

**THREE RIVERS LEVEE
IMPROVEMENT
AUTHORITY**

2011/12 Budget

Approved by the Board of Directors July 19, 2011



**Paul G. Brunner, P.E.
Executive Director**

**Revised
July 19, 2011**

**Three Rivers Levee Improvement Authority
(TRLIA) FY 2011/2012 Budget
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THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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July 19, 2011

To: Three Rivers Levee Improvement Authority Board
From: Paul G. Brunner, Executive Director
Re: Revised Budget for Fiscal Year 2011/12

Tremendous levee improvement success was achieved by the TRLIA team with the revenues that were provided by the State and Local Agencies that were approved in last year's TRLIA budget – the Major highlight was the completion of the Feather River Levee Improvement Project and the award of the Upper Yuba River Levee Improvement Project. I anticipate similar success to be achieved with the proposed expenses that are outlined in this year's Final TRLIA FY11/12 budget, which remains fully funded. This Final Budget has been revised and updated since the June 28, 2010 Proposed Budget to reflect updated actual expenses and revenues that have been incurred and received through the end of FY 10-11. This financial activity affects the carryover fund balance into FY 2010/11 and the associated budgeted expenditures and revenues.

The TRLIA Plan has always been to aggressively improve the levees along the Feather, Yuba, and Bear Rivers, and the Western Pacific Inceptor Canal to achieve 200-year flood protection for South Yuba County. All but the Upper Yuba River Levee Improvements from Simpson Lane up to the Goldfields Area have been completed in just seven years, and the focus for this next fiscal year will be to complete this work and then to certify these improvements to FEMA.

Described in this budget is an ambitious State and Local capital improvement program specifically aimed to enhance flood protection for Yuba County residents that reside in South Yuba County.

Thank you for the opportunity to submit this budget.

Sincerely,

Paul G. Brunner, P.E.
Executive Director

TRLIA Phased Program

In its entirety, the cost to complete the TRLIA Program is nearly \$400 million. There are four phases to this capital improvement program.

RD784

- Non TRLIA Levees (black): WPIC, and Bear River

TRLIA & RD784 Levees

- Phase 1 (red): Yuba River
- Phase 2 (green): Yuba River, Western Pacific Interceptor Canal (WPIC), and Bear River
- Phase 3 (purple): Bear River Setback
- Phase 4 (blue): Yuba River, and Feather River



The most critical flood control projects were prioritized and done first in order to rapidly reduce the risk of flooding to residents as quickly as possible. **All the levee improvements are designed and constructed to withstand flows from both 100-year (FEMA criteria) and 200-year Storms.** The following list is a breakdown and status of each of the Phases:

- **Phase 1** – Strengthened the existing Yuba River left (south) levee between Highway 70 and approximate Yuba River Project Levee Mile (PLM) 0.8. The work was funded by local funding. This work was completed in 2004 and received certification for FEMA from the Corps on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.
- **Phase 2** - Strengthened and raised the existing upper Bear River right (north) levee from about 200 feet downstream from Highway 70 to the WPIC right (west) levee, added a seepage berm to the existing Yuba River left (south) bank levee from the Western Pacific Railroad (WPRR) to Highway 70 and from Highway 70 to the Southern Pacific Railroad (SPRR), strengthened and raised the existing WPIC levees, relocated Pump Station No. 6, and constructed the Olivehurst detention basin and ring levee. The work was funded by Prop 13 and local funding and then, in 2010, the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. The Olivehurst detention basin was funded with FEMA and local funds. This work was completed in 2006 and received certification for FEMA from the Corps on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.

- **Phase 3** – Constructed the Bear River setback levee from the Feather River levee near Pump Station No. 2 to the west end of the Phase 2 Bear River levee work. This phase is referred to as the Bear River Setback Levee project (BRS�). Levee work was completed in 2006. A 600 acre Environmental Restoration Area was created as part of this project. TRLIA is the property owner of the 600 acres and is in the process of transferring ownership to the State. Maintenance of the Environmental Restoration area is ongoing. The work was funded by Prop 13 and local funding and then in 2010 the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. Corps certification for FEMA was received on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.

- **Phase 4** – consists of multiple projects on the Feather River and Yuba River:
 - **Phase 4 Feather** – This work is referred to as the Phase 4 Feather River Levee Repair Project (FRLRP) and consists of three segments as described below:
 - **Segment 1:** Below Star Bend, from the Bear River setback levee (PLM 13.3) to PLM 17.1 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms, relief wells, and monitoring wells. This work was completed in 2009 and was funded initially by local funding and then in March, 2010 the State approved reimbursing TRLIA for their share of the work with Prop 1E funds under a modified Feather EIP funding agreement. TRLIA completed 100-year certification for FEMA on May 5, 2010.

 - **Segment 2:** The levee is set back from Star Bend (FR PLM 17.1) to about one mile north of Murphy Road (FR PLM 23.6) – A new levee embankment and foundation seepage mitigation was constructed consisting of cutoff walls, stability berms, relief wells, and monitoring wells. The work included degrading the existing Segment 2 levee and the purchase/creation of an expanded 1600 acre floodway along the Feather River. TRLIA is the property owner of the 1600 acres and is in the process of transferring ownership to the State. The new Setback levee replaced the portion of levee that broke in 1997. Construction of the Setback levee began in 2008 and was completed in 2009. Degrade of the existing Segment 2 levee will be completed in 2010. Maintenance of the 1600 area expanded floodway is ongoing. The work was funded by Prop 1E EIP and local funding. TRLIA completed 100-year certification for FEMA on May 5, 2010.

 - **Segment 3:** From Feather River PLM 23.6 to PLM 26.1 and from Yuba River PLM 0.0 to the WPRR crossing at about PLM 0.3 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms and monitoring wells; and levee freeboard mitigation. This work was completed in 2009 and was funded by Prop 1E EIP and local funding. TRLIA completed 100-year certification for FEMA on May 5, 2010.

- ***Phase 4 Yuba*** – The first portion of Phase 4 Yuba included strengthening the existing Yuba River left bank levee above the UPRR crossing to Simpson Lane and adding a seepage berm adjacent to the UPRR crossing. This work was completed in 2006 and was funded initially by local funding and then in 2010 the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. 100-year certification for FEMA from the Corps was received on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.
- ***Phase 4 Yuba (Highway 70 to the UPRR)*** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Waterside Slope Flattening Project and was funded by Prop 1E EIP and local funding. This work was done to achieve 200-year flood protection. The work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection from Highway 70 upstream to the Yuba Goldfield. This work was completed in 2009. See figure 2 for location.
- ***Phase 4 Yuba (Simpson Lane up to the Goldfields west boundary)*** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Remaining Work Project and is funded by Prop 1E EIP and local funding. The work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection. This work began in 2011 and is scheduled to be completed by October 2011. Once completed TRLIA will certify this segment of levee and submit to FEMA for inclusion into present FEMA system wide levee Accreditation. In late 2010 the FEMA Provisionally Accredited Levee (PAL) status for this segment of Levee ended. The completion of this segment of levee and TRLIA certification to FEMA is critical for the levee system retain the current FEMA Accreditation. See Figure 2 for location.

