[SUMMARY OF FINAL SUBMITTED VERSION]

PROGRESS REPORT BY PERMITTEE FOR 2020

Primary Owner: CHINO BASIN WATERMASTER
Primary Contact:

Date Submitted: 03/23/2021

Application Number: A028996
Permit Number: 020753

Source(s) of Water	POD Parcel Number	County
SAN SEVAINE CREEK		San Bernardino
SAN SEVAINE CREEK		San Bernardino
SAN SEVAINE CREEK		San Bernardino
SAN SEVAINE CREEK		San Bernardino
SAN SEVAINE CREEK		San Bernardino
SAN SEVAINE CREEK		San Bernardino
EAST ETIWANDA CREEK		San Bernardino
EAST ETIWANDA CREEK		San Bernardino
EAST ETIWANDA CREEK		San Bernardino
EAST ETIWANDA CREEK		San Bernardino
UNST		San Bernardino

MAX Direct Diversion Rate: Unknown Units
MAX Collection to Storage: 27000 AC-FT
Face Value: 27000 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Irrigation	37648		10/01 to 05/01
Industrial	0		10/01 to 05/01
Municipal	0		10/01 to 05/01

1. Compliance with Permit Terms and Conditions	
I have reviewed my water right permit and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

2. Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

3-5. Permitted Project Status	
Project Status	Not Complete
5a. Construction work has commenced	Yes

5b. Construction is completed	No
5c. Beneficial uses of water has commenced	Yes
5d. Project will be completed within the time period specified in the permit	Yes
5e. Explanation of work remaining to be done	With respect to Question 5.d, regarding beneficial use of water within CY 2020, Chino Basin Watermaster has pending before the State Water Resources Control Board Petitions for Extension of Time to make full beneficial use under Permits 198985 (A0238473) and 20753 (A028996), which would extend the time period within which to put water to beneficial use to December 31, 2057. These petitions have been publicly noticed and are awaiting action. In addition to annual operation and maintenance work at permitted diversions and storage facilities (groundwater recharge basins) and diversion points, CY 2020 work included the development of preliminary design reports, environmental documentation and final designs on nine recharge improvement projects as proposed in the 2013 Amendment to the 2010 Recharge Master Plan Update. These nine new recharge projects are, for the most part, expansions in recharge capacities at facilities. Construction of eight these recharge improvements was completed in 2020 with an estimated completion in 2022 for the remaining project. The Chino Basin Watermaster and the Inland Empire Utilities Agency updated the Recharge Master Plan in 2018 and will update every five years thereafter. Pursuant to the Recharge Master Plan, Chino Basin Watermaster and the Inland Empire Utilities Agency will subsequently construct additional recharge improvements to enhance diversion and recharge capacity within the quantities allowed under Chino Basin Watermaster's three permits.
5f. Estimated date of completion	12/31/2057

6. Purpose of Use	
Irrigation	
Municipal	860000
Stockwatering	108811 cows, 3592 other livestock
Other	Commercial Supply and Landscape

Irrigated Crops			
	Multiple Crops	**Area Irrigated (Acres)**	**Primary Irrigation Method**
Golf Course	Yes	2278	
Grapes	Yes	487	
Tree Fruit (citrus)	Yes	179	
Other: Mixed Crop types	Yes	4500	

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

7. Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount used (Acre-Feet)**

January	0	39.1	39.1
February	0	18.5	18.5
March	0	427.6	427.6
April	0	879.1	879.1
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	3.1	3.1
November	0	92.9	92.9
December	0	301.7	301.7
Total	0	1762	1762
Type of Diversion	Diversion to Storage Only		
Comments			

8. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M001468
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	Victoria Basin North Cell Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	20849
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	11/07/2017
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	06/26/2020

M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model	N/A

number	
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M001469
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	San Sevaine Cell 1 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	13249
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	05/01/2017
M8. Additional info	Transducer was replaced in September 2020.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	05/01/2019
M10. Estimated accuracy of measurement	0.1%

M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Efrain Russo
M14. Phone number	1.951.295.0775
M15. Email	e.russo@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of	Feet

measurement	
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M001470
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	San Sevaine Cell 2 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	GE Druck
M5. Serial number	N/A
M6. Model number	PTX 1830
M7. Approximate date of installation	07/01/2012
M8. Additional info	Best efforts were made to collect serial numbers, but they are not reasonably available. Transducer was replaced with a new transducer during the reporting period.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	05/01/2019
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the

	transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Efrain Russo
M14. Phone number	19512950775
M15. Email	e.russo@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly

M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M001471
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	San Sevaine Cell 3 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	GE Druck
M5. Serial number	N/A
M6. Model number	PTX 1830
M7. Approximate date of installation	07/01/2012
M8. Additional info	Best efforts were made to collect serial numbers, but they are not reasonably available. Transducer was replaced during the reporting period.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	05/01/2019
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and

	Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Efrain Russo
M14. Phone number	19512950775
M15. Email	e.russo@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.

