**TURNER BASIN IMPROVEMENTS**
**PROJECT NO. WR11017.00**
**STATUS UPDATE: OCTOBER 29, 2014**

The project involves grading and hauling activities and the design and installation of new pipes, gates, and controls for two new recharge basins east of Turner Basin No. 4. This project also connects an existing flood control retention facility, Basin No. 5, to capture additional stormwater and recycled water for groundwater recharge by constructing new stormwater piping from Deer Creek Channel into Basin No. 8 which feeds into Basin No. 5. This will allow the Turner Basin site to receive and capture channel flow further upstream and increase recharge potential. The goal of the project is to bring in an additional 600 acre-feet of annual recharge through stormwater and recycled water.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $1,275,000 | $1,254,029 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 03/01/11 | 02/22/12 | Completed | $32,622 | $35,380 |
| Pre-design | 02/22/12 | 04/01/12 | Completed | $13,419 | $75,548 |
| Environmental Impact | 03/01/11 | 12/20/12 | Completed | $72,892 | $74,197 |
| Design | 04/02/12 | 02/22/13 | Completed | $120,772 | $122,203 |
| Permits | 03/30/12 | 12/20/12 | Completed | $9,927 | $9,927 |
| Bid and Award | 12/21/12 | 02/20/13 | Completed | $2,736 | $2,747 |
| Construction | 02/20/13 | 02/27/15 | In Progress | $1,022,632 | $934,027 |
| | | | | $1,275,000 | $1,254,029 |

This project is partially funded by the Bureau of Reclamation with a grant of $406,712.

**Cost Sharing Document**: 2014 Amendment to the Turner/Gausti Cost Sharing Agreement 2012

**Project Update:**

The dirt hauling and grading activities are the remaining tasks under this project. Currently GRB Engineering is placing all required BMPs for stormwater pollution prevention. They are scheduled to complete excavation by December 20 and finalize material processing and removal by February 27, 2015.

**Project Photos:**

Completed junction structure

Completed valve and structure


Completed new south basin

New north basin – grading/hauling in progress

**WINEVILLE PROOF OF CONCEPT**
**PROJECT NO. EN13031.00**
**STATUS UPDATE: OCTOBER 29, 2014**

The Wineville Basin Proof of Concept Project (POC) was developed to provide information and data to determine the likely benefit if the basins were improved to facilitate artificial groundwater recharge. The primary objectives of the POC were to measure basin infiltration rates and use those rates to estimate the likely annual recharge capacity of the basin. The investigative project consisted of six cells designed to test and evaluates infiltration rates at strategic locations throughout the Basin. Each of the test cells were 0.5 acres in size and excavated at different depths to gather percolation data for soils above and below identified clay layer. The study was completed in April 2014 and concluded that the basin presents an opportunity for groundwater recharge.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $424,300 | $362,745 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Design | 01/11/13 | 04/30/14 | Completed | $22,000 | $22,000 |
| Weeding | 09/01/13 | 09/30/13 | Completed | $28,000 | $28,000 |
| Permits | 04/24/13 | 01/17/14 | Completed | $2,200 | $2,200 |
| Environmental Assist. | 03/01/13 | 11/30/13 | Completed | $22,600 | $18,800 |
| Survey | 09/01/13 | 11/30/13 | Completed | $21,000 | $11,767 |
| Construction | 06/19/13 | 04/30/14 | Completed | $208,000 | $208,000 |
| Extra Equipment | 10/01/13 | 11/30/13 | Completed | $7,500 | $7,500 |
| Ontario Pump Costs | 10/01/13 | 11/30/13 | Completed | $19,967 | $19,967 |
| CM/Testing Support | 09/01/13 | 04/30/14 | Completed | $50,000 | $44,511 |
| Contingency | | | | $43,033 | |
| | | | | $424,300 | $362,745 |

**Cost Sharing Document**: Task Order No. 6 of the Master Agreement of 2014

**Project Update:**

This project is completed. IEUA staff is processing a final fee for the SWRCB construction stormwater permit.

**Final Project Data:**

Table 1 - Projected Basin Performance Summary in Acre-Feet per Year (AFY)

| Scenario | Infiltration Rate | Stormwater Recharge | Supplemental Water Recharge | Total Annual Recharge |
|---|---|---|---|---|
| No. 1 | 0.13 ft./day | 820 AFY | 940 AFY | 1,760 AFY |
| No. 2 | 0.24 ft./day | 2,080 AFY | 1,750 AFY | 3,830 AFY |

Figure 1- Image the of the temporary infiltration test cells constructed at Wineville

