



**SAN SEVAINE IMPROVEMENTS PROJECT
PROJECT NO. EN13001
STATUS UPDATE: OCTOBER 10, 2022**

As part of the 2013 Amendment to the 2010 Recharge Master Plan Update (RMPU), this Project will evaluate, design, and construct basin improvements needed to maximize infiltration and recharge capture at the San Sevaire Basins. The final recommendation from the preliminary development report proposes to implement: (1) a new stormwater / recycled water pump station in Basin 5, (2) directly tying it into an existing RW pipeline, (3) place new pipelines and headwalls into Basins 1, 2, and 3, and (4) install monitoring wells and lysimeters. The proposed improvements will add 642 acre-feet per year of stormwater and 4,100 acre-feet per year of recycled water for groundwater recharge.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$6,460,000	\$6,253,333

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Pre-design	10/01/12	05/14/15	Completed	\$160,000	\$159,898
Environmental Impact	06/26/13	01/20/16	Completed	\$30,000	\$24,283
Design	05/15/15	12/12/16	Completed	\$500,000	\$555,899
Permits	05/15/13	01/31/18	Completed	\$25,000	\$25,000
Bid and Award	12/13/16	09/20/17	Completed	\$5,000	\$5,000
Construction	09/21/17	01/31/19	Completed	\$5,740,000	\$5,483,253
Minor Task/Warranty	02/02/19	Pending	In-Progress		
				\$6,460,000	\$6,253,333

Grant/Loan Update:

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation. Awarded Clean Water State Revolving Fund (SRF) for the construction of the project. This awarded financing includes a \$2.5 million forgiveness grant against the principal.

Cost Sharing Document:

- Task Order No. 8 of the Master Agreement of 2014 (August 2014)
- 1st Amendment Task Order No. 8 of the Master Agreement of 2014 (April 2015)
- 2nd Amendment Task Order No. 8 of the Master Agreement of 2014 (May 2017)

Project Update:

- All major construction activities were completed on January 31, 2019.
- No further updates since previously reported.
- The project is completed under budget by nearly \$200,000



**POST 2014 STORMWATER RECHARGE PROGRAM
PROJECT NOS. RW15003.00/.01/.02/.03/.04/.05/.06 & RW15004.00
STATUS UPDATE: OCTOBER 10, 2022**

“Post 2014 Stormwater Recharge Program” recommended for final design, bid and construction:

PID	Basin Projects	Post 2014 Stormwater Recharge Program ⁽²⁾	Initial Yield		Updated Yield ⁽¹⁾	
			SW	RW	SW	RW
			acre-feet per year			
12	Lower Day Basin	Increase stormwater diversion and basin storage	789	-	993	-
11	Victoria Basin	Improve the infiltration rate and increase storage by removing settled deposits	43	120	75	120
2	Montclair Basins	Increase storage and recharge capacity by directing more channel flow	248	-	96	-
18a	CSI Basin ⁽³⁾	New storage and recharge facility by deepening basin	81	-	-	-
23a	Wineville, Jurupa, RP3 & Force Main	Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures	3,166	2,905	2,921	2,905
Total			4,327	3,025	4,085	3,025

- (1) Updated to reflect new values as calculated after the completion of the PDR.
- (2) San Sevaine Basin Improvement project is a part of the “Post 2014 Stormwater Recharge Program” but it is not listed here for it has its own status update sheet.
- (3) 18a (CSI) removed from the list of ongoing RMPU projects. Yield value of 100 AFY is removed.

