

**THREE RIVERS LEVEE IMPROVEMENT AUTHORITY**  
**Yuba County Government Center, Board Chambers**  
**915 Eighth Street, Suite 109A**  
**Marysville, California**

**JULY 15, 2008 – 3:00 P.M.**

**THREE RIVERS LEVEE IMPROVEMENT AUTHORITY**

**Final Budget Hearings – Fiscal Year 2008/2009**

**(Hearing may be continued on a day-to-day basis through July 25, 2008)**

- I **ROLL CALL** – Directors Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, Dan Logue
- II **PUBLIC HEARINGS – FINAL BUDGET FISCAL YEAR 2008/2009**
- A. **Executive Director:** Present overview and recommendation for Fiscal Year 2008/2009 Final Budget.
- B. **Board of Directors:** Consider and discuss Fiscal Year 2008/2009 Budget.
- C. **Public Communication:** Receive public comments. Comments will be limited to five minutes per individual or group and may address only those items so identified with Final Budget Hearings.
- D. **Board of Directors:** Provide direction to staff and take action as appropriate for Fiscal Year 2008/2009 Final Budget.
- III **RECESS TO DATE AND TIME CERTAIN OR ADJOURN**



# THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218  
Marysville, CA 95901  
(530) 749-7841 Fax (530) 749-6990

July 15, 2008

TO: Three Rivers Levee Improvement Authority Board  
FROM: Paul Brunner, Executive Director *psb*  
SUBJECT: Acceptance of Budget for Fiscal Year 2008-09

### **Recommended Action:**

Accept the Executive Director's Proposed Budget for Fiscal Year 2008-09

### **Discussion:**

At the June 17, 2008 TRLIA Board meeting the TRLIA Board accepted the proposed 2008/2009 TRLIA Budget and directed the following actions be taken:

1. TRLIA Executive Director to make copies of the Proposed Budget available for inspection by the public.  
Action Taken: The proposed budget was made available at the Clerk of Board office and John Packard Public Library in Marysville. A public notice stating the proposed budget was available for review was placed in the Appeal Democrat on July 3, 2008.
2. Budget Hearing to be scheduled to begin on Tuesday, July 15, starting at 3:00 pm.  
Action Taken: The Budget meeting was scheduled at the Yuba County Government Center Board Chamber Room for this time and date.

The following minor changes were made to the proposed budget since the June 17, 2008 TRLIA Board meeting.

1. Revised page 2 to show new date of letter
2. Revised page 4 to show new date of the cash flow referenced in the budget
3. Revised page 7 to show the anticipated DWR and F&G Prop 13 revenue was not received in FY07/08. This adjustment caused the funds carry over to be reduced. Overall revenue totals for FY08/09 stayed the same. Footnote 4 was removed and Footnote 5 became Footnote 4.

The following text was provided in the TRLIA staff report for the June 17, 2008 TRLIA Board meeting. It is provided below for quick reference:

TRLIA continues to follow the same requirements for budget adoption as prescribed by the Yuba County Ordinance Code and state law. State law also requires the Board to notify the public when budget hearings will begin and to provide copies of the Proposed Budget for inspection by the Public.

Attached is the proposed Fiscal Year 2008-09 TRLIA budget for your consideration. Funding for the Fiscal Year 2008-09 budget comes from the recent \$138.5 million DWR/TRLIA Prop 1E funding agreement and local funding agreements with Yuba County, YCWA, RD784, and a local landowner.

This proposed budget represents a continuation of the aggressive actions that TRLIA has accomplished since its conception in 2004. Outlined in this budget submittal 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. The TRLIA Plan has been to 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 by the end of 2008. In its entirety, the proposed cost to complete this project is in excess of \$360 million.

There are four phases to this capital improvement program. 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. The following list is a breakdown and status of each of the Phases:

- Phase 1 – completed and certified by the Corps of Engineers in 2007
- Phase 2 – completed and certified by the Corps of Engineers in 2007
- Phase 3 - completed and certified by the Corps of Engineers in 2007
- Phase 4 – see below:
  - Yuba River – work between the UPRR and Simpson lane was completed and certified by the Corps of Engineers in 2007. Remaining work including slope maintenance between Highway 70 and the SPRR and some improvements downstream of the Yuba Goldfields is being re-evaluated based on recent information from the Corp of Engineers. The goal is to complete the work during the 2008 construction season but it may move to 2009.
  - Feather River Segment 1 – work will include strengthening the levee in place between the Bear River and Star Bend. Construction is scheduled to occur in 2008.
  - Feather River Segment 2 – work will consist of a setback levee to be constructed between Star Bend and Shanghai Bend. Land acquisition (approximately 1600 acres), construction of the foundation, and construction of the embankment are underway. Completion of the setback levee in 2008 is contingent upon TRLIA receiving Army Corps Section

408 approval and 404 permit by the end of August, 2008. The approval is required to construct the levee tie-ins to the existing levee and to degrade the existing levee. Without the approval and permit, TRLIA will not have sufficient time before the flood season begins this year (end of October) to complete the levee in 2008. Degrading the existing levee and environmental restoration work is planned to occur in 2009.

- Feather River Segment 3 – work includes strengthening the levee from the Yuba River at the WPRR down to Shanghai Bend. Construction began in FY 2007-08 and approximately 25% of the segment was completed. Remaining construction is underway and scheduled to be completed by November 1, 2008.

This proposed budget also includes:

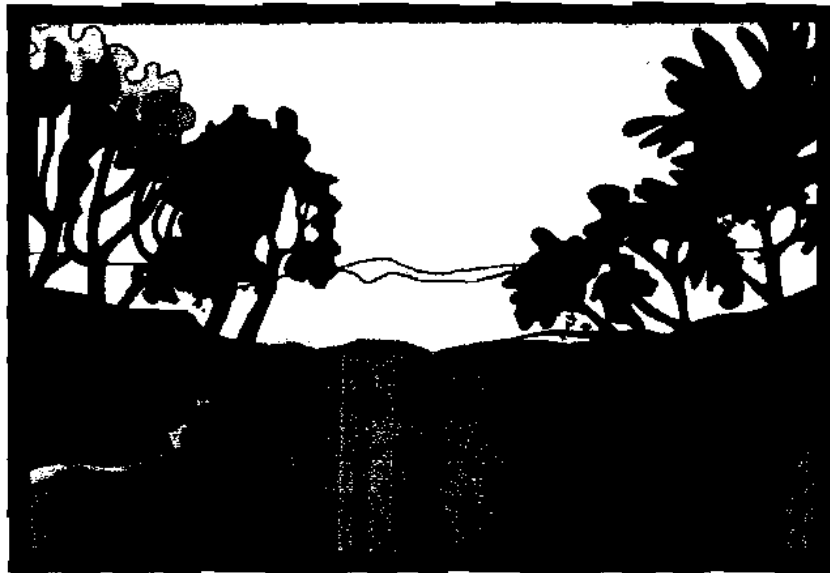
- The cost of the TRLIA management team and associated support costs (e.g. office space, etc.)
- An estimate for TRLIA to temporarily provide support to RD 784 to maintain the levees in the South Yuba area until the TRLIA project is complete or an assessment District is approved by residents.
- Phase 2 real estate expenses for Olivehurst Detention Basin, and Harmon/Auburn Manor- Remaining negotiated payments.

#### **Fiscal Impact**

Proposed appropriations for FY2008-09 total \$123 million. There is an estimated \$1.4 million in carryover from FY2007-08 plus proposed revenue of \$122.4 million for a total of approximately \$124 million, leaving an estimated balance of a little less than \$1 million to be carried over to FY2009-10 to support the ongoing TRLIA project.

**THREE RIVERS LEVEE  
IMPROVEMENT  
AUTHORITY**

**2008/09 Budget Proposal**



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

**June 11, 2008**

**Proposed Three Rivers Levee Improvement Authority  
(TRLIA) FY 2008/2009 Budget  
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## THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218  
Marysville, CA 95901  
(530) 749-7841 Fax (530) 749-6990

June 11, 2008

To: Three Rivers Improvement Authority

From: Paul G. Brunner, P.E., Executive Director

Re: Proposed Budget for Fiscal Year 2008-09

I am pleased to submit this proposed TRLIA budget for FY08/09. This proposed budget *represents a continuation of the aggressive actions that TRLIA has accomplished since its conception in 2004.* Outlined in this budget submittal 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. The TRLIA Plan has been to 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 by the end of 2008. In its entirety, the proposed cost to complete this project is in excess of \$360 million.