# JURUPA PUMP STATION HVAC IMPROVEMENTS
# PROJECT NO. EN14040
# STATUS UPDATE: OCTOBER 29, 2014

The Jurupa Pump Station (PS) is a key recharge facility that directly conveys storm water runoff, local runoff, imported and recycled water to Cell 1A at the RP-3 Basin. The PS is located on the north-east corner of Jurupa Basin which acts as a pass through basin for flows intercepted at the nearby San Sevaine Channel. The PS' electrical equipment, such as the motor control center, variable frequency drives (VFDs) and communication equipment, is critical to the operation of the pump station. With high temperatures experienced at the PS, vital controls and switches have been experiencing temperature related failures and shutdowns. The HVAC improvements will address these critical failures by installing a permanent air conditioning system, roof thermal insulation, controls, etc. for the electrical equipment at the Jurupa PS.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $300,000 | $77,474 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 09/02/13 | 10/30/13 | Completed | $3,000 | $3,031 |
| Pre-design | 10/31/13 | 03/03/14 | Completed | $5,000 | $2,731 |
| Proposal | 03/04/14 | 05/14/14 | Completed | $12,000 | $7,257 |
| Design/Build | 05/14/14 | 10/06/14 | Completed | $186,000 | $64,455 |
| | | | | $206,000 | $77,474 |

**Cost Sharing Document**: Task Order No. 5 of the Master Agreement of 2014

**Project Update:**

This project is completed.

**Project Photos:**

Existing MCC control panel

Existing pumping system

Installed AC unit

Installed ceiling insulation and AC air ducting

**SAN SEVAINE IMPROVEMENTS PROJECT**
**PROJECT NO. EN13001**
**STATUS UPDATE: OCTOBER 29, 2014**

San Sevaine basins consist of five, soft-bottomed basins along the San Sevaine Channel. The basins encompass approximately 93 acres with the potential to recharge up to 8,500 acre-feet per year (AFY) of recycled water (RW), storm water (SW) and imported water. The basins currently operate by delivering most flow to Basin No. 5, which has the lowest infiltration rate as compared to the other basins. This has limited current recharge to approximately 500 AFY.

As part of the 2013 Amendment to the 2010 Recharge Master Plan Update, this Project will evaluate, design and construct basin improvements needed to maximize infiltration and recharge capture at the San Sevaine Basins. Depending upon the final recommendation from the preliminary development report, either one or more of the following designs may be implemented as part of construction: (1) a new stormwater/recycled water pump station and pipeline, (2) extend the existing RW pipeline, (3) re-grade and deepen basin, (4) construct internal berms.

**Schedule:**

| | Project Budget $3,550,000* | | | Actual Cost to Date $107,565 | |
|---|---|---|---|---|---|
| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
| Pre-design | 10/01/12 | 12/18/14 | In Progress | $252,300 | $89,153 |
| Environmental Impact | 09/24/14 | 04/08/15 | In Progress | $32,200 | $0 |
| Design | 02/19/15 | 08/24/15 | Not Started | $216,200 | $0 |
| Permits | 09/24/14A | 03/01/16 | In Progress | $107,300 | $18,412 |
| Bid and Award | 09/08/15 | 11/23/15 | Not Started | $11,600 | $0 |
| Construction | 03/01/16 | 06/07/17 | Not Started | $2,930,400 | $0 |
| | | | | $3,550,000 | $107,565 |

*The project budget was in the July 2014 status update amended from $2.5 Million to match the projected budget within the approved 2013 Recharge Master Plan Update.

The project was approved for a $750,000 grant from the Department of Water Resources through the Santa Ana Watershed Project authority as part of Proposition 84.

