

**STATE OF CALIFORNIA**  
**Budget Change Proposal - Cover Sheet**  
 DF-46 (REV 02/20)

<b>Fiscal Year</b> 2020-21	<b>Business Unit</b> 3940	<b>Department</b> State Water Resources Control Board	<b>Priority No.</b>
<b>Budget Request Name</b> 3940-063-BCP-2020-MR		<b>Program</b> 3560-WATER QUALITY	<b>Subprogram</b>

**Budget Request Description**  
 Accurate and Timely Assessment of California's Surface Water Quality

**Budget Request Summary**

The State Water Board requests 8.0 ongoing permanent positions and \$1,289,000 from Waste Discharge Permit Fund to prepare comprehensive, accurate and timely assessments of California's rivers, lakes, beaches and other surface waters. This is needed due to a steady increase in available surface water quality data and the need to conform federal regulatory requirements and to come into compliance with a court decision.

<b>Requires Legislation</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Code Section(s) to be Added/Amended/Repealed</b>	
<b>Does this BCP contain information technology (IT) components?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, departmental Chief Information Officer must sign.</i>	<b>Department CIO</b>	<b>Date</b>

**For IT requests, specify the project number, the most recent project approval document (FSR, SPR, S1BA, S2AA, S3SD, S4PRA), and the approval date.**

**Project No.    Project Approval Document:**

**Approval Date:**

**If proposal affects another department, does other department concur with proposal?**  Yes     No  
*Attach comments of affected department, signed and dated by the department director or designee.*

<b>Prepared By</b>	<b>Date</b>	<b>Reviewed By</b>	<b>Date</b>
<b>Department Director</b>	<b>Date</b>	<b>Agency Secretary</b>	<b>Date</b>

**Department of Finance Use Only**

**Additional Review:**  Capital Outlay     ITCU     FSCU     OSAE     CALSTARS     Dept. of Technology

<b>PPBA</b> Sergio Aguilar	<b>Date submitted to the Legislature</b> 5/14/2020
-------------------------------	---

## A. Budget Request Summary

The State Water Board requests 8.0 ongoing permanent positions and \$1,289,000 from Waste Discharge Permit Fund to prepare comprehensive, accurate and timely assessments of California's rivers, lakes, beaches and other surface waters. This is needed due to a steady increase in available surface water quality data and the need to conform to federal regulatory requirements and to come into compliance with a court decision.

## B. Background/History

The California Integrated Report combines the Clean Water Act section 305(b) water quality assessment and the section 303(d) list of impaired waters into one report that describes the water quality of California's lakes, rivers, beaches and other aquatic environments. Each year, millions of water quality samples are collected, analyzed and submitted to the Water Boards for consideration for the Integrated Report. Water Board staff assesses the data to identify where waters are "impaired" due to excessive amounts of pollutants.

Waters identified as impaired are then prioritized for clean-up actions such as total maximum daily loads or other implementation measures. Thus, the Integrated Report plays a key role to inform and guide actions to protect and restore the health and resiliency of California's waterways. In turn, the effectiveness of these actions relies on thorough, accurate and comprehensive Integrated Report assessments.

### Resource History (Dollars in thousands)

Program Budget	PY – 4	PY – 3	PY – 2	PY-1	PY
Authorized Positions	13	13	13	13	13

### Workload History

Workload Measure	PY – 4 (14/15)	PY – 3 (15/16)	PY – 2 (16/17)	PY-1 (17/18)	PY (18/19)	CY (19/20)
Integrated Report Submitted to U.S. EPA	1			1		
CEDEN Data Records	12.8 million	14.5 million	16.7 million	18.8 million	22.9 million	26.6 million

## C. State Level Consideration

The importance of the Integrated Report was recognized by Governor Newsom's April 19, 2019 water resilience executive order. Item 2.b requires state agencies to inventory and assess existing water quality of the state's aquifers, rivers, lakes and beaches.  
(<https://www.gov.ca.gov/2019/04/29/water-resilience-portfolio-for-california/>)

Subsequently, the Integrated Report water quality assessments were incorporated in Appendix 3 of the state agency response 2020 Water Resilience Portfolio  
(<http://waterresilience.ca.gov/wp-content/uploads/2020/01/California-Water-Resilience-Portfolio-2019-Final2.pdf>).

## Analysis of Problem

The proposal helps achieve the State Water Board's Strategic Plan Goal 4 to comprehensively address water quality protection and restoration.