Figure 2 – Upper Yuba River Levee Improvement Project



Key highlights from Fiscal Year 2010-2011:

- Completion of the Feather River Setback Levee Degradation and remaining construction activities.
- Completion of the Feather River Land Acquisitions for the Setback Area.
- The Sacramento Section of the American Society of Civil Engineers (ASCE) awarded its “2010 Outstanding Flood Management Award” to the Three Rivers Levee Improvement Authority for its Feather River Setback Levee.
- CVFPB approval of encroachment permits for the Feather River Elderberry Mitigation Site; Feather River Vegetated Wind Wave Buffer; UYLIP Construction Project; and UYLIP Anderson Elderberry Mitigation Site.
- Approval of the USACE 408 Authorization for the Upper Yuba Levee Improvement EIP Project (UYLIP).
- Assistant Secretary of Army – Civil Works denial of UYLIP 104 Credit request. Two basic reasons for denial: 1) Yuba Basin Plan has too many unused credits with no proposed projects to use the unassigned credits; 2) USACE has now stopped issuing 104 credits in lieu of Section 2003 Credits.

- USACE Approval of Section 2003 MOA for UYLIP construction project.
- Award of the UYLIP Project and commencement of construction work.
- TRLIA continued securing right-of-way for the UYLIP to meet state regulations requiring 50-feet of land on the landside of the levee for flood fighting and maintenance access. TRLIA is engaged in negotiations with impacted property owners to secure the right-of-way as required by state law.
- TRLIA approved a revised Real Estate plan to include the acquisition of a landside levee toe-access corridor along Segments 1 and 3 of the Feather River as well as the WPIC, Upper Bear and Yuba Phase 2 and commenced the process of acquiring this land.
- TRIA submitted an application for funding of \$9.6 million for Phase II of the Three Rivers Flood Corridor Project through DWR's Prop 1E Flood Protection Corridor Program. Phase II of that project would realize the complete flood risk reduction benefits and create 720 acres of native wildlife habitat compatible with seasonal flooding. Phase II would also provide for recreational amenities in the Feather River Setback area and set aside an endowment for the long term operations and maintenance of the area.
- Hydraulic Analysis to support the evaluation of alternatives for the Goldfields Area commenced.

Comparison of FY10/11 Budget items to Actual Revenues & Expenses:

The key difference between budgeted actual expenses and revenues is planned UYLIP Construction work in 2010.

FY 10/11 Comparison of Budgeted to Actual Expenditures

<u>ACCOUNT NUMBER</u>	<u>ACCOUNT DESCRIPTION</u>	<u>FY 10/11 Budget</u>	<u>FY 10/11 Actuals</u> ^{1/}
805-3350-425.15-00	INSURANCE	286,827	286,827
805-3350-425.20-00	MEMBERSHIP	10,800	10,305
805-3350-425.23-01	SPECIAL PROJECTS	46,136, 126	18,523,083
805-3350-425.23-02	PROFESSIONAL SERVICES	583,000	484,509
805-3350-425.29-00	TRAVEL	20,000	11,719
TOTAL		47,036,753	19,316,443

1/ Actual costs represent costs incurred through May 31, 2011.

FY 10/11 Comparison of Budgeted to Actual Revenues

<u>ACCOUNT NUMBER</u>	<u>ACCOUNT DESCRIPTION</u>	<u>FY 10/11 Budget</u>	<u>FY 10/11 Actuals</u> ^{1/}
805-0000-361.62-36	PROP 12 (DWR PHASES 2 & 3)	538,858	198,881
805-3350-425.90-00	PROP 1E STATE-SHARE	32,153,527	9,149,961
805-0000-361.62-50	PROP 1E CREDITED LOCAL SHARE (YUBA)	5,901,926	2,989,583
805-0000-361.62-51	PROP 1E CREDITED LOCAL SHARE (FEATHER)	823,208	1,035,241
805-0000-371.98-99	MISCELLANEOUS REVENUE	0	201,831
805-0000-311.07-00	NET FUNDING DISTRICT REVENUE (ADMIN)	26,000	0
TOTAL		39,443,519	13,582,498

1/ Actual revenues represent revenues received through May 31, 2011.

Key highlights that the 2011-12 TRLIA Budget accomplishes:

- Completion of Feather River Vegetated Wind Wave Buffer
- Completion of the work proposed for the Upper Yuba River levee between Simpson Lane and Goldfields Area.
- Acquisition of Landside Levee Toe Access Corridor's for the Feather River Segments 1 and 3, WPIC, and Upper Bear.
- Major progress in the acquisition of the Landside Levee Toe Access Corridor for the Phase 2 Yuba.
- Completion of the FEMA Certification Addendum for the Upper Yuba River levee work between Simpson Lane and Goldfields Area
- Completion of TRLIA's review of levee improvements to date against DWR's new 200-year Interim Levee Criteria Guidance (Version 4).

- TRLIA initial's analysis of what is needed for to complete the 200-year Compliance Determination for Senate Bill 5.
- Provides funding for an Alternatives Analysis should the hydraulic analysis being done for the Goldfields Area result in 100 or 200-year flooding concerns for south Yuba County.
- The commencement of TRLIA's Flood Protection Corridor Program project based upon approval the EIP FPCP Grant application.
- Provides funding to close-out TRLIA's Feather River Levee Improvement Project and Upper Yuba Levee Improvement Project.
- Establish Mitigation Endowment and Transfer the Bear River Setback Area property to the State
- Establish Mitigation Endowment and Transfer the Feather River Setback Area property to the State
- Transfer Feather River and UYLIP levee EIP improvement right of way to State.

Projected Overall Cost and Schedule of the TRLIA Program:

Below is a table that outlines the anticipated program cost by Phase.

OVERALL PROGRAM COSTS BY PHASE

<u>COMPONENT</u>	<u>COSTS</u>
PHASE 1	\$ 3,982,286
PHASE 2	41,137,194
PHASE 3	60,667,109
PHASE 4 (YUBA)	14,671,359
PHASE 4 (UPPER YUBA)	29,000,000
PHASE 4 (FEATHER SEGMENT 1)	15,167,669
PHASE 4 (FEATHER SEGMENT 2)	158,754,554
PHASE 4 (FEATHER SEGMENT 3)	14,903,847
PHASE 4 (UYLIP – Goldfields Actions)	TBD
PHASE 4 (FEATHER FLOOD CORRIDOR)	9,248,904
OLIVEHURST DETENTION BASIN	6,983,926
INTERIM O&M	523,959
TRLIA OVERHEAD & ADMIN 1\	19,174,292
TOTAL	\$ 374,215,099 + TBD

TRLIA's Overall Project Costs has decreased from the estimate provided in prior year budgets primarily due to a decrease in the projected costs of the Phase 4 (Upper Yuba) component of the program. TRLIA has realized a savings of approximately \$31,000,000 from the original engineer's estimate based upon limited engineering data to the final design and award of the construction contract. Additional Project savings have been realized on the Phase 4 Feather River project as a result lower than expected real estate acquisition costs. However, these savings may be offset once the hydraulic analysis for the Goldfields Area is completed in 2011. Finally, the Feather River Flood Corridor Project has been added to the Overall Program Costs given TRLIA's submission of a Flood Corridor Program grant application.

TRLIA Construction Schedule by Phase is depicted on Figure 3. TRLIA expects to complete construction of currently known projects during calendar year 2011.

Figure 4 is a graphic of the Goldfields area where the hydraulic analysis is being conducted.