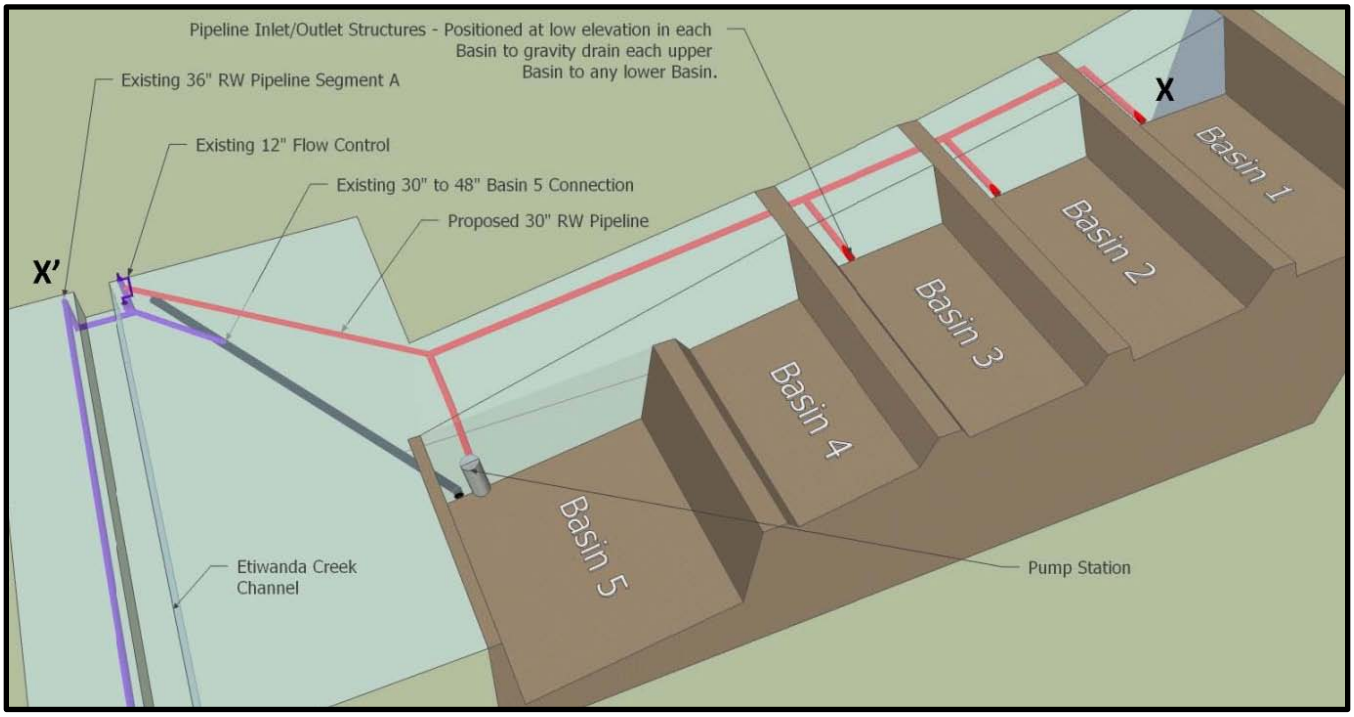
**Cost Sharing Document**: Task Order No. 8 of the Master Agreement of 2014

**Project Update:**

The completed preliminary design report recommended to construct a stormwater pump station within Basin 5 and to extend the existing RW pipeline to Basins 1, 2, and 3. This option is expected to provide 4,000 to 8,100 AFY of recycled water and 642 AFY of stormwater at a revised capital cost of $6,720,000. The original project scope was to pump storm water to just Basin 3 and investigate and potentially either make some modifications to Basin 5 to increase the infiltration potential or run RW piping to Basin 3. Preliminary results of the geotechnical investigation indicate that it is not cost effective to make modifications to Basin 5.

The PDR recommendation will increase the project scope and budget which will be presented for discussion during November's Joint Recharge Committee Meeting.

**Conceptual Design:**




Isometric View of the Recommended Basin Improvement
Pump Station in Basin 5 and Extension of the Recycled Water Pipeline to Basins 1, 2, and 3

**GWR SCADA UPGRADES**
**PROJECT NO. EN14047**
**STATUS UPDATE: OCTOBER 29, 2014**

The Inland Empire Utilities Agency's existing Supervisory Control & Data Acquisition (SCADA) system is comprised of a wide range of equipment that is located at various remote sites and facilities throughout the IEUA's RW and GWR facilities. During the master planning process, a thorough and comprehensive review and evaluation of the recycled water and groundwater recharge SCADA system was conducted. The Master Plan recommended SCADA upgrades to the RW and GWR SCADA systems. The purpose of these upgrades will provide the foundation of a robust, reliable and seamless control system that will sustain and support the continued growth of the RW and GWR programs.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $892,000 | $37,479 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 11/11/11 | 02/24/14 | Completed | $927 | $422 |
| Design | 02/26/14 | 01/22/15 | In Progress | $129,900 | $37,057 |
| Permits | 09/12/14 | 01/22/15 | In Progress | $10,000 | $0 |
| Bid and Award | 01/23/15 | 03/15/15 | Not Started | $428 | $0 |
| Construction | 03/15/15 | 04/16/16 | Not Started | $750,745 | $0 |
| | | | | $892,000 | $37,479 |

This project qualified for a $139,650 grant and a 1% interest 30-year loan at $740,145 from the Santa Ana Project Water Authority and Clean Water State Revolving Fund loan program respectively.

**Cost Sharing Document**: Task Order No. 4 of the Master Agreement of 2014

**Project Update:**

The design consultant, MSO Technologies, is scheduled to finalize all design by January 22, 2015. Following design will be the bidding phase, and construction to upgrade the initial five GWR sites is scheduled for March 2015.