### D. Justification

Additional staff is needed to conduct accurate and timely assessments of the growing amount of water quality data being generated in California in order to better inform decisions, support actions for long-term water resilience, and comply with a recent court decision and the biennial deadline for the Integrated Report submission to U.S. EPA.

The Integrated Report is developed in cycles that take three to four years to complete from start to finish. Water Board staff are tasked with compiling and processing the millions of records of data submitted each cycle, checking the quality of the data, mapping each sampling location to a waterbody, identifying the appropriate evaluation guidelines for hundreds of pollutants, and then running statistical tests for each waterbody-pollutant combination to determine if the waterbody is impaired. The assessments are compiled into a statewide list and released for public review and comment. Public comments are then responded to and the list is presented to the Water Board for consideration for adoption. Once adopted, the Integrated Report is submitted to U.S. EPA.

Federal law (40 C.F.R. § 130.7, 33 U.S.C. § 1515(b)) requires the Integrated Report be submitted biennially on April 1 of every even-numbered year to the U.S. EPA. The last several Integrated Reports were submitted late. Delays were due to the large amount of data submitted and assessed, the desire to have significant public engagement, and the administration of one cycle at a time.

On August 30, 2019, the Superior Court of California, County of Sacramento issued a final ruling in *Earth Law Center, San Diego Coastkeeper, and Los Angeles Waterkeeper v. State Water Resources Control Board*. In the final ruling, the court states a writ shall issue enjoining the State Water Board to come into compliance with the biennial April 1 deadlines to submit the Integrated Report to U.S. EPA, no later than April 1, 2022. In order to meet this commitment, staff have been diverted from other programs, which will delay on-the-ground actions to clean up waters impaired by pollutants.

Substantial progress has been made to improve procedures for efficiency and accuracy. The Water Board is now administering multiple Integrated Report cycles concurrently. Two cycles are currently active and the data solicitation period for a third cycle will begin in 2020. Steps have been taken to automate and streamline many of the data processing, mapping and analysis steps. These actions have and will continue to help staff process more data more quickly; however, the amount of data submitted each cycle has steadily increased and is expected to continue to increase as real-time, continuous monitoring becomes available for more pollutants and sampling equipment is deployed in more locations.

### E. Outcomes and Accountability

This budget request specifically addresses program resource needs to assess increasing amounts of water quality data and to come into compliance with a court order and the biennial deadline for the Integrated Report submission to U.S. EPA by 2022. To come into compliance with the court order, the Water Board has committed to the following: submit the

## Analysis of Problem

2018 Cycle to U.S. EPA by December of 2020; combine the 2020 Cycle and the 2022 Cycle and submit them to U.S. EPA by April 1, 2022; submit the 2024 Cycle by April 1, 2024; and submit all subsequent cycles by the corresponding biennial April 1 compliance date.

The 8.0 PYs will be located at the State Water Board office. Six Environmental Scientists will be organized into a new unit managed by a Senior Environmental Scientist (Supervisory) located in the Surface Water Standards and Assessment Section of the Division of Water Quality at the State Water Board. The six Environmental Scientists will assess data for waters for specific regions and Integrated Report cycles, with two scientists primarily assigned to each cycle, and three cycles in development concurrently. The new unit will perform regional data assessments to ensure the Integrated Report for each Regional Water Quality Control Board are completed on time. Locating the unit at the State Water Board will improve the efficiency of data assessments as the scientists will be focused on this program, will not be redirected to other projects, will be continually trained, and will benefit from a team environment in a central location.

An Information Technology Specialist III will be located in the Division of Information Technology at the State Water Board.

### Projected Outcomes

<b>Workload Measure</b>	<b>CY (19-20)</b>	<b>BY (20/21)</b>	<b>BY+1 (21/22)</b>	<b>BY+2 (22/23)</b>	<b>BY+3 (23/24)</b>	<b>BY+4 (24/25)</b>
Integrated Report Submitted to U.S. EPA		1	1		1	
CEDEN Data Records	26.6 million	30.9 million	35.8 million	42.5 million	48.1 million	55.9 million

#### F. Analysis of All Feasible Alternatives

ALTERNATIVE 1 (Preferred Alternative): Approve the current proposal to add 8.0 permanent staff and \$1,289,000 from the Waste Discharge Permit Fund.

PROS:

- Timely submission of Integrated Reports
- Compliance with court order
- Better information for managers to improve water quality and increase resiliency

CONS:

- Increases in permit fees

ALTERNATIVE 2: Redirect 8.0 staff from other programs to Integrated Report

PROS

- Timely submission of Integrated Reports
- Better information for managers to improve water quality and increase resiliency
- No impact on permit fees

CONS

- Implementation actions to improve water quality are not completed and degraded conditions continue
- Other program commitments not completed

## Analysis of Problem

ALTERNATIVE 3: No action. Continue with existing staff resources.