Figure 5 is a graphic showing where the proposed TRLIA Feather River Corridor Project is located.

Figure 3 - TRLIA Construction Schedule by Phase

PHASE 4 LEVEE IMPROVEMENTS (2011)

- Complete construction of Yuba River Levee strengthen-in-place construction between Simpson Lane and Goldfields area (approximately 4 miles)
- Levee system certification and FEMA Accreditation – TRLIA project complete

PHASE 4 LEVEE IMPROVEMENTS (2010)

- Begin Yuba River Levee strengthen-in-place construction between Simpson Lane and Goldfields area (approximately 4 miles)
- Complete degrade of existing Feather River Levee, and farming/environmental areas in setback
- Levee certification with FEMA PAL (between Simpson Lane and Goldfields) and FEMA Accreditation

PHASE 4 LEVEE IMPROVEMENTS (2009)

- Complete construction of Feather River Setback Levee
- Degrade/removal of existing Feather River Levee replaced by setback and fill soil borrow sites
- Yuba River Levee between Hwy 70 & UPRR slope flattening work to achieve 200-year flood protection goal
- Begin creation of farming/environmental areas (includes floodplain swale to mitigate potential fish stranding)
- Placement of rip rap along Feather River Levee at Yuba River confluence (Erosion Site 2)
- Repair of Feather River Levee segment crack
- TRLIA O&M Benefit Assessment District Approved

PHASE 4 LEVEE IMPROVEMENTS (2008)

- Acquisition of approximately 1,600 acres for Feather River Setback Levee
- Execution of State Prop 1E/TRLIA Feather River funding agreement
- Feather River strengthen-in-place improvements from Bear River to Star Bend (Segment 1) – completed
- Began construction of new Feather River Setback Levee (approximately six miles long) foundation, embankment and levee tie-ins
- Feather River strengthen-in-place improvements from Shanghai Bend to Yuba River (Segment 3) – completed

PHASE 4 LEVEE IMPROVEMENTS (2007)

- TRLIA Board adopts Feather River Setback Levee Alternative February 6, 2007
- Yuba Levee (NE corner of UPRR & Levee intersection: Constructed seepage berm and installed two monitoring wells)
- Feather River levee strengthen-in-place river improvements begun between Shanghai Bend and Yuba River (Segment 3)

PHASE 4 LEVEE IMPROVEMENTS (2006)

- Yuba Levee: Cutoff wall between the UPRR and Simpson Lane to protect against underseepage

PHASE 3 LEVEE IMPROVEMENTS (2006/2007)

- Environmental restoration of setback area and existing Bear River floodway

PHASE 3 LEVEE IMPROVEMENTS (2006)

- Demolition of existing homes and structures within the setback levee area, clearing and grubbing of remaining trees
- Construction of setback levee embankment (approx. 2 miles) and installation of approximately 18 relief wells
- Removal of portions of the existing Bear and Feather River Levees
- Construction of a floodplain swale to mitigate for potential fish stranding

PHASE 3 LEVEE IMPROVEMENTS (2005)

- Clearing, grubbing, and stripping of setback levee foundation
- Excavation and backfilling of approximately 9,500 feet of inspection trench
- Construction of approximately 9,500 feet (430,000 square feet) of soil-bentonite slurry cutoff wall
- Construction of setback levee tie-in embankment with existing Feather River Levee and installation of two relief wells
- Investigation of three archeological areas revealed during construction

PHASE 2 LEVEE IMPROVEMENTS (2006)

- Olivehurst Detention Basin: Ring Levee between SR-70 and the Clark Lateral Levee
- WPIC Levee: Levee crown raise to provide adequate freeboard
- Lower Bear Levee: Levee crown raise to provide adequate freeboard and a waterside impervious zone to prevent throughseepage. Pump Station No. 6 removal and a new set back pump station to protect against underseepage at the Algodon Canal. Tie-in for the Bear River setback levee

PHASE 2 LEVEE IMPROVEMENTS (2005)

- Yuba Levee: 90 – and 300-foot wide landside seepage berms to protect against underseepage
- Olivehurst Detention Basin: New detention pond adjacent to the Clark Lateral Canal and a new pump station
- Upper WPIC Levee: 500-foot long, 38-foot deep slurry cutoff wall and an 1,100-foot long, 44-foot deep slurry cutoff wall to minimize underseepage at Plumas Lake
- Lower WPIC Levee: Landside toe ditch filled to provide protection against underseepage
- Upper Bear Levee: Reconstruction of 300 feet of levee; rock slope protection at confluence with WPIC to provide erosion protection

PHASE 1 LEVEE IMPROVEMENTS (2004)

- Yuba Levee: 2,200-foot long, 50-foot deep slurry wall to provide a cutoff of underseepage