**Project Photo:**

San Sevaine turnout control panel

**COMMUNICATION UPGRADES**
**PROJECT NO. EN12019**
**STATUS UPDATE: OCTOBER 29, 2014**

This project will transition the communication equipment within the remote GWR and RW sites (totaling over 20 sites) onto the new, faster and more reliable communication network. The upgrade will replace the radio equipment for each site and add several new communication towers to send all communication onto the Agency's new 18GHz Motorola network back-haul. The Communication System Upgrades anticipates all remote sites to be upgraded for integration with the new communication network, and seven monopoles necessary to improve the line-of-sight communication. After the completion of a predesign study, which will determine the required location and number of towers, the project will move forward with a design/build approach in implementing the communication upgrades.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $1,245,000 | $171,674 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 11/11/11 | 01/17/14 | Completed | $5,771 | $5,000 |
| Pre-Design | 01/20/14 | 11/27/14 | In Progress | $130,000 | $129,410 |
| RFP/Solicitation | 11/30/15 | 02/18/15 | In Progress | $44,000 | $37,264 |
| Design/Construction | 02/19/15 | 08/31/15 | Not Started | $1,065,229 | $0 |
| | | | | $1,245,000 | $171,674 |

This project qualified for a $192,850 grant and a 1% interest 30-year loan at $1,022,105 from the Clean Water State Revolving Fund loan program, as part of the Proposition 50 grant program, and a Department of Water Resources Proposition 84 grant program through Santa Ana Project Water Authority.

**Cost Sharing Document**: Task Order No. 3 of the Master Agreement of 2014

**Project Update:**

By February 2015, staff will contract the Design/Build services to a qualified communication contractor. Currently staff is finalizing the scope to replace the communication system at all GWR sites without the addition of new communication towers. The sites that required towers will be addressed as part of the RMPU or later projects.

The following table summarizes Dahl's findings:

| Site | Remote Site | Distance | Tower Height (Feet) | Antenna Height |
|---|---|---|---|---|
| 8th Street Basin | 6-B | 6.3 miles | Existing 55' | 40' or above |
| Brooks Street Basin | 6-B | 10.8 miles | Existing 55' | 55' |
| CB-11 MWD Turnout | 6-B | 1.6 miles | No tower (Need at least 45') | 40' or above |
| CB-14 MWD Turnout | 6-B | 3.8 miles | No tower (Need at least 25') | 20' or above |
| CB-15 MWD Turnout | 6-B | 2.5 miles | No tower (Need at least 20') | 15' or above |
| CB-18 MWD Turnout | 6-B | 5.2 miles | No tower (Need at least 35') | 30' or above |
| CB-20 MWD Turnout | 6-B | 4.8 miles | Need 10' extension on 25' square monopole or new 35' tower | 30' or above |
| College Heights | CCWRF | 8.2 miles | Exitsing 55' | 40' or above |
| Declez Basin | 6-B | 10.2 miles | Existing 55' | 40' or above |
| Ely 3 Basin | RP-1 | 0.5 miles | Existing 55' | 15' or above |
| Grove Basin | 6-B | 10.8 miles | Existing 55' | 40' or above |
| Hickory Basin | 6-B | 6.1 miles | Existing 55' | 40' or above |
| Hickory FMM Turnout | RP-4 | 1.3 miles | Existing 55' | 40' or above |
| Jurupa Basin | 6-B | 8.8 miles | Existing 55' | 40' or above |
| Lower Day Basin | 6-B | 2.9 miles | Existing 55' | 15' or above |
| Montclair Basin | CCWRF | 7.3 miles | Existing 55' | 40' or above |
| Orchard RW Turnout | 6-B | 10.2 miles | No tower (Need at least 20') | 15' or above |
| RP-3 | 6-B | 10.4 miles | Existing 55' | 40' or above |
| San Sevaine 5RW Turnout | 6-B | 4.5 miles | Existing 55' | 40' or above |
| San Sevaine Basin 5 | 6-B | 4.6 miles | No tower (25' lamp post or new 25' tower) | 25' or above |
| Turner Basin 1 | 6-B | 6.4 miles | Existing 55' | 40' or above |
| Turner Basin 4 | 6-B | 6.4 miles | Existing 55' | 50' or above |
| Upland Basin | CCWRF | 8.0 miles | No tower (Need at least 45') | 40' or above |
| Victoria Basin | 6-B | 4.7 miles | Existing 55' | 40' or above |
| Wineville Basin | 6-B | 8.8 miles | No tower (Need at least 45') | 40' or above |

Sites that need attention

**CB20 NOISE MITIGATION**
**PROJECT NO. EN14038**
**STATUS UPDATE: OCTOBER 29, 2014**

In 2010, a recharge basin turnout structure was constructed within the Metropolitan Water District's right-of-way in the residential area of the City of Upland. The turnout was to provide immediate access to available raw water for the purpose of groundwater storage. The Noise Mitigation Project is to reduce the impact of operating noise to the surrounding residences. Current sound studies reveal the facility generates noise levels above the allowable limits permitted by Upland's Ordinances. As a public service effort, IEUA and Chino Basin Watermaster initiated a capital project to design and build a sound enclosure by a qualified sound specialist. The objective is to maintain compliance with City Ordinance and reduce the impact of noise to nearby residents.

