

# DOC Watershed Coordinator Grant

## Final Report Form [2014]

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Grant number: 3010- 238, Amendment No.1

Grantee name: Tulare Basin Wildlife Partners (TBWP)

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Watershed name(s) + HUC(s): Tulare-Buena Vista Lakes 18030012

and location(s) [counties]: Fresno, Kings, Tulare and Kern Counties

State Senate District number(s): 12,14,16,18

Senators(s): Canella, Berryhill, Vidak, Fuller

State Assembly District number(s): 23,26,31,32,34

Assembly Member(s): Patterson, Conway, Perea, Salas, Grove

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Designated Coordinator name(s) (if different from preparer): Quarters 1-12 WC, Kathy Wood McLaughlin/TKM Consulting (TKMC); Quarter 13 WC #1, Dave Clendenen/Vollmar Natural Lands Consulting (VNLC) and WC #2 Kathy Wood McLaughlin/TKMC; Quarter 14, John Vollmar, Katie Young, Eric Smith, Jake Schweitzer, Caitlin De La Torre, Dave Clendenen/VNLC WC #1 Team.

Final Reporting Period: 05/18/11 through 11/18/14

Report submission date: 12/01/14

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**[Note:** The final report replaces the quarterly report for this reporting period. The information in the final reports will be compiled by DOC staff and reported to the Legislature.]

### 1. **Executive Summary:**

*Introduction.* The goal of the TBWP Tulare Basin Watershed Initiative (TBWI) is to create a healthy regional watershed with ecologically functional waterways, wetlands and uplands, providing abundant clean water for both people and wildlife through promotion of Integrated Resource Management (IRM) in the Tulare Basin watershed. The primary objective of the TBWI is to ensure that water supply, water quality, flood control and drought management practices carried out through the Integrated Regional Water Management (IRWM) process consider and incorporate watershed ecosystem sustainability principles in project design and implementation.

The over-arching purpose of this effort is to develop the whole-watershed collaboration necessary to steward the regional natural systems that are essential to the Tulare Basin agricultural economy and the well-being of individuals and families in Tulare Basin urban and rural communities.

The role of the TBWP as a regional leadership and advocacy non-governmental organization is to serve as a catalyst, working with partners to achieve regional balance in natural resource use for the benefit of current and future citizens.

*Area description.* As defined by the TBWP, the Tulare Basin hydrologic unit is bounded on the north by the ridge that separates the San Joaquin River Drainage from the Kings River Drainage; the western boundary is the crest of the Inner Coast Range; the eastern boundary is the crest of the Sierra Nevada; and the southern boundary is the crest of the Transverse Range.

*Program Highlights, Quarters 1 – 12.* Efforts in fulfillment of the 36-month, \$300,000 DOC Watershed Coordinator Grant to the TBWP for the TBWI began on May 19, 2011 and ended on May 18, 2014. During this period, the Watershed Coordinator (WC), Kathy Wood McLaughlin/TKMC, led outreach efforts to the five active Tulare Basin IRWM groups and the numerous influential IRWM water agency members among the “below the reservoir” IRWM groups -- the Kings Basin Water Authority(KBWA)/Upper Kings Integrated Regional Water Management JPA(KBIRWM JPA), Kaweah Basin IRWM, Tule River IRWM, Poso Creek IRWM and Kern County IRWM, and to the sixth active Tulare Basin IRWM group -- the Southern Sierra IRWMP (SS IRWMP) and its participating federal and state land and water management agencies and non-governmental organizations. The WC’s outreach effort also included the Tulare Basin IRWM Collaboration Group (TB IRWIMG), which meets monthly for information-sharing among the six active IRWM groups. A seventh Tulare Basin IRWM group, the Westside IRWMP, was relatively inactive during this period and did not participate in the TB IRWIMG.

Throughout this period, the WC worked closely with federal, state, and local natural resource agencies – the USDA/Natural Resources Conservation Service (NRCS), US Bureau of Reclamation (BOR), US Fish and Wildlife Service (FWS), US Bureau of Land Management (BLM), the California/Central Valley Regional Water Quality Control Board (RWQCB), California Department of Water Resources (DWR), California Department of Fish and Wildlife (DFW), Angiola Water District (AWD), Fresno and Tulare County planning agencies and the Fresno Council of Governments-led San Joaquin Valley Greenprint. The WC also worked closely with non-profit conservation organizations operating in the Tulare Basin, most notably the Sequoia Riverlands Trust, Sustainable Conservation, River Partners and the Allensworth Progressive Association, as well as with the California State University Fresno/California Water Institute.

The WC utilized the TBWP’s four conservation planning documents adopted during 2006-2010

by the DFW and CA Wildlife Conservation Board (WCB) as Conceptual Area Protection Plans or CAPPs, the Tulare Basin Conservation Plan Water Supply Strategies Report (2010), the TBWP Conceptual Projects List (CPL 2013) (*see the TBWP November News Update 2014 on the enclosed CD for a live link to this list, or see the TBWP CPL 2013 on the TBWP website [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org), Our Work*) and appropriate state and federal land management agency planning documents as references in analyzing the objectives and priorities in the Tulare Basin IRWM plans. Throughout this period, the WC worked to incorporate ecosystem benefit project concepts from these reference documents in multi-benefit grant applications by many of the partners listed above. She routinely advanced information regarding funding resources for such projects to appropriate partners and in some cases wrote and submitted grant applications on behalf of partners.

The effort to incorporate ecosystem benefit project concepts into DWR IRWM grant applications was hindered by the fact that the DWR IRWM Project Implementation guidelines for Rounds 1 and 2 did not include a clear scoring advantage for inclusion of ecosystem benefits in project applications. In repeated efforts to address this matter, TBWI Team members -- including the WC, Assistant WC (AWC) (Sarah Campe), and TBWP Executive Director (ED) -- prepared a white paper on ecosystem benefits for dissemination at IRWM meetings, engaged in conference calls and TBIRWGMG meetings to offer ecosystem project component suggestions, submitted comments in a DWR Round 1 – 2 improvement workshop, and twice submitted a comment letter urging DWR to include scoring advantage for ecosystem restoration components in the upcoming IRWM Project Implementation Winter 2015 (Round 3) Project Solicitation Proposal (PSP). Although these efforts have not succeeded to date, we hope they will succeed beginning with the DWR Project Implementation Winter 2015 PSP, especially in light of the October 29, 2014 CA Biodiversity Council Agency Alignment Resolution. Our expectation is that the Agency Alignment Resolution will effect alignment of DOC Watershed Grant Program watershed/ecosystem resiliency-building emphasis with the application guidelines in future DWR IRWM grant PSPs, as well as in future grant PSPs that will result from the California Water Action Plan and the passage of the Proposition 1 Water Bond in November 2014.

Despite the above scoring disadvantage, the WC succeeded in engaging with the IRWM groups and many other key partners (*see the Key Partners List in Item 6 below for a full listing*) to advance specific high priority projects or project components from the TBWP CPL 2013 in an approach that was both systematic and opportunistic, to establish what is now an acknowledged region-wide support network for the watershed-based IRM approach and the Tulare Basin watershed coordination function. This has happened in the context of intra-regional IRWM group competition (i.e. competition among groups within the Tulare Basin) for funding by the six active IRWM groups. Regardless of this intra-regional competition, the WC set the stage for advancing collaborative multi-benefit projects intra-regionally on a whole-watershed basis under current and future conditions.