Figure 4 - Goldfields Area

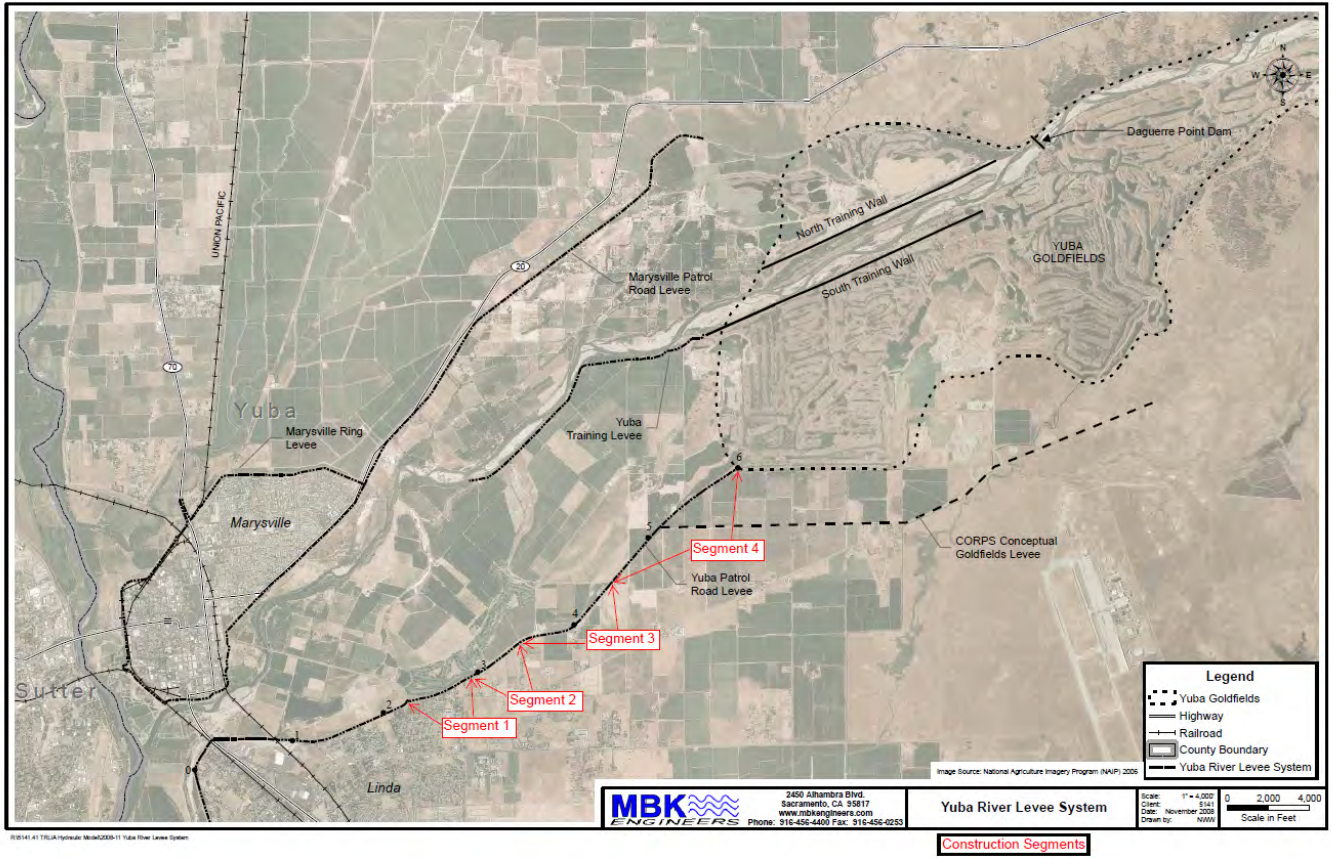
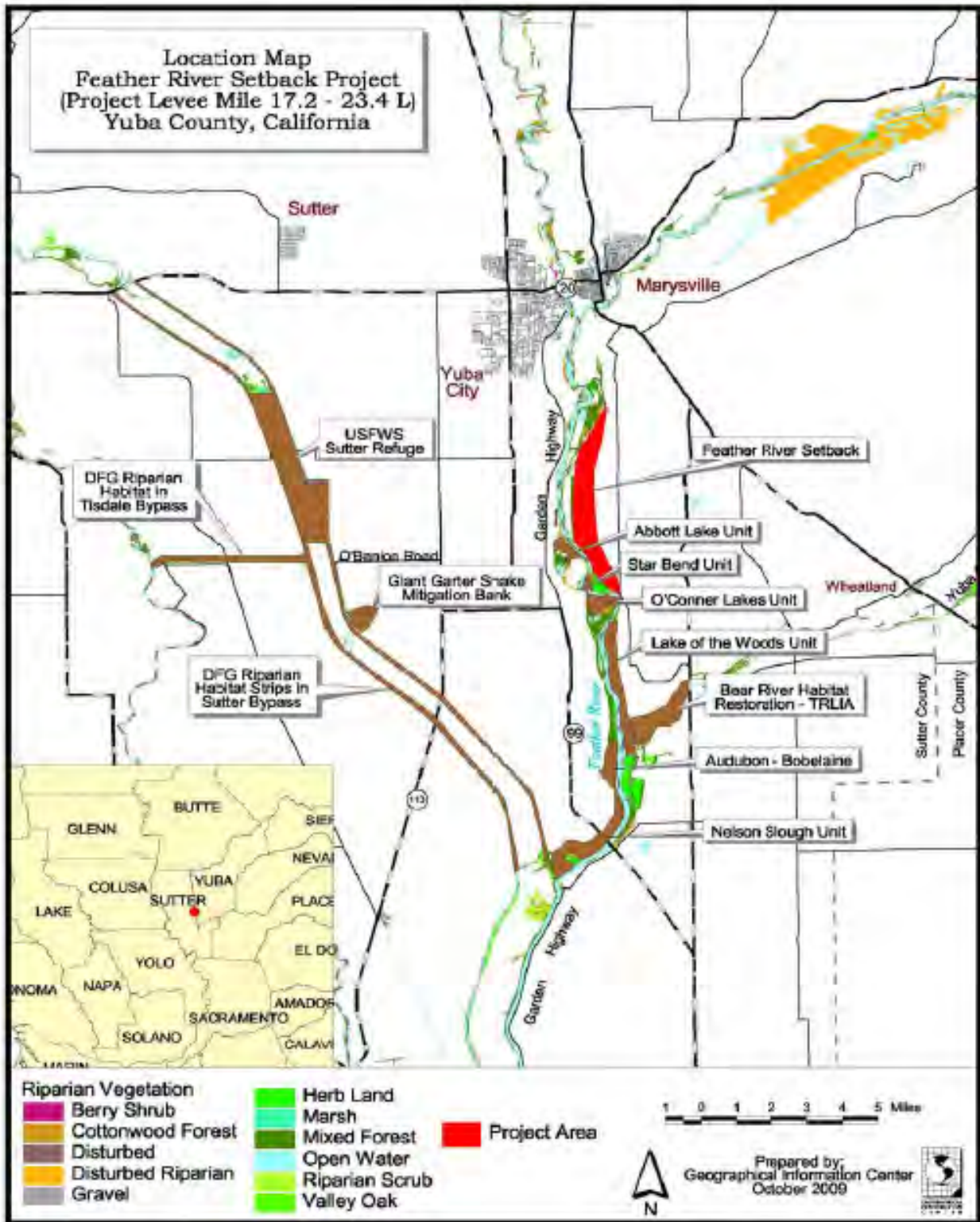


Figure 5 - TRLIA Feather River Corridor Project



TRLIA Revenues:

- **TRLIA General Fund No. 805:**

This is the fund that developer money, State Proposition 13 reimbursements, levee impact fees, State Proposition 1E credit payments, and other miscellaneous revenues are deposited into. This is also the fund that all TRLIA payments are made from. Fund Nos. 810, 811, 813, 816, 817, and 818 transfer money to Fund No. 805 to pay project and administrative expenses.

- **State Proposition 1E Early Implementation Program (EIP) funding Agreements – Funds 816 and 817:**

TRLIA currently has two funding agreements:

- Modified Feather River EIP Agreement total project cost \$200.5 million (State Share \$154.8 million) – Modified Funding Agreement Approved by DGS March 25, 2010. The State Share of expenses for this project advanced to TRLIA is deposited to Fund No. 816. Once eligible expenses are paid from fund 805, the State share of the expense is transferred from fund 816 into 805.
- Upper Yuba River EIP Agreement total project cost are approved up to \$67.8 million of which \$7.7 million is prior work (State share \$47.4 million). However, the project costs have ultimately come in much lower based upon actual construction bids received after the completed design. The revised project costs which have been submitted to the State through the Work Plan Budgeting process now total \$28.4 million. The State Share of expenses for this project advanced to TRLIA is deposited to Fund No. 817. Once eligible expenses are paid from fund 805, the State share of the expense is transferred from fund 817 into 805.

- **Yuba Levee Finance Authority Bond Revenues – Fund No. 813:**

On July 22, 2008, YCWA and Yuba County formed the Yuba Levee Finance Authority (YLFA) as the entity to effectuate the borrowing contemplated in the local funding agreement. On September 23, 2008, the YLFA closed on bonds sales to yield \$46.6 million in project proceeds. To date, \$39,576,531 of the proceeds have been authorized and drawn down for the project.

- **TRLIA Benefit Assessment District – Fund No. 818:**

On June 2, 2009 the TRLIA Board adopted a resolution to form the Benefit Assessment District to pay for the additional long-term maintenance and operation costs on the 29 miles of improved levees. The FY10/11 budget for the Assessment District was approximately \$800,000. For the FY 10/11 year, the revenues deposited into Fund No. 818 (net of County related expenses) were \$805,574.50. Some of these revenues represented prior FY 09/10 late collections. The revenues were distributed as follows:

- RD784 for Levee Maintenance: \$ 789,574.50
- TRLIA for Administrative Expenses: \$16,000

It is anticipated that the TRLIA Board will approve the FY11/12 collection of Levee O&M assessments at the June 28, 2011 TRLIA Board meeting . The base amount of assessments with no escalation is \$835,155.30. Escalation of this amount based upon increases in the Consumer Price Index is subject to board discretion.