**Schedule**:

| Project Budget | Actual Cost to Date |
|---|---|
| $160,000 | $28,865 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 09/25/13 | 01/23/14 | Completed | $200 | $182 |
| Design | 01/24/14 | 11/26/14 | In Progress | $29,000 | $28,683 |
| Construction | 11/30/14 | 02/19/15 | Not Started | $130,800 | $0 |
| | | | | $160,00 | $28,865 |

**Cost Sharing Document**: CBFIP, Phase II Cost Sharing Agreement of 2006

**Project Update:**

C.E. Pickup finalized the structural details last month and a final design package for review is scheduled for November 24.

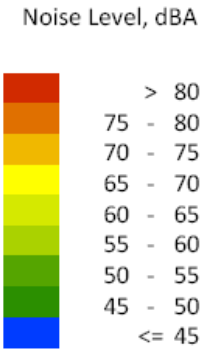
Unfortunately, the schedule to fabricate the required material will extend the final completion date to mid-February 2015 because of a large backlog with the sound wall fabricator. The factory relocated to Lincoln, NE from its old location in the Bronx where it had been for 40 years. This has created a delay in their fabricating process. A typical 4 week timeframe for delivery is now at 12 weeks.

Staff is working with CE Pickup to find ways to reduce this delay.

Estimated noise level at 1st level
without mitigation

Estimated noise level at 1st level
with mitigation

Estimated noise level at 2nd level
with mitigation



**HICKORY BASIN ARIZONA CROSSING**
**PROJECT NO. EN12025**
**STATUS UPDATE: OCTOBER 29, 2014**

The Hickory Basin Arizona Crossing Project designed and constructed a new soil cement access road and culvert over the inlet channel at the Hickory Basin. The purpose of the access road was to provide immediate maintenance and operational access for IEUA and San Bernardino Flood Control District (SBCFCD) personnel to the north area of the Basin without interrupting recharge or storm water detention operations. The goal of the project is to minimize maintenance costs and mitigate recharge interruptions due to basin dewatering when accessing critical pumping equipment for routine or emergency maintenance. Secondly, the access crossing was also a required condition with the Flood Control as part of a maintenance agreement to utilize the basin for continuous recharge. This project was a part of the Chino Basin Facilities Improvement Program, Phase II, which was deferred due to Flood Control permitting approvals. In January 2012, the project re-commenced bidding after receiving full permitting documents from the District.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $332,971 | $220,417 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Design | 10/01/11 | 12/31/11 | Completed | $7,200 | $7,200 |
| Permits | 10/01/11 | 01/12/12 | Completed | $2,000 | $1,518 |
| Bid and Award | 01/12/12 | 03/21/12 | Completed | $1,200 | $307 |
| Construction | 03/22/12 | 04/17/11 | Completed | $222,571 | $211,392 |
| Added Contingencies | | | | $100,000 | |
| | | | | $332,971 | $220,417 |

The added contingency was included into the project towards the later phase of construction to address potential change orders with the General Contractor.

**Cost Sharing Document**: CBFIP, Phase II Cost Sharing Agreement of 2006

**Project Update:**

In mid-September IEUA legal counsel informed staff that a settlement agreement was reached with Kaveh Engineering. The settlement was for $55,000 which will be charged against the project. As soon as the cost is finalized, IEUA will coordinate with CBWM on addressing the reimbursement billing.

**Project Photo:**

Completed access road leading to the north side of Hickory Basin

Completed Arizona Crossing which spans the inlet channel

**UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN**
**PROJECT NO. RW15002**
**STATUS UPDATE: OCTOBER 29, 2014**

The purpose of the Habitat Conservation Plan is to investigate and develop a plan to offset the biological impact of future water and recharge improvement projects in the Chino Basin area that have the potential to affect federally-listed endangered, threatened or special status species. This project will be a part of a regional plan with other proposed projects within the Upper Santa Ana River Region. The goal of the project is to identify in advance sites that may require biological offset/mitigation and avoid permitting delays on future RMPU projects or other identified recharge improvement projects.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $160,000 | $0 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Investigate/Plan | 07/01/14 | 06/30/17 | In Progress | $160,000 | $0 |
| | | | | $160,000 | $0 |