A specific example of the WC's assistance in setting the stage for Tulare Basin whole-watershed

collaboration is her participation in the first upper-lower watershed connections meeting convened by the AWC in February 2014 as a sub-group of the Tulare Basin Working Group (TBWG), with funding provided through the TBWP-BLM Cooperative Agreement. The February meeting resulted in support from DWR and Southern California Edison (SCE) for the June 10, 2014 Watershed Connections Workshop at the SCE Energy Education Building in Tulare and the formation of the Tulare Basin Watershed Connections Working Group (WCWG) under the interim coordination of Michelle Selmon, DWR Climate Change Specialist and Senior Environmental Scientist. *(See the TBWP November News Update on the CD that accompanies this report for a live link to information about the WCWG, or see [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org), Our Work, for WCWG information.)*

Another WC achievement of particular note includes facilitation of \$648,000 in funding by September 2013 from the Central Valley Project Conservation Program-Habitat Restoration Program (CVPCP-HRP) for a Lower Tulare River Irrigation District (LTRID) conservation easement on alkali scrub habitat in a high priority TBWP/DFW/WCB CAPP area, thereby providing capital for LTRID application to high priority water supply infrastructure.

Yet another achievement is the WC's advancement of the Angiola Water District (AWD) Liberty Ranch project during 2012-2013, which -- as soon as Tulare Basin IRWM groups and water agencies can shift focus from groundwater recharge issues to focus on a major regional flood storage project opportunity -- has the potential to provide 100,000 a/f of flood storage in the heart of the Tulare lakebed in Kings County, in an area historically fed by the Kings, Kaweah, Tule and Kern Rivers or their distributaries, with multiple beneficial regional uses resulting, perhaps under public-private management. *(See the Liberty Ranch project description on the TBWP website [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org), Our Work, CPL 2013, High Priority Project Concepts, Kings River Riparian Corridor, p.9.)*

The WC assisted Tasha Newsman-Director of Conservation Programs, Conservation Strategy Group (CSG) in writing the second, successful planning grant application to DWR for the SS IRWMP and subsequently played a strong, guiding role in developing the SS IRWMP Plan. The Plan was adopted by the SS IRWMP MOU participants on November 13, 2014 and subsequently submitted to DWR by Provost and Pritchard Consulting Group staff for approval. The SS IRWMP is particularly important to regional capacity for whole-watershed health due to its overarching location, inclusion of federal land management agencies whose operating areas include headwaters for Tulare Basin water supply, and its contiguous relationship with neighboring IRWM groups. *(See Figure 1-2, Chapter 1, in the Final SS IRWMP Public Draft Plan for a map of the SS IRWMP and neighboring IRWM groups on the CD that accompanies this report, or see the map, Final Public Draft SS IRWMP Plan, at [www.southernsierrarwm.org](http://www.southernsierrarwm.org).)*

*Communications and Outreach Support.* During Quarters 5 -12 under the Grant, the TBWI Communications and Outreach Specialist (COS) (Niki Woodard/Spiral-PR) provided important support to the watershed IRM effort by implementing outreach efforts in the Southwest Tulare

County area, focusing primarily on the communities of Alpaugh and Allensworth. The COS facilitated leadership development roundtables, initiated the Allensworth-Alpaugh-Atwell Island (AAA) community news bulletin, and launched the AAA Island Trails project – a habitat restoration and recreational project planned to align with a pipeline that will deliver clean drinking water to these communities from the Angiola Water District. In addition, the COS provided communications support through establishment of the TBWI website and its signature feature -- a Rural Communities Resource Center portal.

During the six-month Drought Response Extension period under the grant, the COS advanced a long-planned feature of the TBWI website -- an interactive, multi-layered land and water use mapping composite tool for use by county planners, elected officials, and the general public. This mapping tool is the result of collaboration with the UC Davis Information Center for the Environment (ICE)/Fresno Council of Governments (COG) Greenprint, VNLC/Geographic Information System experts and participants in the Tulare Basin IRWMG. (*See the TBWP November News Update 2014 on the enclosed CD for a live link to this mapping tool.*) In addition, the COS and OA prepared and distributed the TBWI E-News twice monthly.

*Matching Support, Quarters 1-12.* Throughout this period, the WC was supported by in-kind leadership matching support from the Central Valley Joint Venture (Bob Shaffer, Ruth Ostroff), NRCS (Elizabeth Palmer), the TBWP ED (Carole Combs), Board President (Robert Hansen), Board Vice President (Richard Moss) and Board Advisors (Steve Laymon through November 2011 and Larry Saslaw thereafter). Matching funds for support staff -- AWC, COS, and OA -- were provided through grants or contribution agreements with NRCS, BLM, Kenney Brothers Foundation, Southern California Edison (SCE), Pacific Gas and Electric Company (PG&E) and allocations from the TBWP Unrestricted Contributions Discretionary Fund (UCDU). Expenses incurred by the WC during Quarters 1 – 12 were covered primarily through multi-year grants from the Kenney Brothers Foundation.

*Program Highlights, Quarters 13-14 (Drought Response Extension).* During the \$49,999.50, six-month Drought Response Extension granted by the DOC to the TBWP in April 2014 for the period May 19 – November 18, 2014, the WC #1 and WC #2 worked to engage Tulare Basin IRWM groups in projects funded by DWR, NRCS or other state, federal and private entities to address regional drought impacts and critical regional groundwater overdraft through strategic engagement in programs and projects to advance short and long-term solutions for climate change adaptation, ecosystem resiliency and whole-watershed sustainability. To this end, the TBWP engaged Dave Clendenen-Senior Biologist, San Joaquin Valley Office/VNLC as WC #1 and Kathy Wood McLaughlin/TKMC as WC #2 for Quarter 13. During Quarter 14, the TBWP engaged John Vollmar - President and Principal Biologist, Katie Young - Staff Ecologist, Eric Smith - Senior GIS, Jake Schweitzer - Senior GIS, Caitlin De La Torre - Staff Ecologist, and Dave Clendenen – Advisor/VNLC as the WC #1 Team.

During Quarter 14, the WC #1 Team succeeded most notably by engaging the Kern County

Semitropic Water Storage District (SWSD) in a project involving a conservation easement to be held by the California Rangeland Trust (CRT) on a 400-acre SWSD groundwater storage parcel with alkali scrub habitat restoration/San Joaquin Valley kit fox habitat enhancement potential (@ \$1.25M), and in subsequent submission of a funding application to the CVPCP-HRP. (*See the VNLC Quarter 14 report on the enclosed CD for a photo of the project area and more information.*) VNLC and the CRT plan additional applications through DFW for ESA Section 6 and WCB funding to support the entire cost. This is an innovative project that provides drought response, groundwater recharge, and habitat enhancement benefits and serves as a model for replication elsewhere in Tulare Basin. VNLC's goal is to protect an additional 10,000 acres in the Tulare Basin over the next ten years through similar projects.

Also during Quarter 14, as described above, the WC #1 Team worked with the COS and the UC Davis-ICE/Fresno COG Greenprint land use mapping composites to improve the immediate usefulness of these map layers as an interactive decision-making tool for policy development and land use/groundwater management planning decisions.