Project Budget:

Project Budget
\$31,829,520

Actual Cost to Date
\$18,461,844

	RMPU Projects	Total Project Cost	Actual Cost (to date)	
Ongoing Projects	Lower Day Basin (PID 12)	\$4,008,000	\$3,995,080	
	Victoria Basin (PID 11)	\$176,072	\$176,072	
	Montclair Basins (PID 2)	\$1,788,100	\$371,927	
	RP-3 Basin ⁽⁴⁾	(23a)	\$1,819,300	\$1,669,300
	Wineville Basin ⁽⁴⁾		\$23,477,040	\$11,688,457
	Jurupa Basin ⁽⁴⁾			
	Wineville/Jurupa Force Main ⁽⁴⁾			
Deferred Projects	East Declaz (Non RMPU Project)	\$114,000	\$114,000	
	Declaz Basin (PID 27)	\$105,000	\$105,000	
	Turner Basin (PID 14)	\$42,000	\$42,000	
	Ely Basin (PID 15a)	\$236,000	\$236,000	
	CSI Basin (PID 18a)	\$64,008	\$64,008	
Total		\$31,829,520	\$18,461,844	

Cost Sharing Documents:

Lower Day Basin – PID 12 (Task Order No. 2)	
Watermaster's Share	\$2,883,000
IEUA's Share	\$0
Grant Funding	\$1,125,000
Sub-Total	\$4,008,000
Victoria Basin – PID 11 (Task Order No. 10)⁽⁵⁾	
Watermaster's Share	\$88,036
IEUA's Share	\$88,036
Sub-Total	\$176,072
Montclair Basin – PID 2 (Task Order No. 11)	
Watermaster's Share	\$1,788,100
IEUA's Share	\$0
Sub-Total	\$1,788,100
Wineville/Jurupa/RP3/Force Main – PID 23a (Task Order No. 9)⁽⁶⁾	
Watermaster's Share	\$14,102,916
IEUA's Share	\$360,043
Grants	\$10,833,381
Sub-Total	\$25,296,340
East Declz/Declz – PID 27 /Turner – PID 27/Ely PID – 15a (Task Order No.1)	
Watermaster's Share	\$497,000
IEUA's Share	\$0
Sub-Total	\$497,000
CSI Basin (Task Order 12)	
Watermaster's Share	\$64,008
IEUA's Share	\$0
Sub-Total	\$64,008
Total	\$28,573,432

(4) Task Order No. 9 amended in May/June 2021 to reflect current project cost.

(5) Amending TO 10 to reflect the total project cost from the projected cost of \$168,800 to the final cost of \$176,072.

(6) Includes RP-3, Wineville, Jurupa, and Wineville-Jurupa Force Main's total projected costs. Task Order Amendment 2 in Aug/Sep 2022 to reflect revised total project budget due to additional construction cost.

Grant/Loan Update:

RMPU Projects	Total Project Cost	Funding Program	Grant Amount
Lower Day Basin (PID 12)	\$4,008,000	Grant Prop. 84 DWR/SAWPA	\$750,000
		USBR	\$375,000
Victoria Basin (PID 11)	\$168,800	-none-	
Montclair Basins (PID 2)	\$1,788,100	SRF Loan	
RP-3 Basin ⁽⁷⁾	\$1,819,300	SWRCB – Stormwater	\$809,214
		USBR	\$290,000
Wineville/Jurupa /Force Main ⁽⁷⁾	\$20,220,952	SWRCB – Stormwater	\$8,994,167
		2018 Water Smart Drought	\$740,000
Total	\$28,005,153		\$11,958,381

(7) Task Order No. 9 amended in May/June 2021 to reflect added grants.

Project Update:

The following are updates to each of the on-going RMPU projects:

- a) **Victoria Basin** – Project completed.

- b) **Wineville/Jurupa Storm Water Distribution Pipeline** –

Since the previous progress report, the new Pump Station's wet well walls at the Wineville Basin area continues to be formed in preparation of the concrete pour for the wet well foundation and walls. The full height of the pump station's wet well was completed in July. Backfilling the structure was fully completed in August to the finish grade.