- **Levee Impact Fees – Fund No. 803:**

Pursuant to Yuba County Ordinance No. 1465 adopted on November 18, 2008 (effective January 17, 2009) Yuba County collects Levee Impact Fees from building permits to help pay for the local share of costs of levee improvements being made by TRLIA. Fee revenue collected by the County is used to service and retire the bonds issued by YLFA. TRLIA no longer receives any revenue from this fund. In the future, TRLIA will need to work with the County to update the levee impact fee nexus study to reflect the costs of the improvement program, the associated financing costs incurred by the County & YLFA, as well as any updated development projections in the benefit area.

- **TRLIA Community Facility Districts (CFD) – Fund No.’s 810 and 811:**

TRLIA collects revenues from two CFD’s that were created in April 2007 by the landowners that were developing property in the area benefited by the TRLIA levee improvement program. The CFD’s are called “TRLIA CFD 2006-1 (South County Area)” (Fund No. 810); and “TRLIA CFD 2006-2 (South County Overlay District)” (Fund No. 811). The special taxes levied by these CFD’s provide funding to the landowners developing the property in order to pay the Levee Impact Fee obligations imposed by County Ordinance No. 1465. TRLIA has issued CFD’s Bonds and the special taxes collected by the CFD’s are either being used to fund remaining fee obligations of the developers or redeem outstanding bonds. Funds collected to pay remaining fee obligations are transferred to YLFA in lieu of fee collections.

In FY10/11 the CFD’s levied:

- 2006-1: \$400,299.96, and collected \$395,271.69 (net of Auditor Controller Expenses). A portion of this collection will be used to pay TRLIA administrative expenses, the remaining funds will be used to advance levee fees and retire outstanding bond debt.
- 2006-2: \$85,098.54, and collected \$ 84,138.96 (net of Auditor Controller Expenses). A portion will be used to pay TRLIA administrative expenses, the remaining funds will be used to advance levee fees and retire outstanding bond debt.

For FY 2011-12, the following Special Taxes are proposed to be levied:

- For TRLIA CFD 2006-1, 442 Single Family residential parcels will be levied a total of \$412,974.90. The individual annual taxes will range between \$471 and \$1,556 depending upon the Builder of the unit.
- For TRLIA CFD 2006-2, 119 Single Family residential parcels will be levied a total of \$86,800.86. The individual annual taxes will range between \$526 and \$2,198 depending upon the Builder of the unit.

Other TRLIA Budget Items of Note:

- **Environmental Escrow Accounts:**

TRLIA has established two Environmental Escrow Accounts to pay for Corps of Engineers 404 permit requirements:

- Bear River Setback Area: The 404 permit requires TRLIA to create an endowment large enough to continually pay for long term monitoring and maintenance of the Setback Area. The approved initial amount per the Property Analysis Record is \$2,141,695. This amount has been placed into the escrow account and is generating interest. Once the property has been transferred (anticipated in 2011) to the State, and the State has identified a nonprofit 3rd party organization to maintain the area, TRLIA will execute a contract with the 3rd party organization. The estimated annual cost of the maintenance contract is \$88,115 (subject to timing and inflationary adjustments).
- Feather River Wetlands and Drainage Swale Area: The 404 permit requires TRLIA to do the following items:
 - ✓ Obtain a performance bond that could be used to fix the Wetlands and Drainage Swale Areas should they not meet the 3 year performance criteria. The performance period is anticipated to end in 2014. The approved bond amount is \$220,286, which has been deposited into the escrow account.
 - ✓ Create an endowment large enough to continually pay for long term monitoring and maintenance of the Wetlands and Drainage Swale Areas. The approved initial amount is \$430,289. This amount has been placed into the escrow account and is drawing interest. Once the property has been transferred to the State (anticipated in 2012), and the State has identified a nonprofit 3rd party organization to maintain the area, TRLIA will execute a contract with the 3rd party organization. The yearly cost of the contract is estimated to be approximately \$20,000.

- **TRLIA Flood Protection Corridor EIP Application:**

TRLIA submitted an application for \$9,548,904 of funding through the Flood Protection Corridor Program funded by Prop 1E. This request was for funding 100% of the project costs based upon the cost sharing guidelines that concluded TRLIA should be eligible for 100% State cost sharing due the benefit area's status as a Severely Disadvantaged Community. The program would fund the Restoration of 720 Acres of Riparian Habitat and approximately \$891,000 of recreational improvements in the Feather River Setback area as well as long term O&M endowment. In addition, TRLIA has identified a plan that will incorporate the long term endowments listed in the prior section into a comprehensive operations and maintenance program to provide for the ongoing costs of maintaining the proposed enhanced corridor and link the areas to the Bear River Setback Levee. If the TRLIA Flood Protection Corridor grant application is approved, the details of this financing arrangement will be worked through and further developed. TRLIA will have a determination on the funding for this grant with the first quarter of FY 11/12. As noted above, this budget, assumes TRLIA is awarded the grant and commences work this FY.

- **Levee and Levee Toe-Access Corridor Land Acquisition**

On February 1 and February 15, 2010, the TRLIA Board approved a new Real Estate Plan and adopted an amended budget for FY 2010/11 to provide appropriations for the support and acquisition of a Toe –Access Corridor along the Feather Segments 1 & 3, Upper Bear and WPIC, and Lower Yuba (Hwy 70 to Simpson Lane). This work is required as part of the encroachment permits associated with that prior completed work by TRLIA. TRLIA expects to complete most

of this work as part of this year's budget, with work along the Yuba River extending into next years budget

- **TRLIA Memberships:**

TRLIA belongs to the California Central Valley Flood Control Association, Butte-Yuba-Sutter Water Quality Coalition, and the Floodplain Management Association. This budget includes TRLIA maintaining these memberships.

- **TRLIA Outreach:**

It is anticipated that due to TRLIA's success in quickly completing the RD784 levee major levee improvements and achieving FEMA levee system accreditation, that TRLIA staff and Directors will continue to be asked to share how it was all done. The outreach effort could lead to new business opportunities for Yuba County. The FY 2010/11 budget included \$100,000 for this effort and that effort was not completed. This budget proposes to carry over the prior year budget to continue this effort.

- **Evaluation of Interim Levee Design Criteria and 200-Year Compliance Determination**

As part of DWR's implementation of SB 5, DWR provided new Interim Levee Design Criteria in December of 2010 that provide guidance on the design of levees protecting urban areas and requirements for 200-Year protection. Since February of 2011, TRLIA has been performing a comprehensive analysis of the work it has completed in order to ensure that the 200-Year Criteria that TRLIA has used to implement its projects complies with the new criteria promulgated by DWR. The County, in order to comply with the requirements of SB-5 and move forward with development plans in the area will need to demonstrate how it can provide the required urban level of flood protection. TRLIA has started this work and its design consultants are working to implement the approach board approved in February of 2010. TRLIA plans to complete this work by the end of FY 2011/12. If it is determined that the work previously completed by TRLIA does not meet the new criteria developed by DWR, then work implementing any needed modifications to the levees will be implemented in FY 2012/13.