In Quarters 13 and 14 the TBWI Team (including TBWP Board members, ED, AWC, COS, OA and the WC #1 Team in the role of "on-the-ground project implementation" specialists) served as a catalyst for the fruition of the upper-lower watershed connections initiative, which resulted in formation of the WCWG as mentioned above. The goal of this multi-agency, intra-regional and inter-jurisdictional collaboration is "to advance collaborative watershed planning and resource management in Tulare Basin based on sound science and mutually identified needs for regional economic and ecological sustainability." This is a group of private, local, state and federal entity leaders and decision-makers gradually gathering in what could lead to a tri-county (Tulare, Kings, and Fresno Counties) HCP or NCCP. Given the TBWP October 2010 DOC Watershed Grant application commitment to sustain the Watershed Coordinator function with broad-based community support after the end of the DOC Grant, it is possible to state that the Tulare Basin Watershed Coordinator, watershed-based IRM **function** (although not the position) will continue and evolve with broad-based regional support in the context of this new collaborative.

Further, during Quarters 13 and 14, the Quarter 1-12 WC (Kathy Wood McLaughlin/TKMC) TBWP ED, and COS provided outreach and communications support to the TBWI as a result of Fresno Regional Foundation funding for the TBWP Land Use and Natural Resources Integration (LUNRI) program. Under the LUNRI program, the TBWP developed land and water use best management practice recommendations and presented those recommendations during in-person meetings and in a guidebook distributed primarily to Fresno County Public Works and Planning Department (Fresno County PW&P), Tulare County Resources Management Agency (Tulare County RMA) and Kings County Community Development Agency (Kings County CDA) planners. (*See the TBWP November News Update 2014 on the enclosed CD for the LUNRI infographic and a live link to full information concerning the LUNRI program, or see [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org), Our Work, LUNRI.*)

*Matching Support, Quarters 13-14.* The TBWP applied the Fresno Regional Foundation LUNRI funding to its match funding invoice reporting during these quarters, along with continued BLM funding, allocations from the TBWP UCDU (referenced above) and remaining funding from SCE and PG&E 2013 grants. WC #1 and #2 mileage expenses during Quarters 13 and 14 were covered to the extent possible through remaining TBWP Kenney Brothers Foundation match funds and TBWP General Fund Match Reserve funds.

*Efforts to Secure Funding for WC Position Continuation.* The DOC Drought Response Extension enabled the TBWP ED and TBWI Team to sustain efforts to fund the WC position for an additional six months. The TBWP ED, WC, WC #1, and WC #1 Team submitted three letters of inquiry to the California Water Foundation (CWF) during Quarters 11- 14 for continued funding of the WC position and met twice -- on March 3 and November 4, 2014 -- with CWF Program Managers. This effort was not successful due to CWF's current highly justified strategic emphasis on KBWA/Kings River Conservation District (KRCD) leadership role in helping achieve regional balance in groundwater use. However, this effort did succeed in creating a CWF-TBWP-VNLC information-exchange relationship, CWF interest in the WCWG, and the potential for possible future CWF funding of innovative projects that help achieve groundwater balance in the Kings Basin and hopefully elsewhere in the Tulare Basin in future.

*Continuation of the WC function.* Although efforts to obtain funding for the continuation of the WC position have not succeeded, efforts to continue the WC function have succeeded and will continue in the context of the WCWG. Moreover, the WC function will continue with strong support by the TBWP Board and Advisors, the TBWI E-News, TBWI Website and ongoing development of the TBWI-VNLC-UC Davis-ICE/ Greenprint land use mapping composites as a regional interactive decision-making and land use planning tool.

*Return on DOC Investment.* The TBWP-TBWI return on the entire 42-month \$349,999.50 DOC Watershed Grant investment is significant. The TBWP leveraged \$906,439.75 over the grant period in new funds attributable to the TBWI WC and Team efforts -- including \$49,999.50 in funding under the DOC Drought Response Extension, funding for projects, and cash match funding support, thereby more than doubling the original \$300,000 DOC investment. The TBWP's cash match total was \$218,766.86, considerably exceeding the original budgeted cash match commitment of \$82,500. The TBWP in-kind leadership match total was \$238,890.63 -- significant but less than the original \$272,400 budgeted commitment.

*Acknowledgments.* The TBWP Board and Advisors are deeply grateful for:

- the opportunity provided by the DOC Watershed Coordinator Program to address the complex challenges to achieving a healthy, regional watershed with ecologically functional waterways in the Tulare Basin;
- the enthusiasm, energy, perseverance and highly professional performance of Kathy Wood McLaughlin/TKMC and Dave Clendenen, John Vollmar, and Katie Young/VNLC

- as Tulare Basin Watershed Coordinators throughout the DOC Grant period;
- the helpfulness of Kevin Peth, DOC Grants Manager and other DOC Watershed Program staff in responding to questions and providing assistance throughout the grant period;
- the substantive contributions of all the key partners listed in the “Key Partners” section of this report (Item #6 below);
- the helpfulness of Provost and Pritchard Consulting Group, Visalia Office staff, in providing meeting space and conference line as needed throughout the grant period; and the assistance of Provost and Pritchard Consulting Group staff to the Kaweah Basin IRWM, Kern County IRWM, KBWA/Kings Basin IRWM JPA and to Tulare County Supervisors--as well as Fresno, Kings and Kern County Supervisors, Tulare County RMA staff, the Community Water Center and leaders from regional rural communities in managing the DWR \$2M grant to the four Southern San Joaquin Valley counties for the Tulare Lake Basin Disadvantaged Community Water Study;
- the facilitation services of Dorian Fougères and Rich Wilson, California State University Sacramento/Center for Collaborative Policy – Dorian and Rich for the SS IRWMP and Rich for the June 10, 2014 Watershed Connections Workshop;
- the accounting services of Pine, Pedroncelli and Aguilar, Visalia office staff, and annual Audit services of Artis & Company, Visalia office staff, throughout the grant period;
- and, above all, the enduring contributions of Steve Laymon, Ph.D., BLM Atwell Island Project Manager and TBWP Board Advisor until November 2011, for his leadership role in compiling the TBWP/DFW/WCB CAPP documents and the 2012 version of the CPL, and to both Steve Laymon and CSG staff for their assistance in preparing the 2010 TBWP DOC Watershed Grant Application.

*Next Step Recommendations.* The recent passage of the Groundwater Management Sustainability Act (GSMA), GSMA preference for local control, and formation of local Groundwater Sustainability Agencies (GSAs) now underway regionally is especially important given the fact that the entire Tulare Basin is in “critical groundwater overdraft.” While regional water agency leaders have understandably turned their attention to formation of GSAs, the following are next step recommendations which are needed *now*, could be undertaken under the leadership of the WCWG, and would require Basin-wide collaboration in attracting federal, state, and private investment:

- develop the land use map composites as an applicable, reliable decision-making tool for location, funding, and implementation of new groundwater recharge projects in a whole-Basin, collaborative process;
- plan, fund, and implement new storage infrastructure projects to capture flood water for subsequent re-distribution to groundwater recharge areas and area wetlands; one such project area with significant potential is Liberty Ranch, Kings County, referenced above and in the TBWP Conceptual Projects List (*live link in November News Update, enclosed CD; also posted on TBWP website at [www.tularebasinwatershed.org](http://www.tularebasinwatershed.org), Our Work, CPL 2013*).

*Conclusion – the Future of Whole-Watershed Health in Tulare Basin.* The WCs and TBWI Team have provided the foundation for watershed-based IRM in the Tulare Basin since grant inception in May 2011, but decades of work lie ahead. The watershed coordination function will be carried on through the WCWG and a possible future successor organization or authority. The emphasis will gradually change from intra-regional competition for funds among Tulare Basin IRWM groups to intra-regional collaboration for whole watershed health and beyond that -- to inter-regional collaboration with major neighboring watershed basins (e.g. the San Joaquin River Basin).