M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M001472
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	San Sevaine Cell 5 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	31458
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	07/01/2013
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	05/01/2019
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to

	ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Efrain Russo
M14. Phone number	1.951.295.0775
M15. Email	e.russo@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or	Yes

storage data by telemetry as of the date this report is submitted	
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M001477
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	Hickory Basin West Cell Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	28224
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	05/22/2019
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	06/27/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A.

	Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this	Yes

report is submitted	
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M013941
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	Victoria South Cell Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	25578
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	08/07/2018
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	06/26/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75

	percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

diversion or storage date by telemetry to the following website	

Measurement ID number	M018452
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Transducer
M2. Nickname	Hickory East Cell Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	28223
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	05/22/2019
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	06/27/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be

	in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	. A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

telemetry to the following website	

Measurement ID number	M018470
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Jurupa Basin
M2. Nickname	Jurupa Basin
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	28144
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	05/20/2019
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	04/02/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure

	calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M023615
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	San Sevaine Cell 1 Transducer
M2. Nickname	San Sevaine Cell 1 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	31471
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	09/24/2020
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	09/24/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.

M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2322

Measurement ID number	M023616
This	Yes

Device/Method was used to measure water during the current reporting period	
M1. Briefly describe the measurement device or method	San Sevaine Cell 2 Transducer
M2. Nickname	San Sevaine Cell 2 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	31459
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	10/08/2020
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	10/08/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance	Maintenance as-needed, annual calibration

schedule for the device/method	
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement ID number	M023617
This Device/Method was used to	Yes

measure water during the current reporting period	
M1. Briefly describe the measurement device or method	San Sevaine Cell 3 Transducer
M2. Nickname	San Sevaine Cell 3 Transducer
M3. Type of device / method	Pressure transducer
M4. Device make	PMC
M5. Serial number	31351
M6. Model number	Versaline VL 4513
M7. Approximate date of installation	04/18/2020
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	04/18/2020
M10. Estimated accuracy of measurement	0.1%
M11. Description of calibration method	1. Prior to arriving on-site, notify Groundwater Recharge Operations of intent to work. 2. Check the surrounding area around the sensor for safety. The water level must be below the sensor location. 3. Remove the transducer from the case. 4. Clean the transducer, removing any debris from the head of the sensor. 5. Check the transmitter calibration method per instrument specifications and Operations and Maintenance manual. 6. Record most recent transducer reading. 7. Prepare the calibrator equipment: Meriam (Smart Manometer), pressure pump, hoses, calibrator tube, and Fluke Process calibrator (Fluke meter, with range of 4 to 20 Milliamps [mA]). 8. Inspect Moisture Protection (MP-11) unit and tubing for cracks and leaks. 9. After the sensor is clean and dry, insert the sensor in the calibrator tube. Tighten the sensor to ensure a good seal. 10. Using the chart scaled to the proper range of the instrument, pump to apply pressure to the instrument. Check the minimum pressure (zero) to check that the Fluke meter shows 4mA. 11. Check the linearity of the instrument: A. Increase pressure to 25 percent of the range of the instrument and check that the Fluke meter shows 8 mA. B. Increase pressure to 50 percent of the range of the instrument and check that the Fluke meter shows 12mA. C. Increase pressure to 75 percent of the range of the instrument and check that the Fluke meter shows 16mA. D. Increase pressure to the maximum pressure range (using the chart referenced above). The Fluke meter should show 20mA, which is the maximum reading of the instrument. 12. Verify that the instrument is in good condition. For the instrument to be in good condition, it must: A. Be in an acceptable accuracy range (minimum deviation according to manufacturers). B. Respond quickly to any variation on the pressure calibrator. C. Show the indicated mAs on the Fluke meter. 13. Prior to leaving site, request an operational test of the equipment on which maintenance was performed. 14. Confirm that no active alarms exist prior to leaving the site.
M12. Describe the maintenance schedule for the device/method	Maintenance as-needed, annual calibration
Information for the person who last calibrated the device or designed the measurement method	

M13. Name	James McShane
M14. Phone number	19095365699
M15. Email	jmcshane@ieua.org
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	A person trained to operate and maintain water measurement devices, supervised by Randy Lee, a California-registered Professional Engineer (License #68573), and the Executive Manager of Operations and Maintenance for the Inland Empire Utilities Agency
M18. Type of data recorder device / method	Other: Supervisory control and data acquisition (SCADA) system
M19. Data recorder device make	N/A
M20. Data recorder serial number	N/A
M21. Data recorder model number	N/A
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	Transducer's digital data is transmitted to a programmable logic controller (PLC), which relays the data via radio to a computer that stores the information. This is facilitated by the SCADA system.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2324

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
No attachments			

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
No data files			

9. Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
January	6
February	5.60
March	71.10
April	144.40
May	3.20
June	0
July	0
August	0
September	0
October	0.10
November	27
December	118

10.Water Transfers	
10a. Water transfered	No
10b. Quantity transfered (Acre-Feet)	
10c. Dates which transfer occurred	/ to /
10d. Transfer approved by	