- **Goldfields**

The Corps of Engineers presented their hydraulic analysis and findings for the Goldfields area at the March 2010 CVFPB meeting. The key points from the presentation were:

1) 100 year storm event: The Corps' has concluded that the Goldfields do not represent a risk from flooding for the 100 year storm event. 2) 200 year storm event: The Corps hydraulic model for the 200 year storm event shows flow coming out of the Goldfields area above the RD784 Patrol Road levee. This overflow results in shallow overland flow and impacts portions of East and West Linda, Olivehurst, and Arboga. 3) TRLIA initiated a hydraulic study in 2010 to better define the risk of flooding from the Goldfields. The purpose of this effort is to reaffirm the Corps' conclusions for the 100 year event and to conduct a more detailed evaluation of the flood risk at the 200 year flood event. The TRLIA analysis continues into 2011 and is anticipated to be available by August/September 2011. TRLIA originally budgeted \$150,000 in 2010/11 to perform an Alternative Analysis to better define options for the 200-year storm event and with this 11/12 budget is continuing this effort in this budget. TRLIA has been able to incorporate a portion of these efforts into the respective EIP projects and cost share with the State on these efforts as part of the 200-Year compliance determination discussed above.

- **TRLIA Prior Year Funds**

In order to cover the nearly \$400 million of costs of TRLIA's levee improvement program, TRLIA has had various sources of funding. These funds can be categorized into two major categories, Non-Local Funding and Local Funding.

Non-Local Funding can be summarized as follows:

- State Funding through the Department of Water Resources
 - Has come in two forms Prop 13 Grants and Proposition 1E EIP Project funding agreements.
- State Funding through the Department of Fish & Game
 - Has come through two separate Prop 13 Grants
- Federal Funding through FEMA for the Olivehurst Detention Basin

Local Funding can be summarized as follows:

- Advanced Three Rivers Levee Impact Fees
 - From various agreements with developers in Plumas Lake
 - From the borrowing by the County and YCWA (jointly YLFA) to advance fees to specifically cover Phase 4 costs
- Advances from RD 784 for work done by TRLIA on RD 784 pump station facilities and later reimbursements if costs exceed initial advancement
- Revenues from the TRLIA Assessment District to cover the direct costs of administering the Assessment District
- Income from Feather Setback Farming leases
- Interest earned on cash balances

As TRLIA's levee improvement program progressed over time, the timing of the above funding being made available to TRLIA to cover current project related varied. In general, TRLIA's local funding sources from Advanced Three Rivers Levee Fees came sooner than State Funding through Prop 13 and Prop 1E. Essentially, in order to complete the project in an aggressive time frame and cash flow the program, TRLIA needed to use Local Funding from the Advanced Three Rivers Levee fees received from Developers and YLFA to cover not only the local share of the costs of the various project, but ultimately the State's share of those costs as well. As time has passed, TRLIA has received reimbursements from the State through Prop 13 as well as payments through the EIP funding agreements thus recovering those Local Funding sources. This funding has come in the form of Credits for the state share of applicable prior work as outlined in both the (Feather and Upper Yuba) Prop 1E funding agreements.

As TRLIA's program progresses and the State funded portions of TRLIA's projects come to a close and all final reimbursements from the State are received, TRLIA will rely on those reimbursements that represent previously advanced local funds to complete its mission of providing 200-Year flood protection for the South County.

As noted above, there are two sources of Advanced Three Rivers Levee Impact Fees. Various funding agreements and funding districts (CFD's) were implemented by TRLIA between 2004

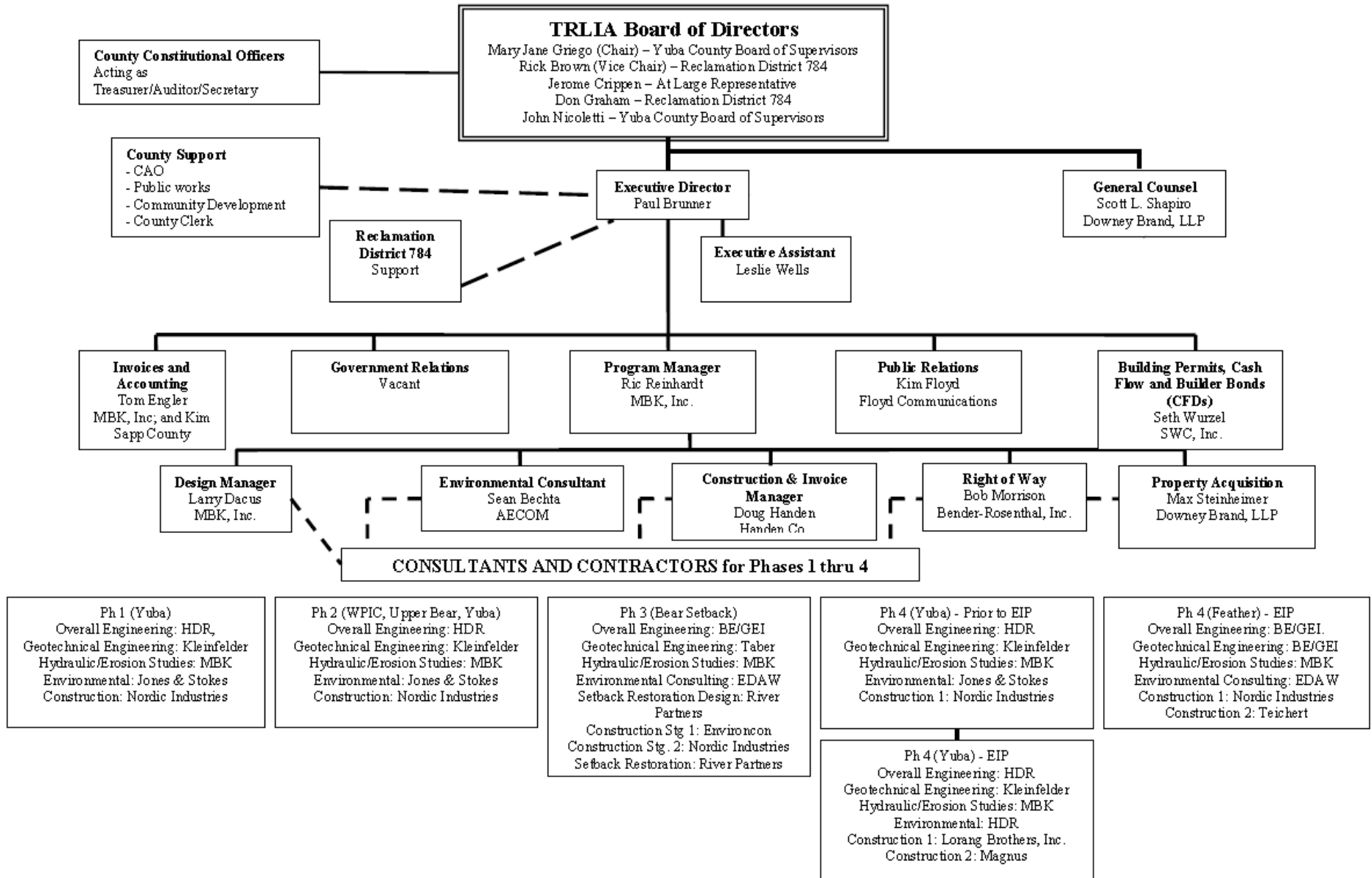
and 2008 with local land developers. The money advanced through those agreements TRLIA refers to as “Prior Year Funds.” In 2008, the Yuba Levee Finance Authority executed its borrowing to provide funding specifically for the local costs of Phase 4 Improvements. In doing this, the YLFA would now receive all Levee Impact Fees in order to pay off this borrowing. To provide an estimate of the current balance of “Prior Year Funds,” so that TRLIA can allocate this funding to specific activities, TRLIA has reviewed its expenditures to date associated with Phase 4 activities and determined the local responsibility for those expenditures, and compared this amount to the funding provided by YLFA to date. Any funding received by TRLIA to date making up its current balance within its 805 fund net of any excess amount provided by YLFA would constitute “Prior Local Funding.” The Table below shows the total local share of the Phase 4 EIP project costs and the total amount of funds advanced by the YLFA to date.