There are four phases to this capital improvement program. The map on page 6 depicts the four phases. 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. The following list is a breakdown and status of each of the Phases:

- Phase 1 – completed and certified by the Corps of Engineers in 2007
- Phase 2 – completed and certified by the Corps of Engineers in 2007
- Phase 3 - completed and certified by the Corps of Engineers in 2007
- Phase 4
  - Yuba River – work between the UPRR and Simpson lane was completed and certified by the Corps of Engineers in 2007. Remaining work including slope maintenance between Highway 70 and the SPRR and some improvements downstream of the Yuba Goldfields is being re-evaluated based on recent information from the Corp of Engineers. The goal is to complete the work during the 2008 construction season but it may move to 2009.
  - Feather River Segment i – work will include strengthening the levee in place

between the Bear River and Star Bend. Construction is scheduled to occur in 2008.

- Feather River Segment 2 – work will consist of a setback levee to be constructed between Star Bend and Shanghai Bend. Land acquisition (approximately 1600 acres), construction of the foundation, and construction of the embankment are underway. Completion of the levee in 2008 is contingent upon TRLIA receiving Army Corps Section 408 approval by the end of August, 2008. The approval is required to construct the levee tie-ins to the existing levee and to degrade the existing levee. Without the approval, TRLIA will not have sufficient time before the flood season to complete the levee in 2008. Degrading the existing levee and environmental restoration work is planned to occur in 2009.
- Feather River Segment 3 – work includes strengthening the levee from the Yuba River at the WPRR down to Shanghai Bend. Construction began in FY 2007-08 and approximately 25% of the segment was completed. Remaining construction is underway and scheduled to be completed by November 1, 2008.

At the time of approval of last year's budget, TRLIA was awaiting approval of a \$168 million grant application through the Disaster Preparedness and Flood Prevention Bond Act of 2006 (Proposition 1E), which allocated \$200 million for projects that were ready to go to construction in FY 2007-08. The project was preliminarily selected for \$138.51 million of funding in August, 2007. The funding was substantially less than TRLIA's request and was broken down in the following as provided by the State in the August 30, 2007 Preliminary Eligibility Notification:

- The State would pay 70 percent of estimated eligible "fix-in-place" costs for Segment 2 - \$53.70 million (70 percent of \$76.71 million [\$77.30 million estimated based on information in the application, minus estimated ineligible design costs incurred prior to November 7, 2006, estimated at \$0.59 million]).
- The State would pay 95 percent of the eligible incremental costs associated with construction of the setback levee in Segment 2 - \$76.76 million (95 percent of \$92.70 incremental cost minus \$8.00 million for ecosystem restoration, \$2.60 million for repair of Site 7 associated with Segment 1 which is not eligible, and \$1.30 million for ineligible Alternative Analysis costs included in the project estimate in the application.)
- The State would pay 70 percent of eligible costs for Segment 3 – \$8.05 million (70 percent of \$11.50 million estimated based on information in the application.)
- The State is supportive of the ecosystem restoration portion of the project and intends to cooperate with TRLIA and the U. S. Army Corps of Engineers (Corps) to implement ecosystem restoration as a component of the Yuba Basin Project, which has yet to be authorized by Congress. Consequently, costs for ecosystem restoration are not being funded under this grant.

- The State will pay none of the costs of Segment 1 of the FRLRP, primarily because TRLIA's application did not adequately address Criterion 6, Levee In-Place Improvement. TRLIA acknowledged that levee setback alternatives for Segment 1 (Feather River below Star Bend) were eliminated at the outset of the FRLRP studies for several reasons, including an earlier conclusion that a setback levee on the lower Bear River would accomplish some of the Feather River benefits that would accrue from a below Star Bend Feather River setback levee. However, to DWR's knowledge no modeling or economic studies were done to quantify the potential benefits of a setback levee in Segment 1 which would connect the proposed Segment 2 Feather River setback levee to the existing Bear River setback. Since the application does not include sufficient information for the State to assess the potential flood risk management benefits of a Segment 1 setback levee, that segment does not meet eligibility Criterion 6.
- The total of all State contributions towards the Feather River Levee Repair Project from the EIP Grant Program would not exceed an estimated \$138.51 million pending any adjustments to be made upon review of estimated ineligible costs incurred prior to bond passage on November 7, 2006.
- TRLIA must provide detailed information (with supporting documentation) for DWR to determine the costs that were incurred on the FRLRP before November 7, 2006. Costs that were incurred prior to this date are not eligible for reimbursement.

Subsequent to the Preliminary Notification Letter, TRLIA provided all required information and diligently worked with the State through the terms of the Grant funding. The agreement allows for TRLIA to receive advance funding for 75% of costs expected to occur in the quarter, advance payment for all real estate costs associated with the project, and payments for local share amounts up to \$12.9 million, an amount equal to credit for costs incurred since the Bond was passed on November 6, 2007. The remaining 25% of quarterly expected costs will be reimbursed upon submittal of appropriate documentation as those costs are incurred and the State will holdback 10% of all costs, except real estate, until completion of Project Elements. The Funding Agreement was executed on April 25, 2008 and TRLIA received the first disbursement in May, 2008.

In order for the State to approve the \$138.51 million Funding Agreement, TRLIA was required to provide details of a reliable local funding source. The TRLIA program has historically been locally funded through agreements with developing landowners to provide advance funding of impact fees at the time of building permit and/or final map. However, due to the continued housing market decline, landowner funding has become unreliable. Therefore, TRLIA has worked with Yuba County, Yuba County Water Agency, Reclamation District 784, and one Local Land Owner to fund the local Share as detailed in the DWR/TRLIA Funding Agreement. Details of the financial terms with Yuba County and YCWA can be found in the *Agreement for Funding Between Three Rivers Levee Improvement Authority, County of Yuba, and Yuba County Water Agency*.

This proposed budget includes anticipated expenditures associated with aggressively moving the TRLIA program forward to achieve greater than 200-year flood protection for South Yuba County in 2008 with funding from the State of California grant, Yuba County, and the Yuba County water Agency as described above.

The graphical chart on page 10 shows the anticipated FY2008/09 expenditures and revenues. The expenditures are based on the TRLIA cash flow spreadsheet dated 6-11-08 and project schedules shown in Appendix A. The monthly revenues are based on: 1) the State disbursements over the 12 month period; and 2) local funding provided by Yuba County, the Yuba County Water Agency, and a separate agreement with Axel Karlshoej.

Provided below is the anticipated total cost of the overall project by phase:

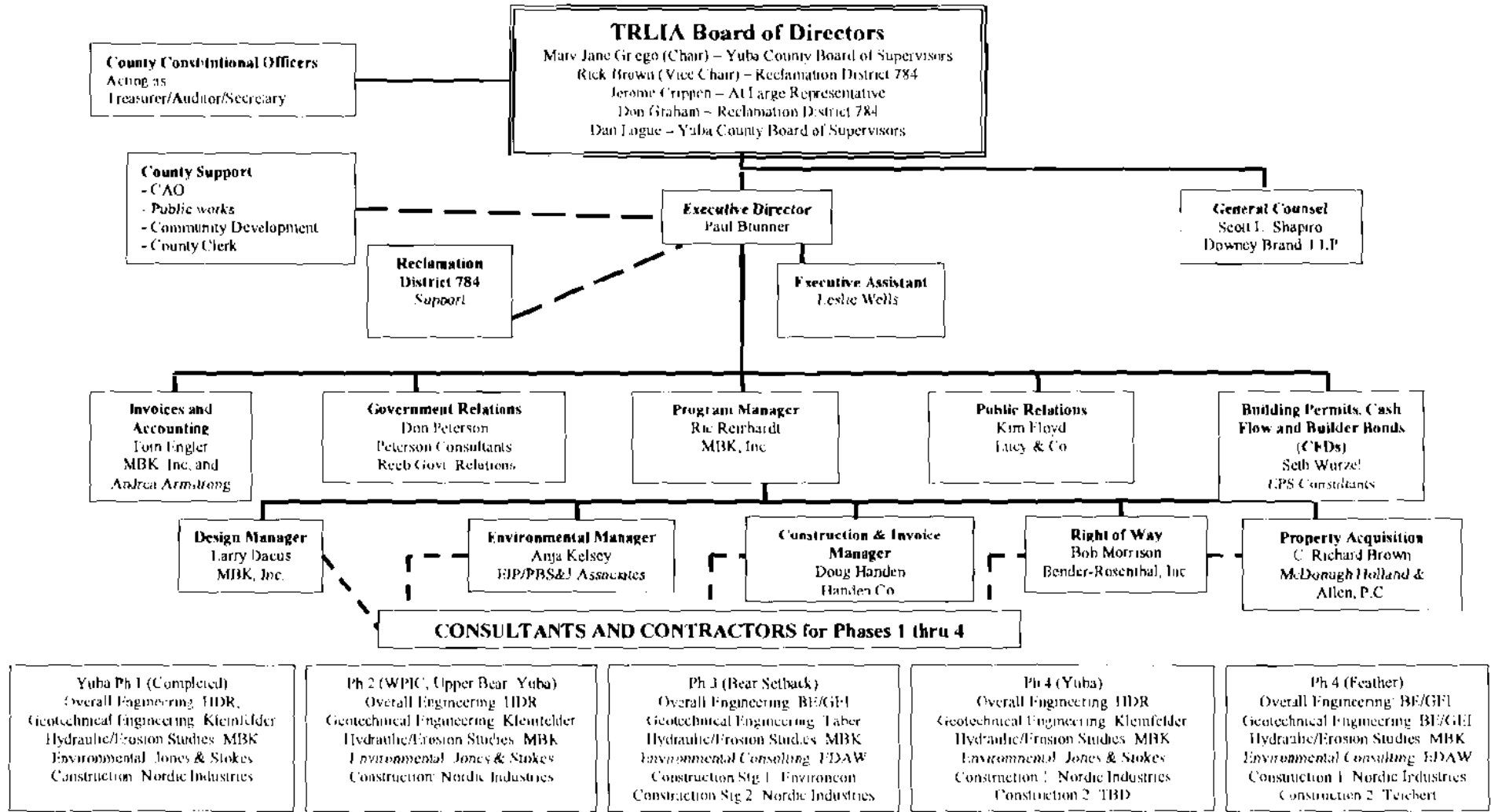
	OVERALL PROJECT TOTAL
PHASE 1	4,784,360
PHASE 2	40,605,738
PHASE 3	75,296,027
PHASE 4 (YUBA)	22,008,419
PHASE 4 (FEATHER SEGMENT 1)	14,457,797
PHASE 4 (FEATHER SEGMENT 2)	170,825,620
PHASE 4 (FEATHER SEGMENT 3)	12,070,396
OLIVEHURST DETENTION BASIN	7,383,350
PROJECT CONTINGENCY	11,654,690
INTERIM O&M	750,000
REPAYMENT OF BRIDGE LOAN	2,026,113
<b>TOTAL</b>	<b>361,862,511</b>