In parallel, construction work started within the Wineville Basin for the new forebay area of the inlet side of the pump station. The construction activities within basin consist of the following: an inlet structure for the pump station, the 60-inch pipe, the inlet structure for the forebay berm, and the new concrete spillway over the forebay berm. By August 8th, MNR completed the 60-inch inlet structure within Wineville Basin's new forebay area.

Between July and August, MNR, also began construction of the new 30-inch pipeline along Jurupa Street in Fontana on Station 46+00. By the end of September, MNR was able reach Station 51+00. During the work within these two stations, changes were made to the pipeline alignment and traffic control plans to address trenching concerns.

During this period, IEUA was in discussions with MNR regarding additional scope to address major pipeline realignment because of the discovery of more buried utilities than were noted in the construction plans. IEUA anticipates the changes will require an increase in the total project budget and extension to the project schedule. The total project budget was increased through the approval of the Second Amendment of Task Order No. 9.

Major construction of the Wineville/Jurupa/Distribution System is approximately 52% complete. MNR has invoiced the project at 52%. MNR is approximately 52% into the construction schedule.

- c) **Montclair Basin** – Continuing to address the extended wait for a permit with US Army Corps. The Corps recently requested and received an additional permit application for the project to cover the Section 404 requirements. This additional permitting document will further delay the project construction bidding (see updated project schedule in the scheduling tables).

- d) **Lower Day Basin** – Construction is substantially complete. The project is finishing check list and final systems test.

e) **RP-3 Basin Improvement** –

- a) Demo work completed.
- b) Excavation completed.
- c) Construction of the Diversion Structure is ongoing. On July 20th, the concrete pour began for the new diversion structure. By August 4th, the new pipeline from the diversion structure and the outlet structure in the new recharge basin also began installation. By the start of September, the Contractor, Metro, completed most of the construction of the new diversion structure and the new pipeline into the new recharge basin. Also during the month of September, the Contractor placed the new control gates and continued with the electrical connections for the gates and new level sensor. The construction work with Metro encountered two major delays due to the following additional scope:
 - Relocating a recycled water pipeline that conflicted with the new improvement project.
 - Removing an unforeseen concrete encasement over the existing stormwater line which the new diversion structure was to be constructed over.

IEUA amended Metro’s scope and contract to address these two unforeseen field conditions.

Project Status with Metro Builders: Construction of the RP-3 Improvements is approximately 86% completed. Metro has invoiced the project at 85%. The contractor is approximately 90% into the construction schedule.

Wineville/Jurupa/Force main (PID 23a):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/12/21	Completed
Design	12/18/14	02/28/20	Completed
Bid and Award	01/12/21	06/16/21	Completed
Construction	06/16/21	08/31/23	In Progress

Montclair Basin (PID 2):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/12/22	In Progress
Design	12/18/14	02/28/20	Completed
Bid and Award	12/13/22	02/24/23	Not Started
Construction	02/25/23	02/30/24	Not Started

Lower Day (PID 12):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	07/19/19	Completed
Design	12/18/14	07/19/19	Completed
Bid and Award	07/19/19	12/11/19	Completed
Construction/Close Out	12/11/19	11/30/22	In Progress

RP-3 Basin (PID 23a):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/09/18	Completed
Design	12/18/14	12/14/17	Completed
Bid and Award	01/10/18	06/20/18	Completed
Construction	06/21/18	11/30/22	In Progress



Wineville/Jurupa Storm Water Distribution Pipeline
(Pipeline Construction on Jurupa Street)



Wineville/Jurupa Storm Water Distribution Pipeline
(Continued Construction Along Jurupa Street)



Wineville/Jurupa Storm Water Distribution Pipeline
(Wet Well Construction Reaching Top of Grade)



Wineville/Jurupa Storm Water Distribution Pipeline
(Construction of the Inlet Structure for the Forebay in Wineville Basin)



RP3 Basin Improvement
(Construction of Foundation for the Diversion Structure at RP3)



RP3 Basin Improvement
(Construction of New Diversion Structure at RP3)