Initial indications are that the GSMA and resulting formation of GSAs will impact the whole-watershed approach in the short-term by causing GSAs to form independently, outside the purview of existing Tulare Basin IRWM groups or the existing Tulare Basin IRWVG, and in the longer-term -- because groundwater hydrology functions independently of county, municipal, water agency or landowner boundaries -- by providing incentives for intra-regional groundwater management collaboration by GSAs and by the four Southern San Joaquin Valley counties. This, in turn, will provide the basis for greater whole-watershed, upper-lower watershed water supply and ecosystem stewardship, as well as added regional water security.

The focus on network creation and relationship-building will continue. Increased intra-regional collaboration will attract increased federal, state, and private investment to the region. The capacity for collaborative, multi-benefit “on the ground” project implementation through innovative, replicable models will grow.

Through communications and outreach efforts such as the TBWP LUNRI program and the UC Merced/Sierra Nevada Research Institute Center for Climate Change Communications, the general public and elected officials will become increasingly aware of important research and factual information regarding regional water supply, enhancing pro-active capacity for balanced land and water use, leading to regional economic stability, and creating hope for future citizens of the Tulare Basin watershed.

## 2. Watershed Benefits

- a) **Original Term of Grant - List at least 10 of the Watershed Coordinator’s most significant beneficial impacts on the watershed from the grant start date through the original grant end date.** [Use bullets; however, include enough detail for the reader to understand what was accomplished and how the WC was involved. Focus on major accomplishments and achievements based on the approved work plan. Explain how the WC’s where possible. Statements such as, “good progress was made” or “the workshop was very successful” are not meaningful unless quantified.]

- The WC advanced the Liberty Ranch Flood Storage and Habitat Enhancement Project (*CPL 2013, Kings River Riparian Corridor, p. 9*), thereby setting the stage for it to become

one of the strongest contenders for future intra-regional, inter-jurisdictional collaborative efforts due its potential to provide 100,000 a/f flood storage for redistribution to regional wetlands and groundwater recharge areas.

- The WC brought in \$648,000 in CVPCP-HRP funding for a conservation easement on LTRID property of high upland habitat value, enabling the LTRID to re-capitalize high priority infrastructure needs such as conveyance and groundwater recharge.
- The WC advanced the Arroyo-Pasajero Flood Control Strategies and Habitat Enhancement Project (*CPL 2013 Arroyo Pasajero Riparian Corridor and Wildlife Complex, p. 5*) by working with the Westside RCD to develop and submit a funding application to CVPCP-HRP, which -- although not successful -- set the stage for future intra-regional, inter-jurisdictional collaboration to protect the I-5 corridor from flooding.
- The AWC advanced upper-lower watershed connections by convening the TBWG Wetlands Water Supply sub-group (an NRCS priority) during 2013, organizing and facilitating the upper-lower watershed connections follow up meeting in February 2014, and orchestrating the Watershed Connections Workshop on June 10, 2014. This workshop culminated in formation of the WCWG, thus providing momentum for continuation of the WC function in support of NRCS and other key partner natural resource programs after the completion of the DOC grant.
- The COS advanced Southwest Tulare County rural, underserved community interests by facilitating roundtables that brought Tulare County United Way, Tulare County RMA, and Self-Help Enterprises staff together with community leaders from Allensworth and Alpaugh, as well as with the BLM Atwell Island Project Manager and AWD General Manager. This COS leadership resulted in the funding of the TBWI Website Rural Community Resources Center portal, launch of the AAA News Bulletin and AAA Trails Project, and set the stage for additional Southwest Tulare County inter-community collaborations, including Summer Night Lights events, housing and well improvements, and the resurrection and funding of the Deer Creek Storm Water District.
- The WC advanced the SS IRWMP by assisting CSG with the writing of the successful SS IRWMP planning grant application and providing guidance to the SS IRWMP Plan development through participation in SS IRWMP Coordinating and Planning Committees, with the result that the SS IRWMP Plan has been submitted to DWR for approval and the SS IRWMP is poised to realize its potential as the over-arching IRWM that will facilitate coordination of upper watershed headwaters water supply management for downstream uses, as well as upper watershed corridor coordination for future landscape scale, whole-watershed climate change adaptation and water supply projects.
- The WC reliance upon monthly, quarterly, and bi-annual reporting and receiving of feedback through the TB IRWMP, TBWI Core Team, TBWP Board and Advisors and TBWG led to strong participation and support for the efforts of the WC, AWC, and COS by key individuals and partner organizations. The primary evidence of this is the Quarter 11 on-line survey that presented the strong stakeholder consensus recommendation for continuation of integrated problem-solving efforts by the WC, AWC, and COS. This in turn contributed to the formation of the WCWG.
- Although the TBWP ED and WC were not successful in obtaining funding for continuation of the WC position after the end of the 36-month grant period, the TBWP ED and WC did succeed in obtaining the six-month DOC Watershed Program Drought Response Extension. This in turn provided additional time to explore continued funding with CWF, at least for groundwater-related projects in Kings Basin, and to develop strong

potential for funding by other corporate and foundation funders of the TBWI E-News, TBWI Website, and TBWI-VNLC-Greenprint land use mapping composites in support of the WCWG.

- The TBWP ED, WC, AWC and COS leveraged a total of \$889,786.16 in new funds over the 42-month grant period (not including the DOC Drought Response \$49,999.50), close to tripling the initial DOC investment and demonstrating that watershed-based IRM collaboration attracts increased investment to the whole watershed, i.e. demonstrating the benefits to the Tulare Basin IRWM groups and water and natural resource agencies of intra-regional collaboration, encouraging the expansion of such collaboration in future.
- The WC led the establishment of a region-wide network of supportive relationships for whole-watershed collaboration, continuing her leadership role in Quarter 13 as WC #2 and serving as Project Lead during Quarter 14 under the Fresno Regional Foundation grant to the TBWP for its Land Use and Natural Resource Integration (LUNRI) program. The latter effort culminated in a suite of recommendations for future Land Use and Natural Resource Integration best management practices presented to Fresno, Kings and Tulare County planners during in-person briefings and in the LUNRI Guidebook, two copies of which accompany this report. In so doing, the WC and the DOC Watershed Grant program have provided a path forward, to be taken up now by participants in the WCWG and through the collaborative efforts of the many remarkable leaders in the Tulare Basin watershed.

b) **Extension Period of Grant - List at least 5 of the Watershed Coordinator's most significant beneficial impacts on the watershed during the Drought Emergency Response Extension.** [Use bullets; however, include enough detail for the reader to understand what was accomplished and how the WC was involved. Focus on major accomplishments and achievements based on the extension work plan. Explain how the WC's actions or activities have directly benefited the watershed and mitigated the drought. Quantify progress and results where possible. Statements such as, "good progress was made" or "the workshop was very successful" are not meaningful unless quantified.]

- The WC #1 & WC #1 Team advanced the SWSD-CRT conservation easement, groundwater recharge, and alkali scrub habitat enhancement project as a model for increasing water supply and habitat resilience that can be replicated Basin-wide, thus providing an innovative example applicable to other water agencies for capitalization of groundwater recharge projects with wildlife habitat enhancement and climate change adaptation benefits.
- The WC #1 Team analyzed the TBWI COS-UC Davis/ICE-Greenprint land use mapping composites and recommended improvements for immediate applications in land and water use decision-making with a particular focus on identification of potential projects with climate change adaptation benefits.
- The WC #1 and WC #1 Team engaged in the WCWG to provide VNLC expertise to WCWG project identification and implementation with climate change adaptation benefits.
- The WC #2 continued Westside RCD/Arroyo Pasajero project capacity-building, enhancing the potential for future success in funding and implementing CPL 2013 Arroyo Pasajero Riparian Corridor and Wildlife Complex project concepts with climate change

adaptation benefits.