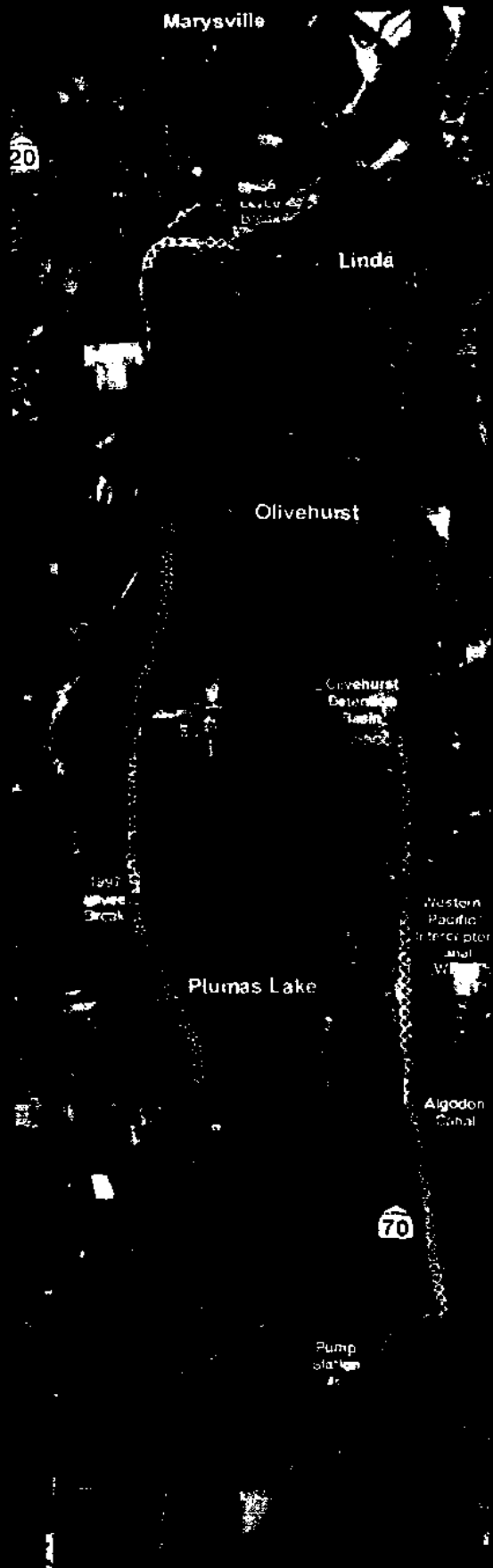
This proposed budget also includes:

- The cost of the TRLIA management team and associated support costs (e.g. office space, etc.), see organizational chart on page 5.
- An estimate for TRLIA to temporarily provide support to RD 784 to maintain the levees in the South Yuba area until the TRLIA project is complete or an assessment District is approved by residents. This estimate includes \$500,000 in FY 08/09.
- Phase 2 real estate for Olivehurst Detention Basin, and Harmon/Auburn Manor-Remaining negotiated payments.

# Three Rivers Levee Improvement Authority (Joint Powers Authority)

## Organization Chart





Legend	
—————	Phase 1 (completed)
- - - - -	Phase 2 (2005 & 2006 construction sections)
.....	Phase 3 (2005 & 2006 construction sections)
- · - · -	Phase 4 (2007 & 2008 construction sections)
· · · · ·	Phase 4 (setback 2007 & 2008 construction sections)

#### Phase 1 Levee Repairs (2004)

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

#### Phase 2 Levee Repairs (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 WPK Levee: 500-foot long, 38-foot deep slurry cutoff wall and an 1,100-foot, 44-foot deep slurry cutoff wall to minimize underseepage at Plumas Lake
- Lower WPK 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 WPK to provide erosion protection

#### Phase 2 Levee Repairs (2006)

- Olivehurst Detention Basin: Ring Levee between SR-70 and the Clark Lateral Levee
- WPK 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 3 Levee Repairs (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
- Installation of two relief wells
- Investigation of three archeological areas revealed during construction

#### Phase 3 Levee Repairs (2006)

- Demolition of existing homes and structures within the setback levee area
- Clearing and grubbing of remaining trees in setback area
- Construction of setback levee embankment (approx. 800,000 cy)
- Installation of approximately 18 relief wells
- Construction of two detention basins with total capacity of 300 acre-feet
- 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 Repairs (2006/2007)

- Environmental restoration of setback area and existing Bear River floodway

#### Phase 4 Levee Repairs (2006)

- Yuba Levee: Cut-off wall between the UPPR and Simpson Lane to protect against underseepage.

#### Phase 4 Levee Repairs (2007/2008)

- TRLIA Board adopts Feather River Setback Levee Alternative February 6th, 2007.
- Feather River Levee: Strengthen-in-place and Setback levee (Under design/construction).
- Yuba Levee (NE corner of UPPR & Levee intersection): Constructed seepage berm and installed two monitoring wells.
- Yuba Levee between Hwy 70 and Simpson Lane levee work to achieve 200-year flood protection goal.
- Yuba River: Levee improvements at the upstream end of the levee near the Goldfields

**TRLIA  
FISCAL YEAR 2008 - 2009  
BUDGET**

**BUDGET ESTIMATED EXPENDITURE DETAIL ROLLUP  
BUDGET FOR THE FISCAL YEAR 2008-2009**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	REQUEST 2008- 2009
805-3350-425-15-00	INSURANCE	196,860 1/
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	122,299,106 2/
	TRLIA Phase 2 Levee Repair	833,109
	TRLIA Phase 3 Levee Repair	3,055,501
	TRLIA Phase 4 Yuba Levee Repair	1,759,238
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	9,302,311
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	96,315,085
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	4,741,222
	Olivehurst Detention Basin	986,410
	Interim O&M	500,000
	Project Contingency	4,806,230
805-3350-425-23-02	PROFESSIONAL SERVICES	569,708
805-3350-425-29-00	TRAVEL	15,500 3/
<b>TOTAL</b>		<b>123,088,909</b>

**BUDGET FOR THE FISCAL YEAR 2008-2009  
ESTIMATED REVENUE**

ACCOUNT NUMBER	REVENUE SOURCE	AMOUNT 2008- 2009
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	538,858 4/
	PROP 13 (DF&G Phases 2 & 3)	3,170,463 4/
	PROP 1E	78,598,401
	COUNTY/YCWA JOINT FINANCING	29,562,313 5/
	ENVIRONMENTAL RESTORATION FUNDING	390,000
	ENVIRONMENTAL REVENUE/ECO FUNDING	3,942,099
	AXEL KARLSHOEJ AGREEMENT	3,290,267
	FUND CARRYOVER FROM 07/08	4,314,693
<b>TOTAL</b>		<b>123,807,094</b>

**Fund Balance 6/30/09      718,185**

1/ Costs from 07/08 plus 3% inflation

2/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 5.8.08

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

4/ Some of these funds may still be received in the current FY and be carried over