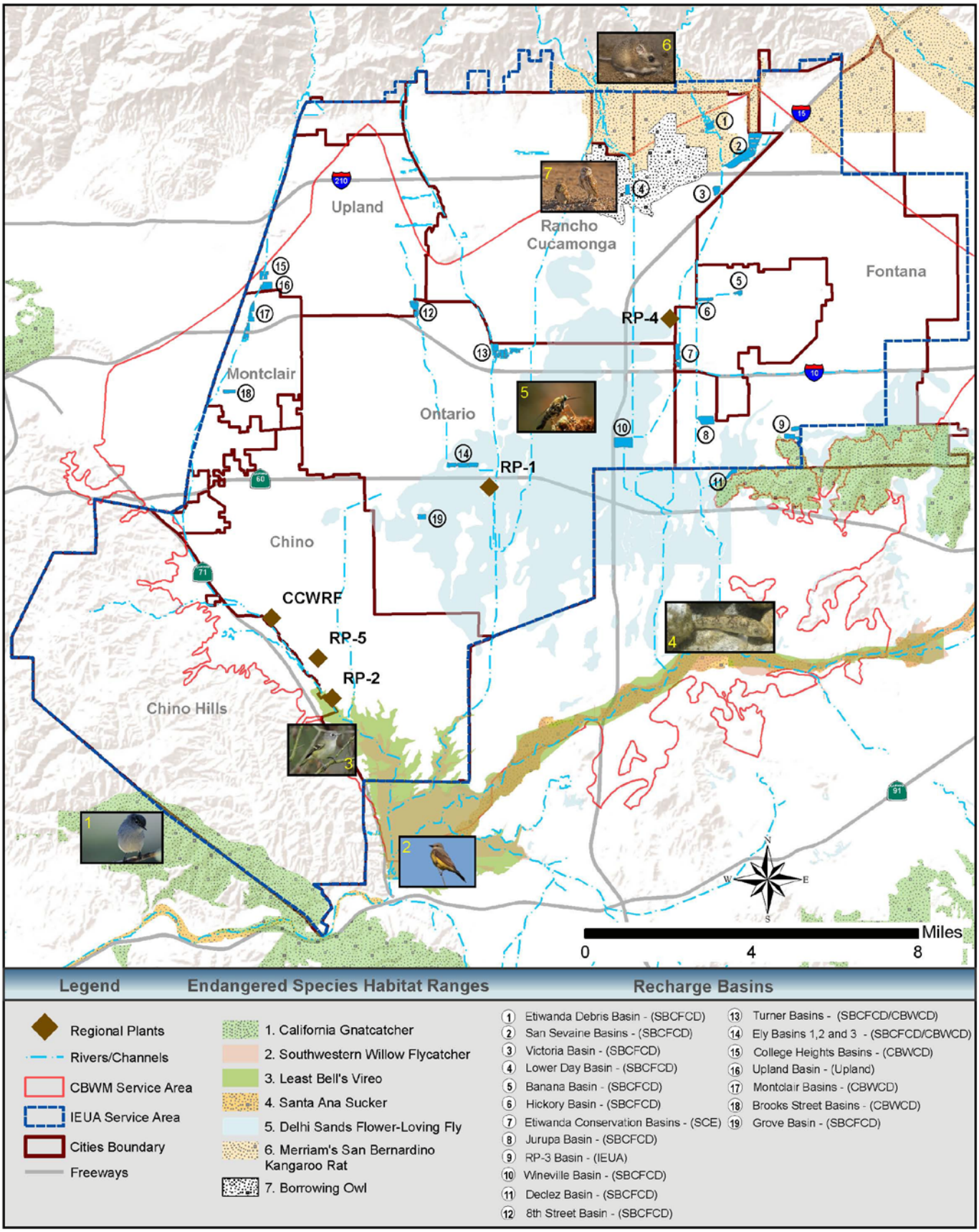
**Cost Sharing Document**: Task Order No. 7 of the Master Agreement of 2014

**Project Update:**

The HCP team has refined the covered activities for the proposed projects and is entering the hydraulic modeling phase. Hydraulic modeling will be used to determine the overall impacts to the Santa Ana River from all of the projects in the HCP (which include modifications to Wineville, Lower Day, San Sevaine, Victoria, and Montclair as per the RMPU) in terms of altered stream flows, discharge points, etc. and be the basis for the environmental and habitat impacts.

| RMPU Projects | Location | Potential Species |
|---|---|---|
| **PID - 19a** | Wineville Basin | DSF |
| **PID - 12** | Lower Day Basin | SBKR,CAGN,BUOW |
| **PID - 7** | San Sevaine Basins (1-5) | SBKR |
| **PID - 11** | Victoria Basin | SBKR |
| **PID - 2** | Montclair Basins (1-3) | CAGN |

***DSF=Delhi Sands Flower-Loving Fly; SBKR=Merriam's San Bernardino Kangaroo Rat; CAGN=California Gnatcatcher; BUOW=Burrowing Owl***