- The WC #2 prepared a white paper regarding mitigation of regulatory impacts on Westside lands fallowed by the drought, furthering development of policies to mitigate those impacts and providing a recommendation included in the LUNRI Guidebook concerning this for follow up by regional county planners and TBWP advocacy and outreach efforts planned for 2015.

### 3. Work Plan and Performance Measure Progress

- a) **Original Work Plan - Identify and describe progress on work plan objectives and performance measures (PMs).** [Use your original Work Plan for reference. Under each objective, use a bulleted list to describe accomplishments completed on each PM. You should be reporting on the status of accomplishing PMs; not completing tasks.]

*Work Plan Objective #1:* Identify environmental benefits that can be added to specific IRWM water projects, adding environmental value and enhancing funding opportunities for these projects, as well as providing the following end result benefit to the watershed: conceptualization and implementation of projects emanating from relevant conservation plans that provide strategically located wetland, riparian and upland wildlife habitat.

PM: Facilitate the development and implementation of up to 14 environmental projects from TBWP and public agency planning documents that can add environmental value to IRWM projects.

Most significant accomplishment and outcome:

- The WC resurrected the 2006 TBWP-AWD-DFW Kings County Liberty Ranch Flood Storage and Habitat Enhancement project, a high priority Kings River Riparian Corridor project described in the TBWP Conceptual Projects List for TBWI and HSR 2013 (*CPL 2013, p. 9*). Working with the AWD, TBWP Board President, TBWP ED, TBWI Core Team, KBWA, TB IRWVG, DWR and other appropriate state and federal natural resource agencies and water agencies in the region, the WC succeeded in strengthening interest in this project, with the result that it remains one of the strongest contenders for future intra-regional collaborative efforts due to its potential to provide 100,000 a/f flood storage for redistribution to regional wetlands and groundwater recharge areas. The project is currently on hold due to groundwater export adjudication issues involving the current property owner.

*Work Plan Objective #2:* Match IRWM and other projects that have environmental benefits to grant opportunities and work to bring state, federal, and private resources to facilitate the funding of these projects, with the end result benefit to the watershed or increased fundability of IRWM water projects as well as providing additional valuable habitat for wetland, riparian, and upland wildlife species through these integrated projects.

PM: Facilitate the preparation by IRWM cooperators of 12-36 funding proposals that add environmental benefits to IRWM projects.

Most significant accomplishment and outcome:

- The WC brought in \$648,000 in CVPCP-HRP funding for the LTRID, a participant in the Tule River IRWMP, for a conservation easement on property of high upland habitat value covered in TBWP/DFW/WWCB CAPP documents, enabling the LTRID to utilize these funds for capital expenses such as conveyance and groundwater recharge infrastructure while protecting valuable upland habitat.

*Work Plan Objective #3:* Coordinate with Resource Conservation Districts (RCDs) and the San Joaquin Valley Resource Conservation District (SJV RC & D) Council as well as with other conservation and civic organizations not currently represented in IRWM groups to promote consideration of resources other than water (e.g. soil, air, open space, recreation and wildlife) in IRWM projects; the end result benefit of this objective will be increased public involvement that will lead in turn to increased benefits from the IRWM water projects for a wider array of the public, enhancing the regional agricultural heritage, economy, and quality of life.

PM: Facilitate the development and implementation of up to 12 IRWM projects that integrate benefits to soil, air, open space, recreation, wildlife and other resources.

Most significant accomplishment and outcome:

- The WC worked with the Westside RCD to develop and submit a funding application to CVPCP-HRP (“Riparian Restoration on the Western Fresno County Stream Groups, Arroyo Pasajero, Salt-Martinez, Cantua and Panoche Creeks”) in support of the Arroyo Pasajero Flood Control Strategies and Habitat Enhancement project, a high priority project concept in the Arroyo Pasajero Riparian Corridor and Wildlife Complex (*CPL 2013, p. 5*). Although this funding application was not successful, the collaborative effort led by the WC developed Westside RCD capacity for future such collaborative efforts -- sure to be forthcoming due to the over-arching need to protect the I-5 corridor from flooding.

*Work Plan Objective #4:* Coordinate with the Natural Resources Conservation Service (NRCS) to assist implementation of the Wetland Reserve Program (WRP) and other NRCS programs; the end result benefit of this objective to the watershed will be additional wetland and riparian projects funded by NRCS and increased acreage of these essential wildlife habitats.

PM: Identify and implement up to 12 WRP and other NRCS program projects in conjunction with IRWM projects.

Most significant accomplishment and outcome:

- The TBWP ED and WC deployed the AWC to organize and conduct the Wetlands Water Supply TBWG sub-group to advance NRCS WRP water supply needs. Many of the participants in this sub-group subsequently joined the first Watershed Connections meeting in February 2014, in which the WC played a strong leadership role, due to the importance of upper-lower watershed connections and the role of upper watershed water supply to lower watershed interests.

Continuing to broaden and deepen the water supply nexus, the AWC subsequently organized the Watershed Connections Workshop, held on June 10, 2014 with support from DWR, SCE, and BLM. This workshop in turn led to the formation of the WCWG -- a broad-based group currently led by DWR Climate Change Specialist/Senior Environmental Scientist Michelle Selmon to help mobilize regional public support for water supply for wetlands and other regional needs, as well as protect high value agricultural lands and habitat through NRCS and other public programs. Thus, the original focus on NRCS WRP support by the TBWI WC and AWC has become multi-dimensional.

*Work Plan Objective #5:* Coordinate with disadvantaged community interests to identify specific overlap between those interests and environmental interests and work to integrate both components into specific IRWM projects; the end result benefit of this objective is that IRWM water projects will demonstrate increased synergy between wildlife needs and open space needs of people living in disadvantaged communities.

PM: Facilitate the integration of up to six projects that provide environmental benefits for disadvantaged communities in IRWM water projects.

Most significant accomplishment and outcome:

- The TBWP ED and WC deployed the COS to conduct outreach to underserved, rural communities in Southwest Tulare County. This resulted in a series of roundtables facilitated by the COS in conjunction with staff members from Tulare County United Way, Self-Help Enterprises, Tulare County RMA, as well as the Allensworth Progressive Association, Allensworth and Alpaugh community leaders, the BLM Atwell Island Project Manager and the AWD General Manager. The roundtables resulted in the launch of the AAA News Bulletin and AAA Trails Project, funded by SCE and BLM, and the Rural Communities Resource Center portal ([www.tularebasinwatershed.org](http://www.tularebasinwatershed.org), *Rural Communities*) on the TBWI website, funded by PG&E. The majority of these collaborations are now reasonably well-established, are likely to continue with local support, and will need additional funds raised by the COS and local community leaders.

*Work Plan Objective #6:* Provide riparian and wildlife corridor concepts to assist IRWM groups with integration of climate change adaptation and sustainability strategies into specific IRWM water projects; the end result benefit to the watershed is that IRWM water projects will include climate change adaptation and sustainability benefits that will provide movement corridors for plants and animals, and fewer species will be extirpated from portions of their ranges and listed as threatened or endangered.

PM: Integrate up to 12 TBWP corridor project concepts or project components with climate change adaptation and sustainability into specific IRWM water projects.