5/ Includes Impact Fee revenue and interest on TRLIA account

**TRLIA  
FISCAL YEAR 2008 - 2009  
BUDGET**

**SPECIAL PROJECTS DETAIL (#2301)**

Jul 08 - Jun 09

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ROW ACQUISITION	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper 0	0	0	807,326	0	25,783	0	833,109
TRLIA Phase 3 Levee Repair River Setback Levee	Bear 0	0	0	0	2,960,940	94,561	0	3,055,501
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	888,314	0	0	16,480	800,000	54,445	0	1,759,236
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place	0	7,400,000	1,110,586	503,838	0	287,886	421,934	9,724,244
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	598,215	59,365,936	3,120,000	23,918,191	6,332,000	2,980,743	4,168,323	100,483,408
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place	0	4,167,069	337,422	90,000	0	146,731	215,973	4,957,195
Olivehurst Detention Basin	0	0	0	955,883	0	30,527	0	986,410
Interim O&M	0	0	0	0	0	0	0	500,000
Project Contingency	0	0	0	0	0	0	0	0
<b>TOTALS</b>	<b>1,486,528</b>	<b>70,933,005</b>	<b>4,568,008</b>	<b>26,291,718</b>	<b>10,092,940</b>	<b>3,620,676</b>	<b>4,806,230</b>	<b>122,299,106</b>

**TRLIA PROJECT MANAGEMENT CONTRACTS**

**CONTRACTOR**

Est 08/09

MBK (Prog Mgmt & Design Mgmt)	600,000
EIP (Environmental Mgmt)	See note 2/ below
Downey Brand (Legal Counsel) 1/	438,000
McDonough Holland & Allen (ROW Legal)	100,000
BRI (ROW Mgmt and Acquisition)	2,071,676
Peterson Consultants (Government Relations)	60,000
EPS (Financial Consultant)	180,000
MBK and Mike Hinz (Financial Support and Auditing)	61,000
Lucy Co (Public Relations)	110,000
<b>TOTAL</b>	<b>3,620,676</b>

1/ Downey Brand budget includes General counsel duties

2/ EIP costs are included in Environmental Restoration costs above

**2008/2009 PROFESSIONAL SERVICES DETAIL (#2302)**

<b>DETAIL DESCRIPTION</b>	<b>2008/2009</b>
Public Works Admin Salaries & Benefits	96,708 1/
TRLIA General Expenses (Services, Supplies & Office)	90,000 2/
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	100,000 3/
Administrative Assistants Salary & Benefits	95,000 4/
Clerk of the Board Salary & Benefits	40,000 5/
<b>TOTAL</b>	<b>569,708</b>

1/ \$8,059 per month equals 07/08 average

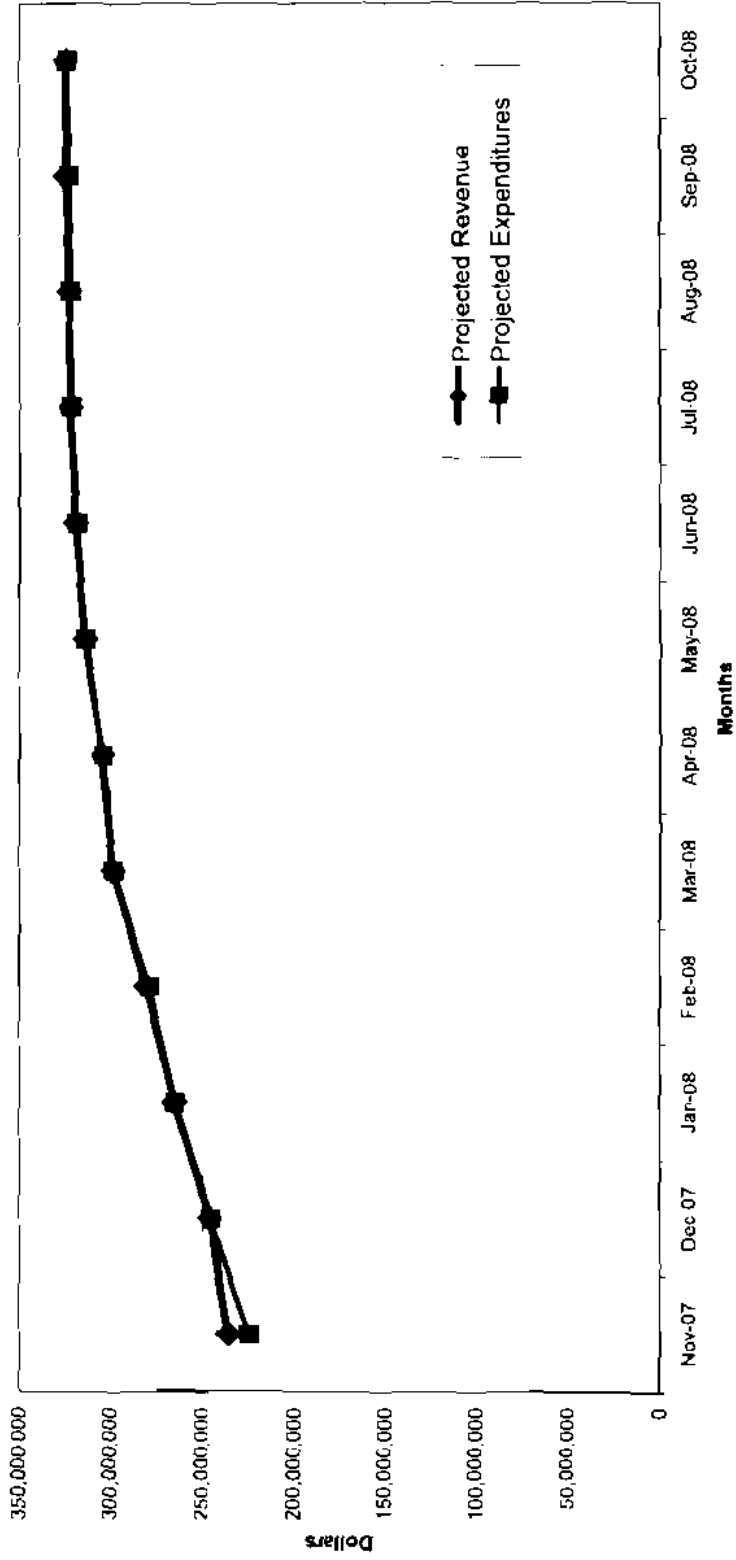
2/ Includes \$8,500/mo avg burn rate

3/ \$25,000/qr equals 07/08 average

4/ Includes \$15,000 per year for temporary assistance as needed

5/ \$10,000/qr equals 07/08 average

**Estimated Cumulative FY 08/09 Monthly Revenue and Expenditures**



**FUTURE EXPENDITURE AND REVENUE PROJECTIONS  
BUDGET FOR THE FISCAL YEAR 2009-2010**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2009-2010
805-3350-425-15-00	INSURANCE	196,860
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	33,723,991 1/
	TRLIA Phase 2 Levee Repair	0
	TRLIA Phase 3 Levee Repair	1,812,043
	TRLIA Phase 4 Yuba Levee Repair	4,766,569
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	0
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	24,821,592
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	0
	Olivehurst Detention Basin	0
	Interim O&M	250,000
	Project Contingency	2,073,787
805-3350-425-23-02	PROFESSIONAL SERVICES	498,031
805-3350-425-29-00	TRAVEL	15,500 2/
<b>TOTAL</b>		<b>34,442,117</b>

**ESTIMATED REVENUE**

ACCOUNT NUMBER	REVENUE SOURCE	Estimated 2009-2010
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0
	PROP 13 (DF&G Phases 2 & 3)	0
	PROP 1E	12,400,350
	COUNTY/CWA JOINT FINANCING	14,253,581
	ENVIRONMENTAL RESTORATION FUNDING	7,570,000
	ENVIRONMENTAL REVENUE/ECO FUNDING	0
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 08/09	718,185
<b>TOTAL</b>		<b>34,942,117</b>
<b>Fund Balance #/30/10</b>		<b>\$00,000</b>

1/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 5.8.08  
2/ Includes O&M Cost of County Vehicle Provided to TRLIA

**BUDGET FOR THE FISCAL YEAR 2010 - BEYOND**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2010-Beyond
805-3350-425-15-00	INSURANCE	196,860 1/
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	2,957,753 2/
	TRLIA Phase 2 Levee Repair	0
	TRLIA Phase 3 Levee Repair	0
	TRLIA Phase 4 Yuba Levee Repair	0
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	116,723
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	2,251,576
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	94,295
	Olivehurst Detention Basin	495,159
	Interim O&M	0
	Project Contingency	0
805-3350-425-23-02	PROFESSIONAL SERVICES	289,819
805-3350-425-29-00	TRAVEL	10,000 3/
<b>TOTAL</b>		<b>3,462,167</b>