Total Local Share of EIP Costs to Date

FRLIP Local Share of Costs	
<i>Segment 2 Non-Real Estate</i>	\$19,171,229
<i>Segment 2 Real Estate</i>	\$6,923,167
<i>Segment 3</i>	\$3,590,166
<i>Segment 1</i>	\$3,793,772
<i>Overhead</i>	<u>\$1,259,521</u>
Subtotal FRLIP Local Costs	\$34,737,856
Upper Yuba Local Costs	\$3,047,925
TOTAL	\$37,785,781
Total Funding from YLFA Provided to Date	\$39,576,531
Difference	\$1,790,751

Thus far, YLFA has provided \$1,790,751 more than the local share of Phase 4 EIP project costs to date. TRLIA still has the bulk of the Phase 4 Yuba costs to incur which would represent approximately \$16,000,000 of additional costs (approximately \$4.8 million of local costs). Thus, the difference of \$1.79 million to date will be erased. At this time TRLIA has opted not to ask for additional YLFA funds (and hold them in reserve for emergencies) and manage the balance of the Phase 4 program with the remaining prior year funds. Given these facts, TRLIA’s cash balances after the completion of enough the Phase IV Yuba project work to erase the difference above will represent all “Prior Year Funds” and not represent any funds from YLFA dedicated solely for Phase 4 activities. TRLIA will rely on the Prior Year funds to complete its mission of providing 200-Year flood protection for the South County.

Three Rivers Levee Improvement Authority (Joint Powers Authority) Organization Chart



**TRLIA
FISCAL YEAR 2011-2012 BUDGET**

**BUDGETED ESTIMATED EXPENDITURE SUMMARY
1/**

<u>ACCOUNT NUMBER</u>	<u>ACCOUNT DESCRIPTION</u>	<u>REQUEST 2011 - 2012</u>
805-3350-425.15-00	INSURANCE	315,510
805-3350-425.20-00	MEMBERSHIP	10,800
805-3350-425.23-01	SPECIAL PROJECTS	22,056,827 /1
	TRLIA Phase 2 Levee Repair	1,234,968
	TRLIA Phase 3 Levee Repair	299,560
	TRLIA Phase 4 Upper Yuba Levee Repair	14,162,703
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	760,907
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	1,993,070
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	1,461,929
	Gold Fields Technical Analysis	363,768
	Feather River Flood Corridor Protection Project	1,779,923
805-3350-425.23-02	PROFESSIONAL SERVICES	570,100
805-3350-425.23-01	TRLIA FUNDING DISTRICT ADMIN.	26,000 /2
805-3350-425.23-01	TRLIA OUTREACH	50,000 /3
805-3350-425.29-00	TRAVEL	16,000 /4
TOTAL		23,045,237

ESTIMATED REVENUE 1/

<u>ACCOUNT NUMBER</u>	<u>REVENUE SOURCE</u>	<u>AMOUNT 2011 - 2012</u>
805-3350-425.90-00	PROP 1E Yuba - State Share (Advances & Retention)	9,653,217 /5
805-0000-361.62-50	PROP 1E Yuba - Credited Local Share	1,555,624 /6
805-3350-425.90-00	PROP 1E Feather - State Share (Advances & Retention)	8,785,304 /7
805-0000-361.62-51	PROP 1E Feather - Credited Local Share	0 /6
805-0000-TBD	PROP 1E FPCP Grant Funding	906,414 /8
805-0000-371.98-99	Bear River Endowment Ecosystem Restoration Funding	0
805-0000-371.98-99	COUNTY/YCWA JOINT FINANCING	0 /9
805-0000-311.07-00	NET FUNDING DISTRICT REVENUE (ADMIN)	26,000 /10
TOTAL		20,926,559

ESTIMATED FUND BALANCES (FY 11/12)

805-0000-101.01-00	STARTING FUND BALANCE (CARRYOVER FROM 10/11)	7,718,402
	PLUS Revenues	20,926,559
	LESS Expenses	-23,045,237
805-0000-101.01-00	ENDING FUND BALANCE (CARRYOVER TO 12/13)	5,599,724

1/ Source for Special Project Budget is TRLIA Cash Flow Spreadsheet 7-7-11.

2/ CFD and Assessment District Admin including contracts with SCI & SWC. Shown separately from Special Projects for clarity.

3/ Includes consulting time related to TRLIA outreach efforts on project certification.

4/ Includes O&M Cost of County Vehicle Provided to TRLIA

5/ Represents advance funding from the State per Upper Yuba funding agreement, transfers from fund 817.

6/ Represents funding for reimbursable expenses from the State per funding agreements.

7/ Represents advance funding from the State per Feather River funding agreement, transfers from fund 816.

8/ Represents funding expected to come from DWR for an approved Flood Corridor Program Grant. If a grant is not approved, the associated costs of the project would not be incurred as the project would not take place.

9/ No additional funding is budgeted for FY 10-11 to come from YLFA from fund 813.

10/ Represents transfers from funds 810, 811 and 818 to cover CFD and Assessment District administrative expenses.

SPECIAL PROJECTS DETAIL (#23-01)

Jul 11 - Jun 12

PHASE	Design	Permitting	Construction	CM	ROW Capital/ Support /1	Environmental/ Mitigation/ Restoration	PM /1	Contingency	Total
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR	0	0	0	1,660	1,200,000	0	33,308	0	1,234,968
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	111,493	0	0	0	165,000	23,067		299,560
TRLIA Phase 4 Upper Yuba Levee Repair HWY 70 to Goldfields	115,000	410,000	9,137,062	1,566,700	1,128,941	240,209	330,373	1,234,417	14,162,703
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place	0	80,447	0	0	643,359	0	37,101	0	760,907
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	0	44,817	3,000	25,000	241,000	750,719	121,604	806,930	1,993,070
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place	0	80,447	389,796	40,000	910,635	0	41,051	0	1,461,929
Goldfields Analysis	312,000	0	0	0	0	0	51,768	0	363,768
Feather River Flood Corridor Protection Project	23,308	110,000	1,196,297	211,111	0	0	239,206	0	1,779,923
TOTALS	450,308	837,205	10,726,156	1,844,471	4,123,935	1,155,928	\$877,477	2,041,348	\$22,056,827

1/ Specific ROW Support and Project Management Contract are detailed below.