Most significant accomplishment and outcome:

- CPL 2013 project concepts such as those described in Objectives #1 and #4 above achieved even greater potential for future realization as a result of the WC's role in assisting CSG in the writing of the second, successful planning grant application for the SS IRWMP and subsequent involvement in the SS IRWMP Coordinating Committee and Planning Committee, representing the TBWP (an MOU participant in the SS IRWMP). The SS IRWMP will play an essential role in climate change adaptation strategies by lower watershed IRWM groups, given its over-arching operating area inclusion of headwaters and upper watershed portions of riparian and wildlife corridors -- protection of the contiguity of which is essential to climate change adaptation strategies and implementation of integrated upper-lower watershed climate adaptation projects by the WCWG and others going forward.

*Work Plan Objective #7:* Ensure stakeholder support of the Watershed Coordinator's efforts through twelve-month reports by the Watershed Coordinator to the Tulare Basin IRWM Collaboration Group (TB IRWVG, composed of lead representatives of the six active Tulare Basin IRWM groups) and to the Tulare Basin Working Group (TBWG), soliciting evaluation and consensus recommendations concerning the optimal organization and funding basis for continuing the position beyond May 2014; the end result to the watershed of this objective will be achievement of stakeholder consensus on the value of continuing the position, with post-grant optimal organizational platform agreed upon and the need for funding continuity and long-term sustainability agreed upon.

PM: Complete twelve-month reports and performance evaluations by the TB IRWVG, TBWG, with summary reports (including summaries of reports to the Department of Conservation) posted on the TBWP web site.

Most significant accomplishment and outcome:

- The WC and TBWI Team reported quarterly to the TB IRWVG and bi-annually to the TBWG as required under this objective and received feedback. The WC also reported quarterly to the TBWP Board and Advisors and held monthly conference calls or in-person meetings with the TBWP Core Team -- which included the TBWP ED, President and Vice President; BLM (ret.) Advisor, the AWC, COS and OA; CSG, DWR, DFW, BLM and NRCS staff. The monthly Core Team meetings provided helpful feedback and assistance to the WC, AWC, and COS, thus enabling the WC, AWC and COS to demonstrate success under each of the above the 36-month grant objectives.

In order to obtain recommendations for TBWI program continuation, the TBWP ED and WC deployed the COS and AWC to conduct an on-line survey of key stakeholder group representatives during Quarter 11. The results were posted on the TBWI website at <http://www.tularebasinwatershed.org/latest-news/challenges-and-opportunities-tulare-basin-survey-results-0> and referenced in the Quarter 12 report to DOC. The survey results indicated strong agreement among key stakeholders for continuation of collaborative, integrated problem-solving efforts such as the watershed connections initiative. This recommendation contributed to the establishment of the WCWG as a result of the June 10, 2014 Watershed Connections Workshop.

*Work Plan Objective #8:* Coordinate with the TBWP, TB IRWGM, TBWG participants and other interested parties to secure funding for the continuation and sustainability of the position after the end of the grant; the end result benefit to the watershed will be continued integration of environmental components in water and flood control projects in the Tulare Basin.

PM: Secure a minimum commitment of funds for two additional years, with a long-term funding strategy for ten years or more.

Most significant accomplishment and outcome:

- Although TBWP ED and WC efforts to secure funding for continuation of the WC position after the end of the original grant period were not successful, the WC function will continue in the context of the WCWG. The TBWI E-News, TBWI website and TBWI-VNLC-UC Davis/ICE-Greenprint interactive land use mapping composites will continue to develop as regional a land use decision-making tool, supporting the continuation of the watershed coordinator function in the context of the WCWG. The TBWP expects that sources of continued support for the TBWI E-News, TBWI website and mapping tool will include the BLM-TBWP cooperative agreement (through September 30, 2017), as well as annual contributions from private corporations and foundations.

- b) **Extension Work Plan - Identify and describe progress on work plan objectives and performance measures (PMs).** [Use your extension Work Plan for reference. Under each objective, use a bulleted list to describe accomplishments completed on each PM. You should be reporting on the status of accomplishing PMs; not completing tasks.]

*Work Plan Objective #1, DWR Drought Response Solicitation Draft PSP:* Provide immediate regional drought response preparedness; reduce water quality conflicts or ecosystem conflicts created by the drought. (Relates to original Objective #6 – Provide riparian and wildlife corridor concepts to assist IRWM groups with integration of climate change adaptation and sustainability strategies into specific IRWM water projects; the end result benefit to the watershed is that IRWM water projects will include climate change adaptation and sustainability benefits that will provide movement corridors for plants and animals, and fewer species will be extirpated from portions of their ranges and listed as threatened or endangered.)

PM, WC #1 & WC #1 Team: Integrate up to **three** TBWP corridor project concepts or project components with climate change adaptation and sustainability benefits into specific IRWM water projects.

Most significant accomplishment and outcome:

- The WC #1 and WC #1 Team developed a conservation easement proposal on a 400-acre SWSD groundwater recharge property with potential for alkali scrub restoration and San Joaquin kit fox habitat enhancement in the TBWP/DFW/WCB Goose Lake CAPP area, engaged the CRT to hold the easement, assisted the CRT in submitting an approximate

\$1.25M funding proposal to CVPCP-HRP, and planned immediate funding request follow up through DFW ESA Section 6 and WCB. This multi-benefit project design presents an innovative model for water agency groundwater recharge capitalization as well as habitat enhancement with climate adaptation and sustainability benefits replicable elsewhere in the Tulare Basin in future.

PM, WC #2: Integrate up to **four** TBWP corridor projects or project components with climate change adaptation and sustainability benefits into specific IRWM water projects.

Most significant accomplishment and outcome:

- The WC #2 developed the Arroyo Pasajero Cooperative Watershed Coordinator Grant and submitted it to BOR WaterSmart in June 2014(*CPL 2013, Arroyo Pasajero Riparian Corridor and Wildlife Complex, p. 5*). This proposal included a nexus to the California Landscape Conservation Cooperative and climate change adaptation resiliency and addressed storm water management through development of the West Hills Resource Management Plan, as well as protection of downstream facilities and communities. Although this grant application was not successful, the proposal development process served to continue Westside RCD capacity-building and enhanced the potential for future successful efforts.

*Work Plan Objective #2, DWR Drought Response Solicitation Draft PSP: Provide immediate drought response preparedness; reduce water quality conflicts or ecosystem conflicts created by the drought. (Relates to original Objective #2: match IRWM projects that have environmental benefits to grant opportunities and work to bring state, federal, and private resources to facilitate the funding of these IRWM water projects – providing habitat for wetland, riparian, and upland wildlife species through these integrated projects.)*

PM, WC #1 and WC #1 Team: Facilitate the preparation by the Kern County IRWM, NRCS, or other cooperators of **up to three** drought response project applications feasible for on-the-ground implementation within a twelve-month period.

Most significant accomplishment and outcome:

- The WC #1 and WC #1 Team prepared maps and updated ownership data of lands along the Deer Creek and Poso Creek riparian corridors (*CPL 2013 Deer Creek Riparian Corridor, Sequoias to the Sloughs Project, p. 6, and Poso Creek Riparian Corridor, Poso Creek Riparian and Upland Habitat Protection, p. 10*), setting the stage for future VNLC high priority Deer Creek and Poso Creek Riparian Corridor project implementation efforts in the context of the WCWG.

PM, WC #2: Facilitate the preparation by IRWM, NRCS or other cooperatives of **two-to-four** drought response project applications feasible for on-the-ground implementation within a twelve-month period.