1/ Costs from 06/07 plus 3% inflation  
2/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 5.8.08  
3/ Includes O&M Cost of County Vehicle Provided to TRLIA

**BUDGET FOR THE FISCAL YEAR 2010 - BEYOND  
ESTIMATED REVENUE**

ACCOUNT NUMBER	REVENUE SOURCE	Estimated 2010-Beyond
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0
	PROP 13 (DF&G Phases 2 & 3)	0
	PROP 1E	178,062
	COUNTY/CWA JOINT FINANCING	2,784,105
	ENVIRONMENTAL RESTORATION FUNDING	0
	ENVIRONMENTAL REVENUE/ECO FUNDING	0
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 08/09	500,000
<b>TOTAL</b>		<b>3,462,167</b>
<b>Ending Balance</b>		<b>0</b>

## 2009/2010 & 2010-Beyond Special Projects Detail (#2301)

### SPECIAL PROJECTS DETAIL (#2301)

Jul '09 - Jun '10

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ENVIRONMENTAL		ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT 1/	CONTINGENCY	BUDGET AMOUNT
				R/W	ACQ				
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair River Setback Levee	Bear	0	0	0	0	1,812,043	0	0	1,812,043
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR		147,128	3,981,522	371,271	0	0	266,648	0	4,766,569
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place		0	0	0	0	0	0	0	0
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback		0	14,200,000	1,300,000	0	7,570,000	917,102	834,489	24,821,592
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place		0	0	0	0	0	0	0	0
Olivehurst Detention Basin		0	0	0	0	0	0	0	0
Interim O&M									250,000
Project Contingency								2,073,787	2,073,787
<b>TOTALS</b>		147,128	18,181,522	1,671,271	0	9,382,043	1,183,750	2,908,277	33,723,991

1/ TRLIA Consultants

### SPECIAL PROJECTS DETAIL (#2301)

Jul '10 and Beyond

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ENVIRONMENTAL		ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT 1/	CONTINGENCY	BUDGET AMOUNT
				R/W	ACQ				
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair River Setback Levee	Bear	0	0	0	0	0	0	0	0
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR		0	0	0	0	0	0	0	0
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place		0	0	0	0	0	46,005	70,719	116,723
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback		0	0	0	0	0	887,422	1,364,155	2,251,575
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place		0	0	0	0	0	37,165	57,130	94,295
Olivehurst Detention Basin		0	0	0	0	300,000	195,159	0	495,159
Interim O&M									0
Project Contingency								0	0
<b>TOTALS</b>		0	0	0	0	300,000	1,165,751	1,492,003	2,957,753

1/ TRLIA Consultants

**2009/2010 & 2010-BEYOND PROFESSIONAL SERVICES DETAIL (#2302)**

<b>DETAIL DESCRIPTION</b>	<b>2009/2010</b>
Public Works Admin Salaries & Benefits	72,531
TRLIA General Expenses (Services, Supplies & Office)	67,500
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	75,000
Administrative Assistant Salary & Benefits	95,000 1/
Clerk of the Board Salary & Benefits	40,000
<b>TOTAL</b>	<b>498,031</b>

1/ Includes \$15,000 per year for temporary assistance as needed

<b>DETAIL DESCRIPTION</b>	<b>2010-BEYOND</b>
Public Works Admin Salaries & Benefits	43,519
TRLIA General Expenses (Services, Supplies & Office)	40,500
Executive Director Salary & Benefits	88,800
CAO, Auditor & Treasurer Salary & Benefits	45,000
Administrative Assistant Salary & Benefits	48,000
Clerk of the Board Salary & Benefits	24,000
<b>TOTAL</b>	<b>289,819</b>

1/ includes \$15,000 per year for temporary assistance as needed



# Three Rivers Levee Improvement Authority

## Project Schedule

ID	Task Name	2006				2007				2008				2009													
		D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
1	Phase 1 - Yuba River																										
2	Phase 2 - Yuba, WPIC & Bear																										
3	Phase 3 - Bear River Setback Levee																										
4	Phase 4 Yuba																										
5	Certification - Phase 1, 2, 3 and Portion of Phase 4 Yuba																										
6	Additional Phase 4 Yuba (/1)																										
7	<b>Phase 4 Feather - Segment 1</b>																										
8	Alternatives Analysis																										
9	Design/Engineering																										
10	Permitting																										
11	Land Acquisition																										
12	Construction																										
13	<b>Phase 4 Feather - Segment 2</b>																										
14	Alternatives Analysis																										
15	Design/Engineering																										
16	Permitting																										
17	Land Acquisition																										
18	Construction - Foundation																										
19	Construction - Embankment																										
20	Construction - Embankment (/2)																										
21	Construction - Tie - Ins																										
22	Degrade Existing Levee																										
23	<b>Phase 4 Feather - Segments 3</b>																										
24	Alternatives Analysis																										
25	Design/Engineering																										
26	Permitting																										
27	Land Acquisition																										
28	Construction																										
29	<b>200 Year Facilities Complete (/2)</b>																										

/1 - Construction dependent on hydraulic analyses by MBK Engineers and the Corps

/2 - Dependent on Federal permits and weather

**THREE RIVERS LEVEE  
IMPROVEMENT  
AUTHORITY**

**2008/09 Budget Proposal**

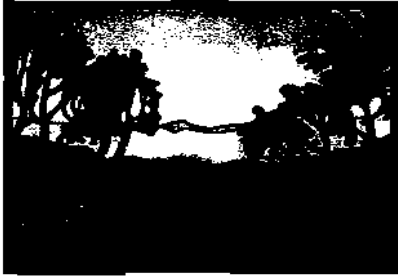


**Paul G. Brunner, P.E.  
Executive Director**

**July 8, 2008  
Update**

**Proposed Three Rivers Levee Improvement Authority  
(TRLIA) FY 2008/2009 Budget  
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## **THREE RIVERS LEVEE IMPROVEMENT AUTHORITY**

**1114 Yuba Street, Suite 218  
Marysville, CA 95901  
(530) 749-7841 Fax (530) 749-6990**

July 8, 2008

To: Three Rivers Improvement Authority

From: Paul G. Brunner, P.E., Executive Director

Re: Proposed Budget for Fiscal Year 2008-09

I am pleased to submit this proposed TRLIA budget for FY08/09. This proposed budget represents a continuation of the aggressive actions that TRLIA has accomplished since its conception in 2004. Outlined in this budget submittal 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. The TRLIA Plan has been to 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 by the end of 2008. In its entirety, the proposed cost to complete this project is in excess of \$360 million.

There are four phases to this capital improvement program. The map on page 6 depicts the four phases. 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. The following list is a breakdown and status of each of the Phases:

- Phase 1 – completed and certified by the Corps of Engineers in 2007
- Phase 2 – completed and certified by the Corps of Engineers in 2007
- Phase 3 - completed and certified by the Corps of Engineers in 2007
- Phase 4
  - Yuba River – work between the UPRR and Simpson lane was completed and certified by the Corps of Engineers in 2007. Remaining work including slope maintenance between Highway 70 and the SPRR and some improvements downstream of the Yuba Goldfields is being re-evaluated based on recent information from the Corp of Engineers. The goal is to complete the work during the 2008 construction season but it may move to 2009.

- Feather River Segment 1 – work will include strengthening the levee in place between the Bear River and Star Bend. Construction is scheduled to occur in 2008.
- Feather River Segment 2 – work will consist of a setback levee to be constructed between Star Bend and Shanghai Bend. Land acquisition (approximately 1600 acres), construction of the foundation, and construction of the embankment are underway. Completion of the levee in 2008 is contingent upon TRLIA receiving Army Corps Section 408 approval by the end of August, 2008. The approval is required to construct the levee tie-ins to the existing levee and to degrade the existing levee. Without the approval, TRLIA will not have sufficient time before the flood season to complete the levee in 2008. Degrading the existing levee and environmental restoration work is planned to occur in 2009.
- Feather River Segment 3 – work includes strengthening the levee from the Yuba River at the WPRR down to Shanghai Bend. Construction began in FY 2007-08 and approximately 25% of the segment was completed. Remaining construction is underway and scheduled to be completed by November 1, 2008.