Upland
Rancho Cucamonga
Fontana
Montclair
Ontario
Chino
Chino Hills
RP-4
RP-1
CCWRF
RP-5
RP-2
Miles
0
4
8
Legend
Regional Plants
Rivers/Channels
CBWM Service Area
IEUA Service Area
Cities Boundary
Freeways
Endangered Species Habitat Ranges
1. California Gnatcatcher
2. Southwestern Willow Flycatcher
3. Least Bell's Vireo
4. Santa Ana Sucker
5. Delhi Sands Flower-Loving Fly
6. Merriam's San Bernardino Kangaroo Rat
7. Borrowing Owl
Recharge Basins
1 Etiwanda Debris Basin - (SBCFCD)
2 San Sevaine Basins - (SBCFCD)
3 Victoria Basin - (SBCFCD)
4 Lower Day Basin - (SBCFCD)
5 Banana Basin - (SBCFCD)
6 Hickory Basin - (SBCFCD)
7 Etiwanda Conservation Basins - (SCE)
8 Jurupa Basin - (SBCFCD)
9 RP-3 Basin - (IEUA)
10 Wineville Basin - (SBCFCD)
11 Declez Basin - (SBCFCD)
12 8th Street Basin - (SBCFCD)
13 Turner Basins - (SBCFCD/CBWCD)
14 Ely Basins 1,2 and 3 - (SBCFCD/CBWCD)
15 College Heights Basins - (CBWCD)
16 Upland Basin - (Upland)
17 Montclair Basins - (CBWCD)
18 Brooks Street Basins - (CBWCD)
19 Grove Basin - (SBCFCD)

# 2013RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS
# PROJECT NO. RW15003
# STATUS UPDATE: OCTOBER 29, 2014

The 2013 Amendment to the 2010 Recharge Master Plan Update recommended that the yield enhancement projects listed below be implemented for preliminary-design, environmental review, permitting, and final design.

| Basin Projects | Key Project Improvements | Yield | Recycled Water |
|---|---|---|---|
| | | acre-feet per year | |
| CSI Storm Water Basin | Improve the site as a new storage and recharge facility by deepening and removing over 36,000 cubic yard of soil | 81 | - |
| Wineville, Jurupa, and RP3 | Improve storage and recharge capacity by adding pumps and conveyance systems between basins and provide new diversion structures | 3,166 | 2,905 |
| Sierra | Improve storage and recharge by removing over 40,000 cubic yards of soil - (*Removed –no longer feasible*) | ~~64~~ | - |
| Declez Basin | Improve storage and capacity by modifying existing or adding new structures | 241 | - |
| Victoria Basin | Improve the infiltration rate and increase storage by removing settled deposits | 43 | - |
| Turner Basin | Increase storage and recharge by raising the spillway height | 66 | - |
| Ely Basin | Improve storage and recharge by removing 470,000 cubic yard of basin material | 221 | - |
| Lower San Sevaine Basin | Construct a new storage flow through basin south-east of Victoria -(*Sale Pending*) | 1,221 | - |
| Montclair Basins | Increase storage and recharge capacity by directing more channel flow | 248 | - |
| | **Total** | **5278** | **2,905** |

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $8,122,500 | - |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 01/07/14 | 02/18/15 | In Progress | $58,100 | - |
| Preliminary Design | 02/19/15 | 06/30/16 | Not Started | $1,475,100 | - |
| Environmental | 02/19/15 | 06/30/16 | Not Started | $577,100 | - |
| Design | 07/01/16 | 12/29/17 | Not Started | $5,605,100 | - |
| Permits | 09/30/16 | 12/29/17 | Not Started | $407,100 | - |
| | | | | $8,122,500 | - |