Most significant accomplishment and outcome:

- The WC #2 prepared a white paper on effects of drought and land-fallowing on T & E species and regulatory impacts on landowners for Westside water districts, setting the

stage for policy development concerning abatement of T & E species regulatory requirements and Safe Harbor applications on lands fallowed due to the drought. The result is Recommendation #6 in the LUNRI Guidebook prepared by the WC while serving as TBWP LUNRI Program Lead during Quarter 14 and by the COS (*see the enclosed LUNRI Guidebook, p. 5, or read the LUNRI Guidebook at [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org), Our Work, LUNRI*). The recommendation follows:

“Provide incentives for the protection/conservation of sensitive species habitat on public and private land: incentivize creation of habitat on fallowed lands without penalties. Rather than disking, encourage a natural cover crop that can provide habitat. Allow the land back into production without penalty under the federal or state law. Other land uses such as grazing should be considered.”

*Work Plan Objective #3, Natural Resources Conservation Service (NRCS) Drought Preparedness Program and ACEP-Wetland Reserve Easement:* Coordinate with NRCS to assist implementation of Wetland Reserve and other NRCS programs; identify and initiate additional wetland and riparian projects that can be funded by NRCS and that will increase drought response preparedness and resilience by increasing acreage of wetland and riparian areas.

PM, WC #1 and WC #1 Team: Identification and implementation of up to **three** projects that meet the stated objective and that are feasible for implementation within a twelve-month period.

Most significant accomplishment and outcome:

- The WC #1 and WC #1 Team reviewed TBWP CPL 2013 project concepts and NRCS funding opportunities as a basis for selection of project opportunities that could provide most immediate drought response benefit, resulting in the selection of the previously described SWSD-CRT 400-acre groundwater recharge/habitat enhancement project for highest priority focus by the WC #1 and WC#1 Team.

PM, WC #2: Identification and implementation of up to **four** projects that meet the stated objective and that are feasible for implementation within a twelve-month period.

Most significant accomplishment and outcome:

- The WC #2 worked with Dave Dunham, NRCS Fresno, to develop the above referenced Arroyo Pasajero Watershed Coordinator Grant application submitted to BOR/WaterSmart in June 2014, continuing Westside RCD capacity-building for future efforts in support of CPL 2013 Arroyo Pasajero Riparian Corridor and Wildlife Complex project concepts.

**4. Identify new funding obtained from the Grant Start Date through the end of the grant.**

- a) Grant proposals submitted.

Table 1: Grant proposals submitted throughout the grant

Program Name	Funding Entity & Type	Funding Source	Purpose	Requested Amount	Status	Award Amount	Award Date
Lawrence Foundation	P	General	Cash match support for WC operating costs	\$10,000	N	N/A	N/A
NRCS	F	WRP	Cash match support, funds Assistant WC functions in 2012	\$27,500	F	\$27,500	8/12/11
FWS Central Valley Joint Venture (CVJV)	F	Mig. Bird Prog.	Cash match support, operating costs, TBWI updated brochure	\$1,189.08	F	\$1,189.08	8/16/11
			Wetland Tour vans	\$675.00	F	\$675.00	3/30/12
Heller Charitable Foundation	P	Environment & Health	Cash match support, WC operating expenses	\$12,870	N	N/A	N/A
BLM-Bakersfield Regional Office	F	Healthy Lands Initiative	Cash match support, TBWI Web site, communications/outreach (TBWP-BLM Coop Agr'mnt increase)	\$27,000	F	\$27,000	8/17/11
Pacific Gas and Electric Company (PG&E)	P	Fresno Office Gov't Rel.s	Cash match support, WC operating expenses	\$3,000	F	\$3,000	7/21/11
Fresno Regional Foundation	P	Environment program	Cash match support, TBWI Web site, COS functions	\$7,700	N	N/A	N/A
Wick Kenny Foundation	P	Watershed	Cash match support, WC operating expenses	\$5,000	F	\$5,000	1/5/12
Southern Cal Edison (SCE)	P	Environment	Cash match support, WC operating expenses	\$5,000	F	\$2,500	1/12/12
Heller Charitable Foundation	P	Environment & Health	Cash match support, TBWI website	\$23,000	N	N/A	N/A
Constellation Energy Eco State	P	Environment	Cash match support, COS functions	\$5,000	N	N/A	N/A
NFWF/Wells Fargo	P	Healthy Communities	Pre-proposal for TBWI Website	\$45,000	N	N/A	N/A
NRCS	F	WRP	Cash match support, funds Assistant WC functions in 2013	\$27,500	F	\$27,500	8/8/12
PG&E	P	Fresno Gov't Rel.s	Cash match support, COS functions	\$5,000	F	\$5,000	8/11/12
S.D. Bechtel Fund	P	Environment & Water P	TBWI website upgrades and maintenance	\$62,000	P	N/A	N/A

BOR	F	CVPCP	Acquisition for Pixley NWR, SW Tulare Co Watershed Focus Area Additional funds	\$885,100	F F	\$448,000 \$200,000	5/5/13 9/15/13
BOR DFW	F F	CVPCP ESA Sec. 6	CRT-SWSD conservation easement	\$1.25M	P	N/A	N/A
Fresno Regional Foundation	P	Environ ment	DAC Roundtable support	\$15,000	N	N/A	N/A
Kenney Brothers Foundation	P	Watersh ed	Cash match support for WC operating expenses	\$5,000	F	\$5,000	12/12
Heller Foundation	P	Environ ment & Health	TBWI – Interactive Mapping	\$23,000	N	N/A	N/A
Roll Global Request	P	General	TBWI general supports	\$5,000	N	N/A	N/A
PG&E	P	Fresno Gov't Rel.s	Cash match, COS functions in support of TBWI/DAC	\$5,000	F	\$5,000	6/4/13
Southern Cal Edison (SCE)	P	Edison Int'l	Collaborating for Sustainable Solutions in Rural Communities Program	\$10,000	F	\$10,000	8/12/13
BLM	F	Coop, agr'mnt	Friends of Atwell Island Project	\$80,000	F	\$27,000	6/28/13
BLM	F	Coop agr'mnt Amd #1	Transition of Atwell Island Land retirement project	\$36,000	F	\$36,000	11/25/13
Carole Combs	P	Dona tion	Cash match support, TBWP/TBWI brochure reprint	\$1,095	F	\$1,095	4/11/13
NRCS Contrib Agreement	F	CA WRP	DOC TBWI match Jan –May 2014	\$18,000	N	N/A	N/A
CWF	P	Watersh ed	TBWI/WC June 2014 – May 2017; updated February 2014; WC Co-Share July '14 – June '15; 2 VNLC LOIs Aug & Oct '14 (Nov.'14-Nov.'15	(\$300,000) (\$138,600)  \$85,000	N	N/A	N/A
Fresno Regional Foundation	P	Environ ment	LUNRI program  Whole watershed outreach, advocacy	\$19,000  \$15,000	F  P	\$19,000  \$15,000	12/17/13  N/A
WRCD	P	General	CARCD conference registration & lodging	\$981.20	F	\$981.20	11/13- 16/13
William and Flora Hewlett Foundation Western	P	General	General TBWI Support	\$60,000	N	NA	NA

Conservation Program							
Heller Charitable Foundation	P	Environment	LUNRI program	\$17,500	N	NA	NA
CA DOC	S	Watershed	Drought Extension 5/19-11/18, 2014		F	\$49,999.50	5/8/14
<b>Cumulative Total</b>				<b>\$3,234,210.20</b>		<b>\$906,439.78</b>	

b) New non-grant funding obtained to date.