At the time of approval of last year's budget, TRLIA was awaiting approval of a \$168 million grant application through the Disaster Preparedness and Flood Prevention Bond Act of 2006 (Proposition 1E), which allocated \$200 million for projects that were ready to go to construction in FY 2007-08. The project was preliminarily selected for \$138.51 million of funding in August, 2007. The funding was substantially less than TRLIA's request and was broken down in the following as provided by the State in the August 30, 2007 Preliminary Eligibility Notification:

- The State would pay 70 percent of estimated eligible "fix-in-place" costs for Segment 2 - \$53.70 million (70 percent of \$76.71 million [\$77.30 million estimated based on information in the application, minus estimated ineligible design costs incurred prior to November 7, 2006, estimated at \$0.59 million]).
- The State would pay 95 percent of the eligible incremental costs associated with construction of the setback levee in Segment 2 - \$76.76 million (95 percent of \$92.70 incremental cost minus \$8.00 million for ecosystem restoration, \$2.60 million for repair of Site 7 associated with Segment 1 which is not eligible, and \$1.30 million for ineligible Alternative Analysis costs included in the project estimate in the application.)
- The State would pay 70 percent of eligible costs for Segment 3 – \$8.05 million (70 percent of \$11.50 million estimated based on information in the application.)
- The State is supportive of the ecosystem restoration portion of the project and intends to cooperate with TRLIA and the U. S. Army Corps of Engineers (Corps) to implement ecosystem restoration as a component of the Yuba Basin Project,

which has yet to be authorized by Congress. Consequently, costs for ecosystem restoration are not being funded under this grant.

- The State will pay none of the costs of Segment 1 of the FRLRP, primarily because TRLIA's application did not adequately address Criterion 6, Levee In-Place Improvement. TRLIA acknowledged that levee setback alternatives for Segment 1 (Feather River below Star Bend) were eliminated at the outset of the FRLRP studies for several reasons, including an earlier conclusion that a setback levee on the lower Bear River would accomplish some of the Feather River benefits that would accrue from a below Star Bend Feather River setback levee. However, to DWR's knowledge no modeling or economic studies were done to quantify the potential benefits of a setback levee in Segment 1 which would connect the proposed Segment 2 Feather River setback levee to the existing Bear River setback. Since the application does not include sufficient information for the State to assess the potential flood risk management benefits of a Segment 1 setback levee, that segment does not meet eligibility Criterion 6.
- The total of all State contributions towards the Feather River Levee Repair Project from the EIP Grant Program would not exceed an estimated \$138.51 million pending any adjustments to be made upon review of estimated ineligible costs incurred prior to bond passage on November 7, 2006.
- TRLIA must provide detailed information (with supporting documentation) for DWR to determine the costs that were incurred on the FRLRP before November 7, 2006. Costs that were incurred prior to this date are not eligible for reimbursement.

Subsequent to the Preliminary Notification Letter, TRLIA provided all required information and diligently worked with the State through the terms of the Grant funding. The agreement allows for TRLIA to receive advance funding for 75% of costs expected to occur in the quarter, advance payment for all real estate costs associated with the project, and payments for local share amounts up to \$12.9 million, an amount equal to credit for costs incurred since the Bond was passed on November 6, 2007. The remaining 25% of quarterly expected costs will be reimbursed upon submittal of appropriate documentation as those costs are incurred and the State will holdback 10% of all costs, except real estate, until completion of Project Elements. The Funding Agreement was executed on April 25, 2008 and TRLIA received the first disbursement in May, 2008.

In order for the State to approve the \$138.51 million Funding Agreement, TRLIA was required to provide details of a reliable local funding source. The TRLIA program has historically been locally funded through agreements with developing landowners to provide advance funding of impact fees at the time of building permit and/or final map. However, due to the continued housing market decline, landowner funding has become unreliable. Therefore, TRLIA has worked with Yuba County, Yuba County Water Agency, Reclamation District 784, and one Local Land Owner to fund the local Share as detailed in the DWR/TRLIA Funding Agreement. Details of the financial terms with

Yuba County and YCWA can be found in the *Agreement for Funding Between Three Rivers Levee Improvement Authority, County of Yuba, and Yuba County Water Agency*.

This proposed budget includes anticipated expenditures associated with aggressively moving the TRLIA program forward to achieve greater than 200-year flood protection for South Yuba County in 2008 with funding from the State of California grant, Yuba County, and the Yuba County water Agency as described above.

The graphical chart on page 10 shows the anticipated FY2008/09 expenditures and revenues. The expenditures are based on the TRLIA cash flow spreadsheet dated 7-8-08 and project schedules shown in Appendix A. The monthly revenues are based on: 1) the State disbursements over the 12 month period; and 2) local funding provided by Yuba County, the Yuba County Water Agency, and a separate agreement with Axel Karlshoej.

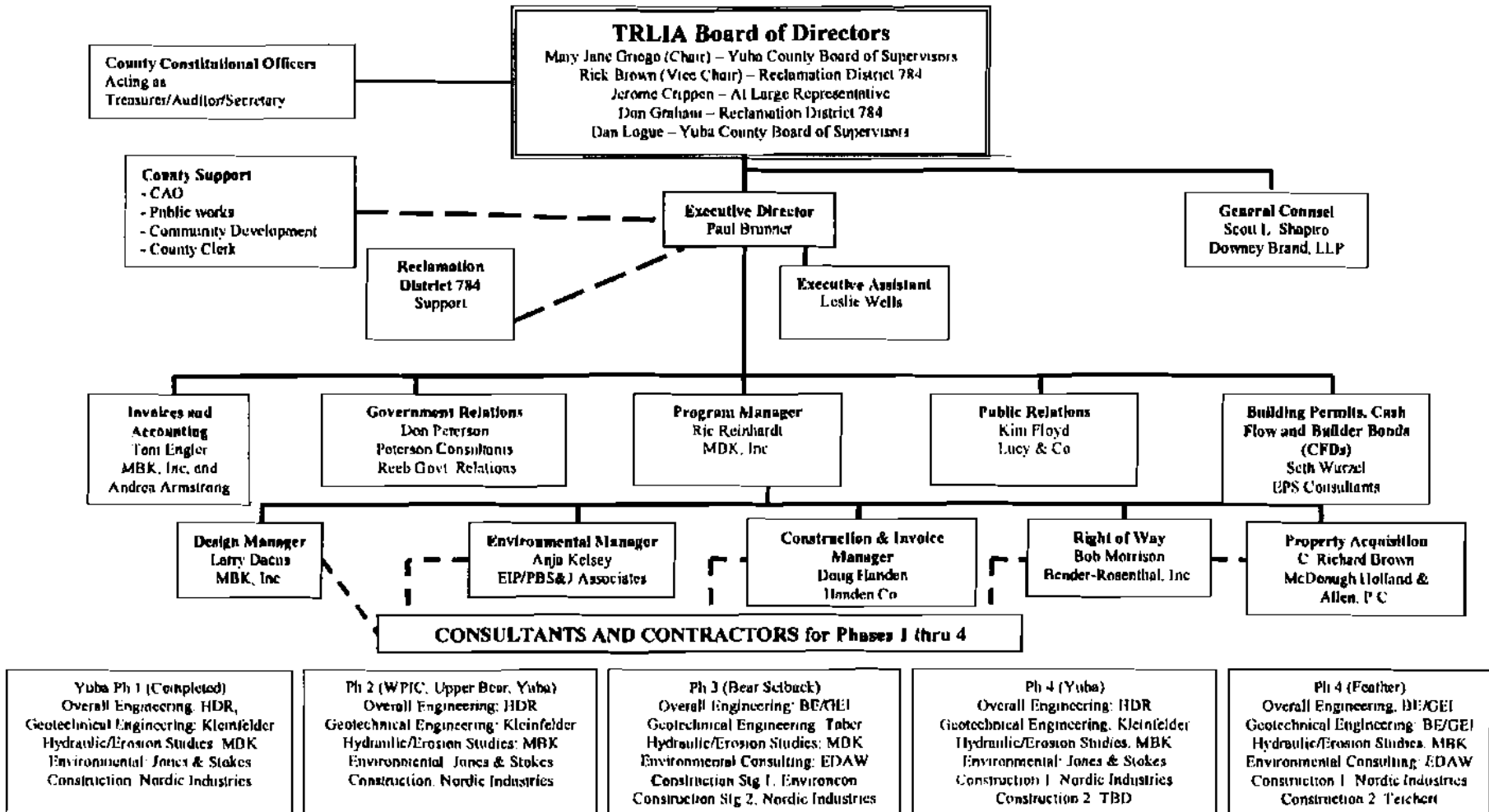
Provided below is the anticipated total cost of the overall project by phase:

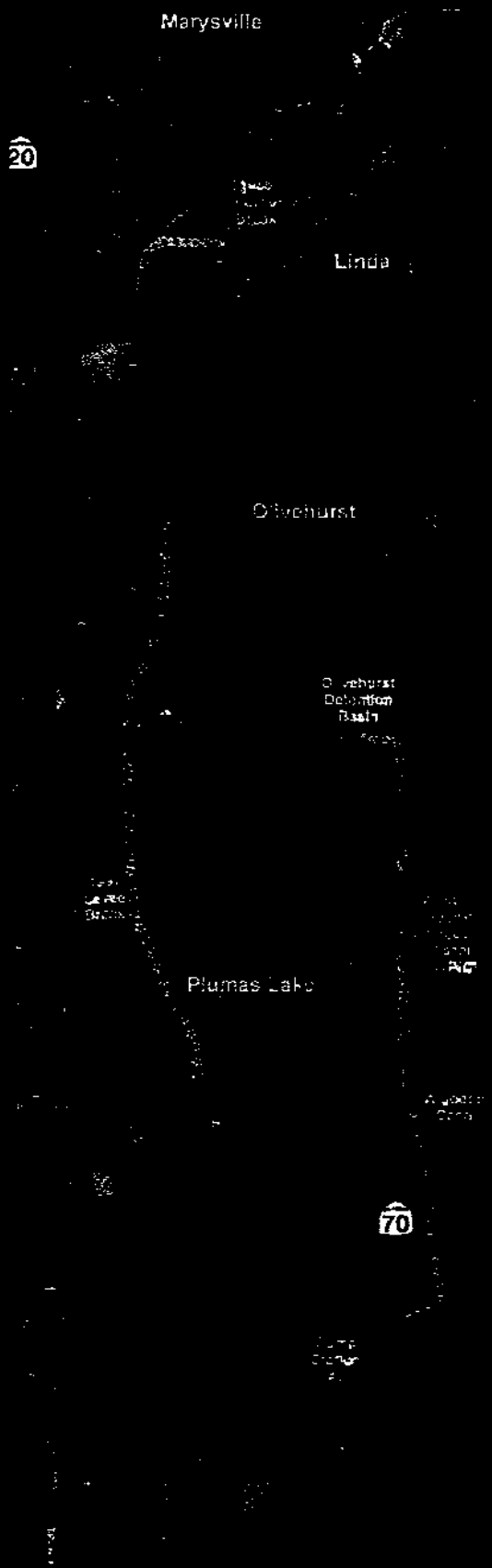
	OVERALL PROJECT TOTAL
PHASE 1	4,784,360
PHASE 2	40,605,738
PHASE 3	75,296,027
PHASE 4 (YUBA)	22,008,419
PHASE 4 (FEATHER SEGMENT 1)	14,457,797
PHASE 4 (FEATHER SEGMENT 2)	170,825,620
PHASE 4 (FEATHER SEGMENT 3)	12,070,396
OLIVEHURST DETENTION BASIN	7,383,350
PROJECT CONTINGENCY	11,654,690
INTERIM O&M	750,000
REPAYMENT OF BRIDGE LOAN	2,026,113
<b>TOTAL</b>	<b>361,862,511</b>

This proposed budget also includes:

- The cost of the TRLIA management team and associated support costs (e.g. office space, etc.), see organizational chart on page 5.
- An estimate for TRLIA to temporarily provide support to RD 784 to maintain the levees in the South Yuba area until the TRLIA project is complete or an assessment District is approved by residents. This estimate includes \$500,000 in FY 08/09.
- Phase 2 real estate for Olivehurst Detention Basin, and Harmon/Auburn Manor- Remaining negotiated payments.

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





**Phase 1 Levee Repairs (2004)**

- Yuba Levee: 2,200-foot long, 58-foot deep slurry wall to provide a cutoff of underseepage

**Phase 2 Levee Repairs (2005)**

- Yuba Levee: 90- and 300-foot wide landside seepage berms to protect against underseepage
- Orbehurst Detention Basin: New detention pond adjacent to the Clark Lateral Canal and a new pump station
- Upper WPRC Levee: 500-foot long, 38-foot deep slurry cutoff wall and an 1,100-foot, 44-foot deep slurry cutoff wall to minimize underseepage at Plumas Lake
- Lower WPRC 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 WPRC to provide erosion protection

**Phase 2 Levee Repairs (2006)**

- Orbehurst Detention Basin: Ring Levee between SR-70 and the Clark Lateral Levee
- WPRC Levee: Levee crown raise to provide adequate freeboard
- Lower Bear Levee: Levee crown raise to provide adequate freeboard and a waterline 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 3 Levee Repairs (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 salt-resistant slurry cutoff wall
- Construction of setback levee tie-in embankment with existing Feather River Levee
- Installation of two relief wells
- Investigation of three archeological areas revealed during construction

**Phase 3 Levee Repairs (2006)**

- Demolition of existing homes and structures within the setback levee area
- Clearing and grubbing of remaining trees in setback area
- Construction of setback levee embankment (approx. 800,000 cy)
- Installation of approximately 14 relief wells
- Construction of two detention basins with total capacity of 300 acre-feet
- Removal of portions of the existing Bear and Feather River Levees
- Construction of a Goodplains swale to mitigate for potential fish stranding

**Phase 3 Levee Repairs (2006/2007)**

- Environmental restoration of setback area and existing Bear River roadway

**Phase 4 Levee Repairs (2006)**

- Yuba Levee: Cut-off wall between the UPRR and Simpson Lane to protect against underseepage.

**Phase 4 Levee Repairs (2007/2008)**

- TRPA Board adopts Feather River Setback Levee Alternative February 6th, 2007.
- Feather River Levee: Strengthen-in-place and Setback levee (Under design/construction).
- Yuba Levee (NE corner of UPRR & Levee Intersection): Constructed seepage berm and installed two monitoring wells.
- Yuba Levee between Hwy 70 and Simpson Lane levee work to achieve 200-year flood protection goal.
- Yuba River: Levee improvements at the upstream end of the levee near the Goldfields

**TRLIA  
FISCAL YEAR 2008 - 2009  
BUDGET**

**BUDGET ESTIMATED EXPENDITURE DETAIL ROLLUP  
BUDGET FOR THE FISCAL YEAR 2008-2009**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	REQUEST 2008- 2009
805-3350-425-15-00	INSURANCE	196,860 1/
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	122,299,108 2/
	TRLIA Phase 2 Levee Repair	833,109
	TRLIA Phase 3 Levee Repair	3,055,501
	TRLIA Phase 4 Yuba Levee Repair	1,758,238
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	9,302,311
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	96,315,085
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	4,741,222
	Olivehurst Detention Basin	986,410
	Interim O&M	500,000
	Project Contingency	4,806,230
805-3350-425-23-02	PROFESSIONAL SERVICES	569,708
805-3350-425-29-00	TRAVEL	15,500 3/
<b>TOTAL</b>		<b>123,088,909</b>

**BUDGET FOR THE FISCAL YEAR 2008-2009  
ESTIMATED REVENUE**

ACCOUNT NUMBER	REVENUE SOURCE	AMOUNT 2008- 2009
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	538,858
	PROP 13 (OF&G Phases 2 & 3)	7,400,000
	PROP 1E	78,598,401
	COUNTY/YCWA JOINT FINANCING	28,271,703 4/
	ENVIRONMENTAL RESTORATION FUNDING	390,000
	ENVIRONMENTAL REVENUE/ECO FUNDING	3,942,099
	AXEL KARLSHOEJ AGREEMENT	3,290,267
	FUND CARRYOVER FROM 07/08	1,375,766
<b>TOTAL</b>		<b>123,807,094</b>

**Fund Balance 6/30/09      718,185**

- 1/ Costs from 07/08 plus 3% inflation
- 2/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 5.8.08
- 3/ Includes O&M Cost of County Vehicle Provided to TRLIA
- 4/ Includes Impact Fee revenue and Interest on TRLIA account

**TRLIA  
FISCAL YEAR 2008 - 2009  
BUDGET**

**SPECIAL PROJECTS DETAIL (#2301)**

Jul 08 - Jun 09

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ROW ACQUISITION	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper 0	0	0	807,326	0	25,783	0	833,109
TRLIA Phase 3 Levee Repair River Setback Levee	Bear 0	0	0	0	2,960,940	94,561	0	3,055,501
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	868,314	0	0	16,480	800,000	54,445	0	1,759,238
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place	0	7,400,000	1,110,588	503,838	0	287,886	421,934	9,724,244
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	598,215	59,365,836	3,120,000	23,918,191	6,332,000	2,980,743	4,168,323	100,483,408
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place	0	4,167,069	337,422	90,000	0	148,731	215,973	4,957,195
Olivehurst Detention Basin	0	0	0	955,883	0	30,527	0	986,410
Interim O&M	0	0	0	0	0	0	0	500,000
Project Contingency	0	0	0	0	0	0	0	0
<b>TOTALS</b>	<b>1,486,528</b>	<b>70,933,005</b>	<b>4,668,008</b>	<b>28,291,718</b>	<b>10,092,940</b>	<b>3,620,676</b>	<b>4,808,230</b>	<b>122,299,106</b>

