply, in Appendix E for habitat restoration, and for other benefits in the plans referenced in Section 5.1. All of these analyses are then integrated through the online OPTI Checklist, which assesses and scores projects/programs on whether they have been identified and assessed through these geo-spatial analyses and on the combined benefits that are achieved. The tools provided in the SWRP encourage watershed collaboration of projects and the development and implementation of multi-benefit projects that have storm water, water quality, and /or water supply as main benefits.

Y

**37. Multiple benefits:
Each project in accordance with the Plan contributes to at least two or more Main Benefits and the maximum number of Additional Benefits as listed in Table 4 of the Guidelines.
(Benefits are not counted twice if they apply to more than one category.)**

References:

Refer to section 5.4 for the project eligibility requirements. This is step 1 in the integrated assessment.

**IMPLEMENTATION STRATEGY AND SCHEDULE
(GUIDELINES SECTION VI.E)**

Y

38. Plan identifies resources for Plan implementation, including: 1) projection of additional funding needs and sources for administration and implementation needs; and 2) schedule for arranging and securing Plan implementation financing.

<u>References:</u> Refer to sections 6.1 and 6.4		
Y	39. Plan projects and programs are identified to ensure the effective implementation of the storm water resource plan pursuant to this part and achieve multiple benefits.	10562(d)(8)
<u>References:</u> Refer to section 6.2		
Y	40. The Plan identifies the development of appropriate decision support tools and the data necessary to use the decision support tools.	10562(d)(8)
<u>References:</u> Refer to section 6.3		
Y	41. Plan describes implementation strategy, including: a) Timeline for submitting Plan into existing plans, as applicable; b) Specific actions by which Plan will be implemented; c) All entities responsible for project implementation; d) Description of community participation strategy; e) Procedures to track status of each project; f) Timelines for all active or planned projects; g) Procedures for ongoing review, updates, and adaptive management of the Plan; and h) A strategy and timeline for obtaining necessary federal, state, and local permits.	
<u>References:</u> Refer to section 6.4		
Y	42. Applicable IRWM plan: The Plan will be submitted, upon development, to the applicable integrated regional water management (IRWM) group for incorporation into the IRWM plan.	10562(b)(7)
<u>References:</u> Refer to sections 6.1 and 6.4		

IMPLEMENTATION STRATEGY AND SCHEDULE (GUIDELINES SECTION VI.E)		
Y	43. Plan describes how implementation performance measures will be tracked.	
<u>References:</u> Refer to section 6.4		

EDUCATION, OUTREACH, PUBLIC PARTICIPATION (GUIDELINES SECTION VI.F)		
Y	44. Outreach and Scoping: Community participation is provided for in Plan implementation.	10562(b)(4)
<u>References:</u> Refer to section 2.1 and 2.2		
Y	45. Plan describes public education and public participation opportunities to engage the public when considering major technical and policy issues related to the development and implementation.	
<u>References:</u> Refer to section 2.1 and 2.2		
Y	46. Plan describes mechanisms, processes, and milestones that have been or will be used to facilitate public participation and communication during development and implementation of the Plan.	
<u>References:</u> Refer to section 2.1 and 2.2		
Y	47. Plan describes mechanisms to engage communities in project design and implementation.	
<u>References:</u> Refer to section 2.1 and 2.2		
Y	48. Plan identifies specific audiences including local ratepayers, developers, locally regulated	
<u>References:</u> Refer to section 2.1 and 2.2		

EDUCATION, OUTREACH, PUBLIC PARTICIPATION (GUIDELINES SECTION VI.F)		
Y	49. Plan describes strategies to engage disadvantaged and climate vulnerable communities within the Plan boundaries and ongoing tracking of their involvement in the planning process.	
<u>References:</u> Refer to section 2.1 and 2.2		
Y	50. Plan describes efforts to identify and address environmental injustice needs and issues within the watershed.	

<u>References:</u>	
Refer to section 2.1 and 2.2	
Y	51. Plan includes a schedule for initial public engagement and education.
<u>References:</u>	
Refer to section 2.1 and 2.2	

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief.

Bill E. Cupt Director, Public Works 2/27/17
 Authorized Signature Title Date

 Authorized Signature Title Date

County of San Diego, Department of Public Works

 Public Agency