Water Supply Contracts	
10e. Water supply contract	No
10f. Contract with	
10g. Other provider	
10h. Contract number	
10i. Source from which contract water was diverted	
10j. Point of diversion same as identified water right	
10k. Amount (Acre-Feet) authorized to divert under this contract	
10l. Amount (Acre-Feet) authorized to be diverted in 2020	
10m. Amount (Acre-Feet) projected for 2021	
10n. Exchange or settlement of prior rights	
10o. All monthly reported diversion claimed under the prior rights	
10p. Amount (Acre-Feet) of reported diversion solely under contract	

11. Storage					
Reservoir name	**Spilled this year**	**Feet below spillway at maximum storage**	**Completely emptied**	**Feet below spillway at minimum storage**	**Method used to measure water level**
Chino Groundwater Basin	No	0	No	0	Regional Groundwater Level Monitoring Network

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	Yes	Yes	No
January			
February			
March			
April			

May			
June			
July			
August			
September			
October			
November			
December			

Conservation Supporting Information	
Description of conservation methods The over 200 Appropriative, Non-Agricultural and Agricultural Chino Basin groundwater producers have instituted many water conservation measures, ranging from recycled water use to public education.	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	No

Additional Remarks
The Chino Basin Watermaster holds three permitted rights for diversion and recharge of stormwater within the Santa Ana River Watershed. Permit 19895 covers the Day Creek Project Facilities and allows the diversion of 15,000 acre-feet annually, from November 1 through April 30 of the succeeding year, to underground storage through recharge basins and spreading grounds along Day Creek. Permit 20753 covers the East Etiwanda Creek and San Sevaine Creek Facilities and allows the diversion of 27,000 acre-feet annually, from October 1 through May 1 of the succeeding year, to underground storage through recharge basins and spreading grounds along East Etiwanda and San Sevaine Creeks. Permit 21225 allows the annual diversion of 68,500 acre-feet, from January 1 to December 31, to underground storage through recharge basins and spreading grounds along Deer, Day, Etiwanda, San Sevaine, Chino, San Antonio, and Cucamonga Creeks. (For clarity, the notice listed Deer Creek as being in Riverside County, but it is located entirely within San Bernardino County.) Some facilities covered under Permits 19895 and 20753 are permitted for additional recharge under Permit 21225. Chino Basin Watermaster conjunctively manages spreading ground and basin recharge pursuant to the three permits and believes the permits are best managed conjunctively. However, as of CY 2018, the amount diverted under each permit is reported separately under each respective Progress Report of Permittee. While several phases of groundwater recharge facility construction have been completed, pursuant to these three permits, the Chino Basin Stakeholders continue to implement additional improvements contemplated in the Recharge Master Plan and Optimum Basin Management Program. Furthermore, since precipitation within the Chino Basin watershed is both flashy and subject to extreme variations in annual rainfall volumes (droughty), it is anticipated that diversion to storage may also vary dramatically and infrequently reach full permitted volumes. Pursuant to Permit 21225, Watermaster has through the year 2057 to make full beneficial use of the allowed storage volume, and similar time extensions are currently pending for permits 19895 and 20753, to facilitate conjunctive implementation and operation of the diversion and recharge basin and spreading ground network. With respect to Question 6 (Purpose of Use), animal count figures are from the Santa Ana Regional Water Quality Control Board. With respect to Question 7, Watermaster's permits allow use for Industrial, Irrigation and Municipal purposes (and, in the case of Permit 21225, Stockwatering). During the calendar year, the total volume of groundwater extracted from the Chino Basin was approximately 156,345 acre-feet: including 99,180 acre-feet for municipal (Appropriators) use, 15,208 acre-feet for Agricultural (Crops and Stockwatering/Dairy), 39,609 acre-feet by Chino Basin Desalter Authority (30,246 acre-feet of which was made available for municipal use), 2,347 acre-feet for Non-Agricultural Overlying (Industrial) use and 4 acre-feet for energy production. With respect to Question 9, the daily volume of water diverted at each facility was measured using pressure transducers and physical configurations, converted into an average 24-hour flow rate, summed, and the maximum for each month reported. With respect to Question 14, during the calendar year, the Chino Desalters extracted 39,609 acre-feet of contaminated stored groundwater (degraded by TDS, nitrate, and TCE), producing 30,246 acre-feet of (reclaimed) product water. Additionally, 55,773 acre-feet of reclaimed (recycled) water were used of which 16,018 acre-feet were recharged and 18,241 acre-feet were directly used.

Attachments		
File Name	**Description**	**Size**

GWR Basin Hourly Levels 2020_20753.xlsx	Hourly WLs at Basins	1 MB
DFG_Stormwater_Compliance_FY2020_FINAL.pdf	Chino Basin Annual Streamflows Diversion Report	2 MB
EAS - 20753.zip	Elevation-Area-Storage Curves for Basins	883 KB

Contact Information of the Person Submitting the Form	
First Name	Edgar
Last Name	Tellez Foster
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Edgar Tellez Foster
Date of Signature	03/23/2021