### PROS

- No increase in permit fees
- No impact on other programs

### CONS

- Integrated Reports not submitted on time and likely failure to comply with court decision
- Reduced understanding of water quality conditions
- Less information available to managers to improve water quality and resiliency

## G. Implementation Plan

The 8.0 positions would be housed at the Water Boards headquarters in the Division of Water Quality and the Division of Information Technology. Effective July 1, 2020, the Water Boards would initiate the recruitment of the staff to fill the 8.0 new positions requested in this proposal. Changes to the Waste Discharge Permit Fund Schedule would likely be made in the fall of 2020.

## H. Supplemental Information

No additional special resources are needed to support the proposal.

## I. Recommendation

The State Water Resources Control Board recommends approving 8.0 ongoing permanent positions and \$1,289,000 from the Waste Discharge Permit Fund to address increased workload for water quality assessment and to come into compliance with a court decision and federal regulatory requirements.

# BCP Fiscal Detail Sheet

BCP Title: Accurate and Timely Assessment of California's Surface Water Quality

BR Name: 3940-063-BCP-2020-MR

Budget Request Summary

## Personal Services

Personal Services	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
Positions - Permanent	0.0	8.0	8.0	8.0	8.0	8.0
<b>Total Positions</b>	<b>0.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>
Salaries and Wages Earnings - Permanent	0	638	638	638	638	638
<b>Total Salaries and Wages</b>	<b>\$0</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>
Total Staff Benefits	0	308	308	308	308	308
<b>Total Personal Services</b>	<b>\$0</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>

## Operating Expenses and Equipment

Operating Expenses and Equipment	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
5301 - General Expense	0	12	12	12	12	12
5302 - Printing	0	19	19	19	19	19
5304 - Communications	0	47	47	47	47	47
5306 - Postage	0	9	9	9	9	9
5320 - Travel: In-State	0	85	85	85	85	85
5322 - Training	0	76	76	76	76	76
5324 - Facilities Operation	0	95	95	95	95	95
<b>Total Operating Expenses and Equipment</b>	<b>\$0</b>	<b>\$343</b>	<b>\$343</b>	<b>\$343</b>	<b>\$343</b>	<b>\$343</b>

## Total Budget Request

Total Budget Request	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
<b>Total Budget Request</b>	<b>\$0</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>

## Fund Summary

Fund Source

### Analysis of Problem

Fund Source	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
State Operations - 0193 - Waste Discharge Permit Fund	0	1,289	1,289	1,289	1,289	1,289
<b>Total State Operations Expenditures</b>	<b>\$0</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>
<b>Total All Funds</b>	<b>\$0</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>

### Program Summary

#### Program Funding

Program Funding	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
3560 - Water Quality	0	1,289	1,289	1,289	1,289	1,289
<b>Total All Programs</b>	<b>\$0</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>	<b>\$1,289</b>

### Personal Services Details

#### Positions

Positions	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
0762 - Environmental Scientist	0.0	6.0	6.0	6.0	6.0	6.0
0764 - Sr Envirnal Scientist (Supvry)	0.0	1.0	1.0	1.0	1.0	1.0
1415 - Info Tech Spec III	0.0	1.0	1.0	1.0	1.0	1.0
<b>Total Positions</b>	<b>0.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>

#### Salaries and Wages

Salaries and Wages	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
0762 - Environmental Scientist	0	404	404	404	404	404
0764 - Sr Envirnal Scientist (Supvry)	0	125	125	125	125	125
1415 - Info Tech Spec III	0	109	109	109	109	109
<b>Total Salaries and Wages</b>	<b>\$0</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>	<b>\$638</b>

### Analysis of Problem

#### Staff Benefits

Staff Benefits	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
5150350 - Health Insurance	0	157	157	157	157	157
5150600 - Retirement - General	0	151	151	151	151	151
<b>Total Staff Benefits</b>	<b>\$0</b>	<b>\$308</b>	<b>\$308</b>	<b>\$308</b>	<b>\$308</b>	<b>\$308</b>

#### Total Personal Services

Total Personal Services	FY20 Current Year	FY20 Budget Year	FY20 BY+1	FY20 BY+2	FY20 BY+3	FY20 BY+4
<b>Total Personal Services</b>	<b>\$0</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>	<b>\$946</b>