Table 2: New non-grant funding obtained throughout the grant					
Program Name	Funding Entity & Type	Funding Source	Purpose	Amount Received	Date Received
FWS CVJV	Grant Agr'mnt Mod.-F	Migratory Bird Program	Funded Conservation Strategy Group Consulting, September 2011- August 2012, assisted WC and Core Team with funding and project implementation strategies	\$36,000	8/11/11
RollGiving	Employee contrib-P	Olsen/Paramount Farms; MG	General Support	\$300	12/12
1% for the Planet/RollGiving	Employee contrib-P	Donation	General Support	\$400	1/13
TWS SJV Chapter Scott Vasquez	Contrib-P Contrib-P	Donation Donation	General Support General Support	\$250 \$25	1/13 4/7/14
Kings-Tulare CFC	P	Employee Contrib	General Support	\$122.98, \$69.04 \$56.48	10/12, 2/4/13 6/26/13
Fresno-Madera CFC	P	Employee Contrib	General Support	\$25.11 \$208.55	4/13 7/18/13
William Loudermilk, Conservation Solutions	P	TBWP Advisor	General Support	\$1,000.00 \$200.00 \$500.00	10/5/12 7/3/13 11/27/13
David Mitchell	P	TBWP BOD	General Support	\$100.00	7/18/13
Richard Moss	P	TBWP BOD	General Support	\$100.00	10/17/13
Thomas Stanton Robert Hansen	P P	TBWP BOD TBWP BOD	General Support General Support	\$100.00	11/27/13
Fresno-Madera CFC	P	Employee Contrib	General Support	\$124.72 \$133.21 \$24.82 \$134.48 \$99.43	10/28/13 2/7/14 4/7/14 8/11/14 10/27/14
Kings -Tulare CFC	P	Employee Contrib	General Support	\$55.23 \$71.13 \$8.45 \$56.49 \$61.96	10/31/13 2/7/14 5/5/14 7/2/14 10/16/14
<b>Cumulative Total</b>				<b>\$ 39,327.08</b>	

5. **Breakdown of all grant funding and other additional funding received during the entire 42-month grant period into the following categories (not counting other State bond-based funding):**

County & Other Local: \$ 981.20

State: \$ 0 (DOC Drought Extension \$49,999.50 not included)

Federal: \$ 830,864.08

Private: \$ 58,922.08

Total: \$ 889,786.16

6. **A list of all key partners involved with this grant follows:**

- County: Fresno County PW&P, Kings County CDA, Tulare County RMA; Tulare County Water Commission, Kings County Water Commission; Tulare County Supervisors Allen Ishida and Steve Worthley; Tulare County Stakeholder Oversight Advisory Committee; Fresno COG Greenprint; Westside RCD
- State: DOC, DWR, and DFW; Sierra Nevada Conservancy
- Federal: BLM, BOR, CVJV, FWS and NRCS; through the SS IRWMP and WCWG -- National Park Service/Sequoia and Kings Canyon National Park and US Forest Service/Sequoia and Sierra National Forests
- Private non-governmental organizations: Allensworth Progressive Association, American Farmland Trust, Community Water Center, Conservation Biology Institute, River Partners, Self-Help Enterprises, Sequoia Riverlands Trust, Sustainable Conservation, Tulare Basin Wetlands Association and Tulare Basin Wildlife Partners Board, Advisors and Team members
- Private corporate foundations: PG&E, SCE/Edison International, and Paramount Farms (RollGiving matching contributions)
- Private foundations: CWF, FRF, and Kenney Bros. Foundation
- Private for-profit corporations: Artis & Co.; Conservation Strategy Group, LLC; Pine, Pedroncelli & Aguilar; Provost and Pritchard Consulting Group; TKM Consulting, Inc.; and Vollmar Natural Lands Consulting, Inc.
- Tulare Basin IRWM groups: Kaweah Basin IRWM, Kern County IRWM, KBWA/Kings Basin IRWM JPA, Poso Creek IRWM, Tule River IRWMP, SS IRWMP and TB IRWMP
- Umbrella Groups: California Landscape Conservation Cooperative, Sierra Water Work Group, San Joaquin Valley Endangered Species Recovery Team, Southern Sierra Partnership, Tulare Basin Working Group, Tulare Basin Watershed Connections Working Group and Tulare County United Way
- Academic Institutions: California State University Fresno/California Water Institute, California State University Sacramento/Center for Collaborative Policy, University of California Davis/Information Center for the Environment and University of California Merced/Center for Climate Change Communications

7. **[Include final copies of outreach materials and other products created during the last quarter. Please include project photos with the final report (as we will use them in the report to the Legislature). Submit photos in digital format on a CD or a DVD. Please do not email large files (larger than 1 mb) to DOC staff. Do not submit grant proposals, sign-up sheets, monitoring data, etc.]**

Enclosed with the two hard copies of the Quarter 14 Final Report and three hard copies of the Quarter 14 Final Invoice are:

- Two hard copies of the LUNRI guidebook
- Two CDs with pdfs of the three major documents referenced:
  - (1) the VNLC Quarter 14 Report to the TBWP with photo of the CRT-SWSD project area;
  - (2) the TBWP News Update November 2014 with live links to the TBWP Conceptual Project List for TBWI and HSR 2013, TBWI COS-VNLC-UC Davis/ICE-Greenprint land use mapping composites, LUNRI program and WCWG information -- also on the TBWP website at [www.tularebasinwildlifepartners.org](http://www.tularebasinwildlifepartners.org) ; and
  - (3) the SS IRWMP Final Public Draft Plan.

We hope that readers of this Report will review the TBWI website at [www.tularebasinwatershed.org](http://www.tularebasinwatershed.org) and subscribe to the TBWI E-News, distributed bi-weekly by the COS and OA.

8. **[If applicable, describe any problems or setbacks related to the completion of the grant or the work plan.]**

As described in the Executive Summary, the lack of scoring incentives for inclusion of ecosystem benefits by IRWM groups in DWR Prop. 84 IRWM Implementation PSPs (Rounds 1 and 2) hindered the ability of the WC to include ecosystem benefit components in Tulare Basin IRWM group applications to DWR. This resulted in the funding of far fewer TBWP Conceptual Project List projects or project concepts than anticipated in the original DOC Watershed Grant Work Plan objectives submitted by the TBWP in its October 2010 application to the DOC Watershed Coordinator Program.

In contrast, the inclusion of clear scoring advantage for DAC projects in the DWR Prop 84 Implementation PSPs for Rounds 1 and 2 provided important opportunities for improved water supply and water quality for Tulare Basin DACs. The TB IRWM groups that included the strongest DAC-benefit components in their project applications fared best in terms of grant award success and award amount in Rounds 1 and 2.

As described in the Executive Summary, the TBWP-TBWI Team has repeatedly attempted to redress this situation. We expect improvement in future funding opportunities that will become available through DWR IRWM, California Water Action Plan, and the Prop 1 Water Bond.

9. **[Within 30 days of the end of the grant, submit two hard copies and one electronic copy of this completed final report to your assigned grant administrator. If you have questions, please contact your assigned DOC grant administrator.]**

Electronic copy of the Report sent December 1, 2014 to Kevin Peth, Grants Manager, DOC.

Two hard copies of the Report and three hard copies of the Invoice mailed to Kevin Peth on December 1, 2014.