TRLIA PROJECT MANAGEMENT CONTRACTS (#23-01)

<u>CONTRACTOR</u>	<u>Work Included w/in Management</u>	<u>Contracts Included w/in Permits & R of W</u>
MBK (Program Mgmt & Design Mgmt)	170,000	0
Handen Company	95,000	0
Downey Brand (General Counsel)	180,000	0
Downey Brand (R of W Counsel)	0	600,000
BRI (ROW Mgmt and Acquisition)	0	400,000
ROW Engineering (CTA)		50,000
SWC Inc. (Financial Consultant)	130,000	0
MBK and Mike Hinz (Financial Support and Auditing)	40,000	0
Floyd Communications (Public Relations)	80,000	0
TOTAL	695,000	1,050,000

2011/2012 PROFESSIONAL SERVICES DETAIL (#23-02)

DETAIL DESCRIPTION	2011/12	
Public Works Admin Salaries, Benefits, and Expenses	150,000	
Executive Director Salary & Benefits	160,000	1/
CAO, Auditor, & Treasurer Salary, Benefits, and Expenses	95,000	
Administrative Assistant Salary & Benefits	70,100	1/
Clerk of the Board Salary, Benefits, and Expenses	5,000	
TRLIA General Expenses (Services, Supplies & Office)	90,000	2/
<hr/>		
	TOTAL	570,100

1/ Based on full time effort

2/ \$7,500 per month

**TRLIA
FISCAL YEAR 2012-2013 PROJECTED BUDGET**

BUDGETED ESTIMATED EXPENDITURE SUMMARY 1/

<u>ACCOUNT NUMBER</u>	<u>ACCOUNT DESCRIPTION</u>	<u>AMOUNT 2012 - 2013</u>
805-3350-425.15-00	INSURANCE	315,510
805-3350-425.20-00	MEMBERSHIP	10,800
805-3350-425.23-01	SPECIAL PROJECTS	3,801,247 1/
	TRLIA Phase 3 Levee Repair	97,239
	TRLIA Phase 4 Upper Yuba Levee Repair	539,269
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	5,000
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	193,430
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	5,000
	Gold Fields	20,000
	Feather River Flood Corridor Protection Project	2,941,310
805-3350-425.23-02	PROFESSIONAL SERVICES	540,100
805-3350-425.23-01	TRLIA FUNDING DISTRICT ADMIN.	24,000 2/
805-3350-425.29-00	TRAVEL	16,000 3/
TOTAL		4,707,657

ESTIMATED REVENUE 1/

<u>ACCOUNT NUMBER</u>	<u>REVENUE SOURCE</u>	<u>AMOUNT 2012 - 2013</u>
805-3350-425.90-00	PROP 1E Yuba - State Share (Advances & Retention)	0 4/
805-0000-361.62-50	PROP 1E Yuba - Credited Local Share	0 5/
805-3350-425.90-00	PROP 1E Feather - State Share (Advances & Retention)	0 6/
805-0000-361.62-51	PROP 1E Feather - Credited Local Share	0 5/
805-0000-TBD	PROP 1E FPCP Grant Funding	2,745,845 7/
805-0000-371.98-99	Bear River Endowment Ecosystem Restoration Funding	90,000 8/
805-0000-311.07-00	NET FUNDING DISTRICT REVENUE (ADMIN)	24,000 9/
TOTAL		2,859,845

ESTIMATED FUND BALANCES (FY 12/13)

805-0000-101.01-00	STARTING FUND BALANCE (CARRYOVER FROM 11/12)	5,599,724
	PLUS Revenues	2,859,845
	LESS Expenses	-4,711,657
805-0000-101.01-00	ENDING FUND BALANCE (CARRYOVER TO 13/14)	3,751,912

1/ Source for Special Project Budget is TRLIA Cash Flow Spreadsheet 7-7-11.

2/ CFD and Assessment District Admin including contracts with SCI & SWC. Shown separately from Special Projects for clarity.

3/ Includes O&M Cost of County Vehicle Provided to TRLIA

4/ Represents advance funding from the State per Upper Yuba funding agreement, transfers from fund 817.

5/ Represents funding for reimbursable expenses from the State per funding agreements.

6/ Represents advance funding from the State per Feather River funding agreement, transfers from fund 816.

7/ Represents funding expected to come from DWR for an approved Flood Corridor Program Grant. If a grant is not approved, the associated costs of the project would not be incurred as the project would not take place.

8/ Reflects Annuity from Endowment funded in December 2009.

9/ Represents transfers from funds 810, 811 and 818 to cover CFD and Assessment District administrative expenses.

SPECIAL PROJECTS DETAIL (#23-01)

Jul 12 - Jun 13

PHASE Major Cost Category	Design	Permitting	Construction	CM	ROW Capital/ Support /1	Environmental/ Mitigation/ Restoration	PM /1	Contingency	Total
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR 200-yr	TBD	TBD	TBD	0	0	0	TBD	0	0
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	0	0	0	0	90,000	7,239	0	97,239
TRLIA Phase 4 Upper Yuba Levee Repair HWY 70 to Goldfields 200-yr	TBD	TBD	TBD	0	416,228	0	123,041	0	539,269
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place 200-yr	TBD	TBD	TBD	0	0	0	5,000	0	5,000
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	0	0	0	0	0	184,859	8,571	0	193,430
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place 200-yr	TBD	TBD	TBD	0	0	0	5,000	0	5,000
Goldfields Analysis	TBD	TBD	TBD	0	0	0	20,000	0	20,000
Feather River Flood Corridor Protection Project	0	0	2,237,067	394,777	0	41,696	267,771	0	2,941,310
TOTALS	\$0	\$0	\$2,237,067	\$394,777	\$416,228	\$316,555	\$436,621	\$0	\$3,801,247

1/ Specific Project Management Contract are detailed below.

TRLIA PROJECT MANAGEMENT CONTRACTS (#23-01)

<u>CONTRACTOR</u>	<u>Management</u>	<u>Portion Included w/in Permits & R of W</u>
MBK (Program Mgmt & Design Mgmt)	72,500	0
Handen Company	50,000	0
Downey Brand (General Counsel)	100,000	0
Downey Brand (R of W Counsel)	0	20,000
BRI (ROW Mgmt and Acquisition)	0	20,000
ROW Engineering (CTA)	0	0
SWC (Financial Consultant)	50,000	0
MBK and Mike Hinz (Financial Support and Auditing)	25,000	0
Floyd Communications (Public Relations)	40,000	0
TOTAL	337,500	40,000

2012/2013 PROFESSIONAL SERVICES DETAIL (#23-02) /1

DETAIL DESCRIPTION	2012/13
Public Works Admin Salaries, Benefits, and Expenses	135,000
Executive Director Salary & Benefits	160,000 2/
CAO, Auditor, & Treasurer Salary, Benefits, and Expenses	90,000
Administrative Assistant Salary & Benefits	70,100 2/
Clerk of the Board Salary, Benefits, and Expenses	5,000
<u>TRLIA General Expenses (Services, Supplies & Office)</u>	<u>80,000 3/</u>
	TOTAL 540,100

1/ Subject to revision based upon review level of work required to complete efforts included within budget.

2/ Based on full time effort

3/ Approx. \$6,500 per month