QAPP Amendment Form

PROGRAM:	Delta Regional Monitoring Program (DRMP)
PROJECT:	Constituents of Emerging Concern (CEC)
QAPP VERSION:	Version 2.0
PREPARED BY:	MLJ Environmental
DATE SUBMITTED:	May 27, 2022

Title: Amendment to Update the Station Location for San Joaquin River at Buckley Cove

Section of QAPP affected:

Table 10 1. Planned sampling locations for Year 2.

Reason for Changes:

Year 2 monitoring for the Delta Regional Monitoring Program (Delta RMP) Constituents of Emerging Concern (CEC) project was planned to take place at the San Joaquin River at Buckley Cove site (544LSAC13) as it is defined in the California Environmental Data Exchange Network (CEDEN) including Station Name (San Joaquin R at Buckley Cove), Station Code (544LAC13), and target latitude and longitude (37.97183, -121.373619). During Year 2 sampling Events 2 (October 25, 2021) and 3 (April 28, 2022), sample collection occurred approximately 310 meters from the target coordinates initiating discussions regarding whether the target location should be adjusted. The QAPP also defines that a sample should be collected within 100 meters of the target latitude and longitude unless the sample is collected from a boat; therefore, deviation forms have been created for these two sample events.

Delta RMP data management staff, the Delta RMP Program Manager, and the Central Valley Regional Water Quality Control Board (CVRWQCB) Quality Assurance (QA) Representative reviewed the coordinates associated with samples collected from the San Joaquin River at Buckley Cove compared to the target latitude/longitude across monitoring programs and events associated with Year 1 and Year 2 CEC monitoring. It was agreed to keep the language in the QAPP that samples should be collected within 100 meters of the target latitude/longitude when sampling from a bank. Therefore, the discussion reviewed the concern of being able to collect a sample within 100 meters of the target latitude/longitude (this spot is behind a marina gate which is sometimes locked and is on private property) and whether changing the target latitude/longitude would have an impact on the study design. It was agreed that the best solution would be to create a new CEDEN station and associate all CEC data currently associated with Station Code 544LAC13 to the new station information.

The CEC QAPP is being updated to reflect the new station code and information that will more accurately reflect the updated target sample location.

Detail of Changes:

Table 10. 1 will be updated to change Station Code 544LSAC13, San Joaquin R at Buckley Cove to 544SJRNBC, San Joaquin River near Buckley Cove. The target coordinate for 544SJRNBC San Joaquin River near Buckley Cove will be 37.97417, -121.37601 (WGS84).

Table 10-1. Planned sampling locations for Year 2.

Num	CEDEN Station Code	Station Name	Latitude	Longitude	Number of sampling events per year, for each target matrix:				Take Water Sample from	Agency doing sampling for each matrix:				Notes
					Water	Sediment	Fish	Bivalves		Water	Sediment	Fish	Bivalves	
1	519SUT108[1]	Sacramento River at Elkhorn Boat Launch Facility	38.67245	-121.625	4	-	1	1	Boat Launch Dock	AMS	-	MPSL-DFW	AMS	Sample from the pier at the Elkhorn Boat Launch Facility, 5827 Garden Hwy, Sacramento, CA 95837.
2	510ST1301[2]	Sacramento River at Freeport	38.45555	-121.50194	4	-	1	1	Midchannel	AMS	-	MPSL-DFW	AMS	
3	510SACC3A	Sacramento River at Hood Monitoring Station Platform	38.36771	-121.5205	4	-	-	1	Midchannel	AMS	-		AMS	Sample midchannel via boat.
4	519AMNDVY	American River at Discovery Park	38.60094	-121.5055	4	1	-	1	Midchannel	AMS	UCD-GC (SPoT)		AMS	
5	541SJC501	San Joaquin River at Airport Way near Vernalis	37.67556	-121.26417	4	-	1	1	Bank	AMS	-	MPSL-DFW	AMS	Year 1 DWR sampled from the platform at River Club; Year 2 may be at bridge.
6	~~544LSAC13~~ 544SJRNBC	San Joaquin River ~~at~~ near Buckley Cove	~~37.97183 3~~ 37.97417	~~-121.373619~~ -121.37601	4	-	1	1	Bank	AMS	-	MPSL-DFW	AMS	Year 1 sampled from bank access via

Num	CEDEN Station Code	Station Name	Latitude	Longitude	Number of sampling events per year, for each target matrix:				Take Water Sample from	Agency doing sampling for each matrix:				Notes
					Water	Sediment	Fish	Bivalves		Water	Sediment	Fish	Bivalves	
														boat or shore.
7	519DRYCRK	Dry Creek at Roseville WWTP	38.734098	-121.31444	4	1	-	-	Midchannel	AMS	AMS	-	-	Walk-in site sampled midchannel. Use pole sampler. Access from Roseville WWTP.
8	511SOL011	Old Alamo Creek at Lewis Road	38.34643	-121.89684	4	1	-	-	Bridge	AMS	AMS	-	-	Walk-in site sampled midchannel. Use pole sampler.
9	TBD	POTW Source No. 1	38.733899	-121.315051	4	-	-	-	Bank	AMS	-	-	-	
10	TBD	POTW Source No. 2	38.346617	-121.901601	4	-	-	-	Bank	AMS	-	-	-	
11	TBD	Sacramento Urban Runoff	38.601271	-121.492956	4	-	-	-	Bank	AMS	-	-	-	
12	TBD	Roseville Urban Runoff	38.80477	-121.32733	4	-	-	-	Bank	AMS	-	-	-	
		Roseville Urban Runoff (option 2)	38.802707	-121.338524										Three Roseville locations are identified in the Pilot Study Workplan as potential locations.
		Roseville Urban Runoff (option 3)	38.802599	-121.338787										

Num	CEDEN Station Code	Station Name	Latitude	Longitude	Number of sampling events per year, for each target matrix:				Take Water Sample from	Agency doing sampling for each matrix:				Notes
					Water	Sediment	Fish	Bivalves		Water	Sediment	Fish	Bivalves	
		Number of distinct sampling locations:			12	3	4	6						
		Total samples planned in Year 1:			32	3	4	6						
		Total samples planned in Year 2:			48	3	4	6						

Approval:

The amendment(s) detailed within this document shall be effective upon signature completion of all parties listed below. By signing this amendment, all parties listed below acknowledge and accept these changes. A copy of this document shall be distributed to all parties within the QAPP distribution list and shall be included and/or attached to all distributed copies of the original QAPP.

AMS Field Lead:	DocuSigned by: Paul Salop 5770F12ED7504A9... Paul Salop	Date: 6/7/2022
Delta RMP Program Manager:	DocuSigned by: Melissa Turner 9796DD915C44446... Melissa Turner	Date: 6/7/2022
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