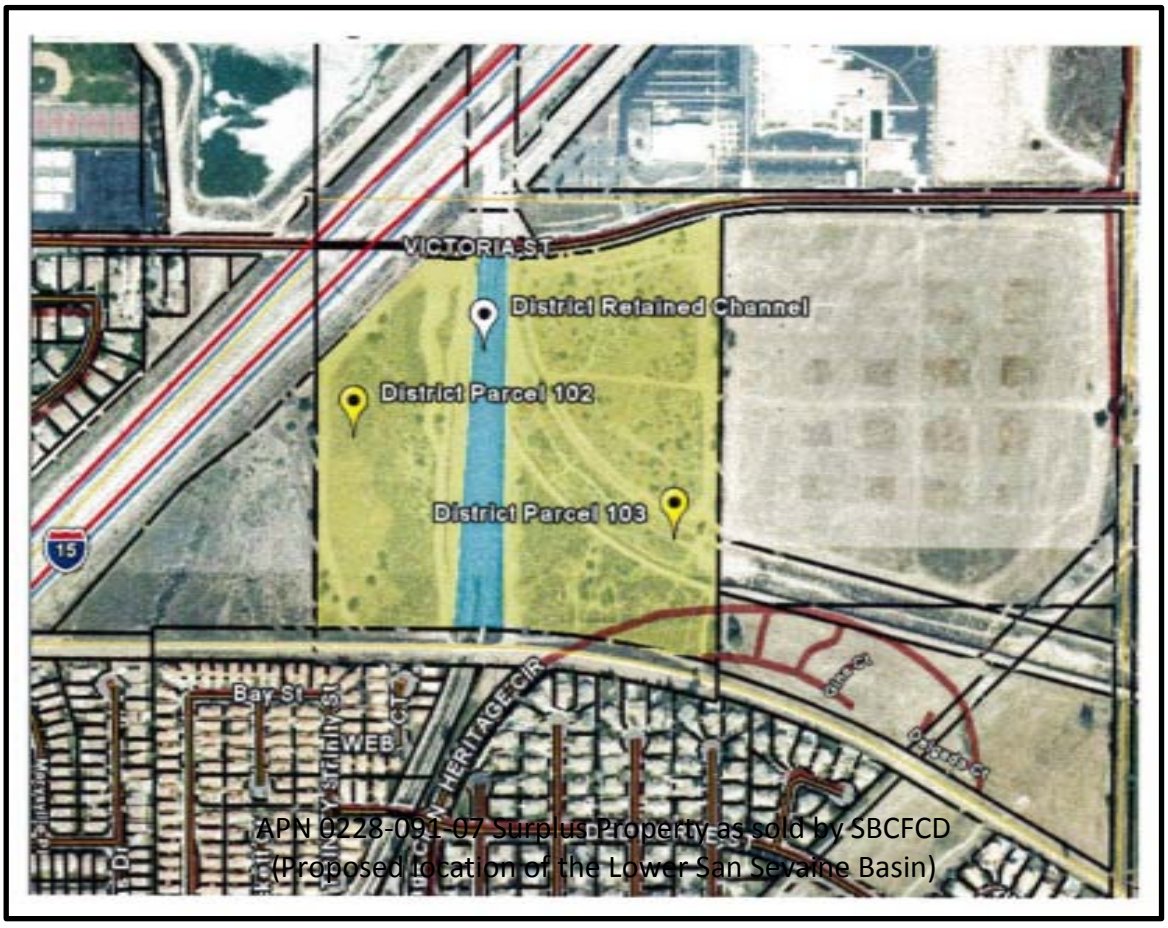
**Cost Sharing Document**: Task Order No. 1 of the Master Agreement of 2014

**Project Update:**

The San Bernardino County Flood Control District is pending sale on 32 acres of their property which was the potential site to build the Lower San Sevaine Basin. Therefore, the project may no longer feasible. The proposed basin was to yield 1,221 AFY of stormwater for Management Zone 2.

Staff will withhold the Lower San Sevaine project from the upcoming Pre-Design RFP document with the recommendation to remove the project from the task order if the sale is completed.

**Project Photo:**



APN 0228-091-07 Surplus Property as sold by SBCFCD
(Proposed location of the Lower San Sevaine Basin)

**LOWER DAY RMPU IMPROVEMENTS**
**PROJECT NO. RW15004**
**STATUS UPDATE: OCTOBER 29, 2014**

This project will modify the existing intake structure and install pneumatic gates in the channel. The pneumatic gates will monitor and self-adjust to maintain a water level or rate of discharge over the gate structure in accordance with an established programmable logic controller. The basin's existing embankment will be evaluated and reconstructed to meet the requirements of a dam embankment with the Division of Safety of Dams. Improvement on the embankment may include excavation and keying to prevent piping and seepage.

The potential increase in recharge with the inlet is 1,469 acre-feet per year as per 2010 RMPU.

**Schedule:**

| Project Budget | Actual Cost to Date |
|---|---|
| $2,480,000 | $1,523 |

| Phase | Start | Finish | Status | Projected Cost | Actual Cost |
|---|---|---|---|---|---|
| Project Development | 07/01/14 | 12/17/14 | In Progress | $25,000 | $1,523 |
| Pre-Design | 12/18/14 | 04/10/15 | Not Started | $30,000 | - |
| Design | 04/13/15 | 11/05/15 | Not Started | $145,275 | - |
| Environmental Impact | 05/29/15 | 10/10/17 | Not Started | $76,200 | - |
| Permits | 07/28/15 | 06/01/16 | Not Started | $66,000 | - |
| Bid and Award | 06/02/16 | 08/26/16 | Not Started | 9,000 | - |
| Construction | 08/29/16 | 01/16/18 | Not Started | $2,128,525 | - |
| | | | | $2,480,000 | $1,523 |

**Cost Sharing Document**: Task Order No. 2 of the Master Agreement of 2014

**Project Update:**

Staff is scheduled to have a consultant contracted to begin preliminary design efforts by mid-December.

**Project Photo:**


Aerial photo of the project site

Field photo showing the location of the proposed improvement to the existing channel to increase storm water capture