**TRLIA PROJECT MANAGEMENT CONTRACTS**

**CONTRACTOR**

Est 08/09

MBK (Prog Mgmt & Design Mgmt)	800,000
EIP (Environmental Mgmt)	See note 2/ below
Downey Brand (Legal Counsel) 1/	438,000
McDonough Holland & Allen (ROW Legal)	100,000
BRI (ROW Mgmt and Acquisition)	2,071,676
Peterson Consultants (Government Relations)	60,000
EPS (Financial Consultant)	180,000
MBK and Mike Hinz (Financial Support and Auditing)	61,000
Lucy Co. (Public Relations)	110,000

**TOTAL 3,620,676**

1/ Downey Brand budget includes General counsel duties

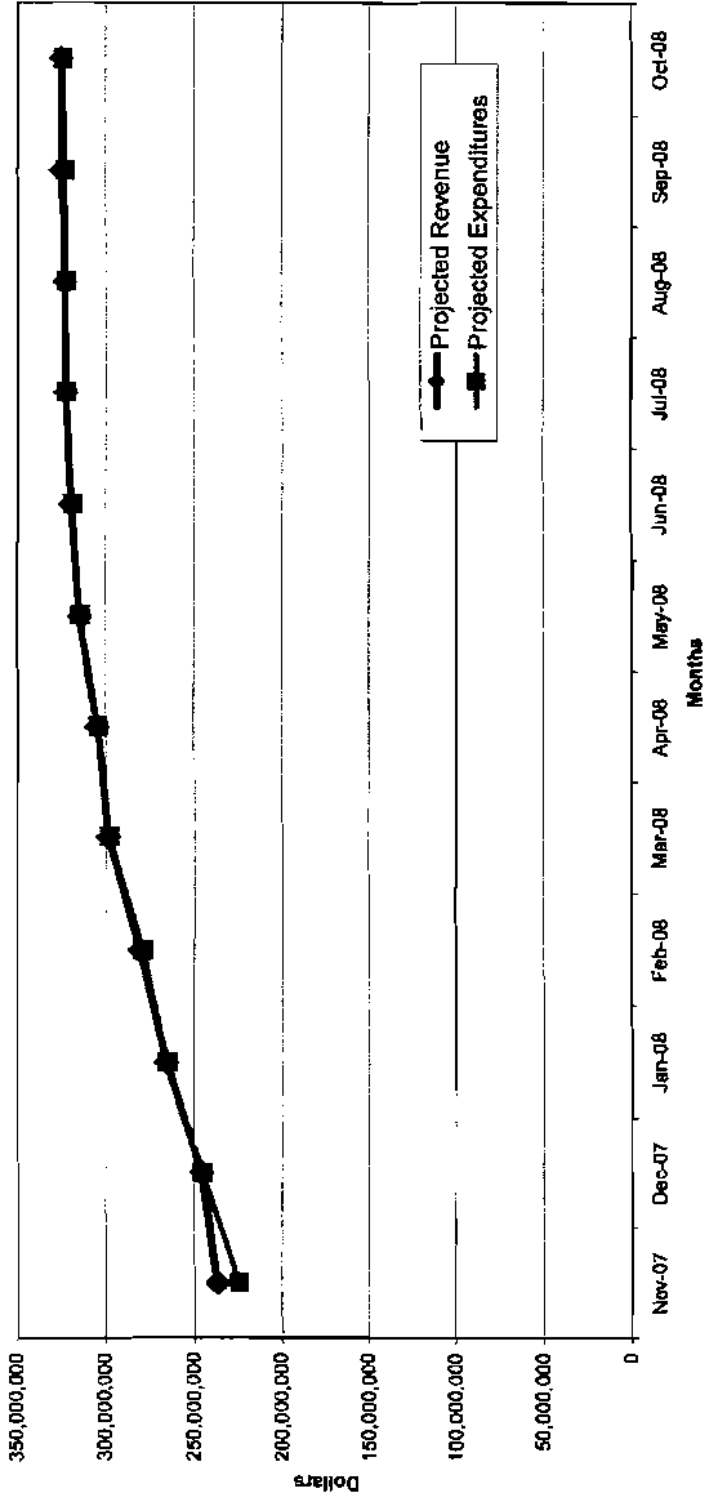
2/ EIP costs are included in Environmental Restoration costs above

**2008/2009 PROFESSIONAL SERVICES DETAIL (#2302)**

<b>DETAIL DESCRIPTION</b>	<b>2008/2009</b>
Public Works Admin Salaries & Benefits	96,708 1/
TRLIA General Expenses (Services, Supplies & Office)	90,000 2/
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	100,000 3/
Administrative Assistants Selary & Benefits	95,000 4/
Clerk of the Board Salary & Benefits	40,000 5/
<b>TOTAL</b>	<b>569,708</b>

- 1/ \$8,059 per month equals 07/08 average
- 2/ Includes \$8,500/mo avg burn rate
- 3/ \$25,000/qtr equals 07/08 average
- 4/ Includes \$15,000 per year for temporary assistance as needed
- 5/ \$10,000/qtr equals 07/08 average

**Estimated Cumulative FY 08/09 Monthly Revenue and Expenditures**



**FUTURE EXPENDITURE AND REVENUE PROJECTIONS  
BUDGET FOR THE FISCAL YEAR 2009-2010**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2009-2010
805-3350-425-15-00	INSURANCE	196,960
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	34,772,966 1/
	TRRIA Phase 2 Levee Repair	0
	TRRIA Phase 3 Levee Repair	1,812,043
	TRRIA Phase 4 Yuba Levee Repair	4,766,559
	TRRIA Phase 4 Feather Levee Repair (Segment 1)	0
	TRRIA Phase 4 Feather Levee Repair (Segment 2)	24,821,592
	TRRIA Phase 4 Feather Levee Repair (Segment 3)	0
	Offwater Detention Basin	0
	Interim O&M	250,000
	Project Contingency	3,122,785
805-3350-425-23-02	PROFESSIONAL SERVICES	498,031
805-3350-425-29-00	TRAVEL	15,500 2/
	<b>TOTAL</b>	<b>36,491,694</b>

ESTIMATED REVENUE		Estimated 2009-2010
ACCOUNT NUMBER	REVENUE SOURCE	
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0
	PROP 13 (DF&G Phases 2 & 3)	0
	PROP 1E	12,400,360
	COUNTY/CWA JOINT FINANCING	15,302,566
	ENVIRONMENTAL RESTORATION FUNDING	7,570,000
	ENVIRONMENTAL REVENUE/ECO FUNDING	0
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 0809	716,165
	<b>TOTAL</b>	<b>35,981,091</b>
	Fund Balance 6/30/10	500,006

1/ Source for Special Project Budget is TRRIA Cash flow Spreadsheet 5.9.08  
2/ Includes O&M Cost of County Vehicle Provided to TRRIA

**BUDGET FOR THE FISCAL YEAR 2010 - BEYOND**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2010-Beyond
805-3350-425-15-00	INSURANCE	196,960 1/
805-3350-425-20-00	MEMBERSHIP	7,735
805-3350-425-23-01	SPECIAL PROJECTS	3,188,366 2/
	TRRIA Phase 2 Levee Repair	0
	TRRIA Phase 3 Levee Repair	0
	TRRIA Phase 4 Yuba Levee Repair	0
	TRRIA Phase 4 Feather Levee Repair (Segment 1)	129,275
	TRRIA Phase 4 Feather Levee Repair (Segment 2)	2,493,705
	TRRIA Phase 4 Feather Levee Repair (Segment 3)	104,436
	Offwater Detention Basin	471,971
	Interim O&M	0
	Project Contingency	0
805-3350-425-23-02	PROFESSIONAL SERVICES	299,819
805-3350-425-29-00	TRAVEL	10,000 3/
	<b>TOTAL</b>	<b>3,703,786</b>

1/ Costs from 0807 plus 3% Inflation  
2/ Source for Special Project Budget is TRRIA Cash flow Spreadsheet 5.8.08  
3/ Includes O&M Cost of County Vehicle Provided to TRRIA

**BUDGET FOR THE FISCAL YEAR 2010 - BEYOND  
ESTIMATED REVENUE**

ACCOUNT NUMBER	REVENUE SOURCE	Estimated 2010-Beyond
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0
	PROP 13 (DF&G Phases 2 & 3)	0
	PROP 1E	178,062
	COUNTY/CWA JOINT FINANCING	3,025,738
	ENVIRONMENTAL RESTORATION FUNDING	0
	ENVIRONMENTAL REVENUE/ECO FUNDING	0
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 0809	500,000
	<b>TOTAL</b>	<b>3,703,798</b>
	Ending Balance	0

**2009/2010 & 2010-Beyond Special Projects Detail (#2301)**

**SPECIAL PROJECTS DETAIL (#2301)**

Jul '09 - Jun '10

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	RAW	ACQ	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT 1/	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair River Setback Levee	Bear	0	0	0	0	1,812,043	0	0	1,812,043
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR		147,128	3,981,522	371,271	0	0	286,648	0	4,766,569
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place		0	0	0	0	0	0	0	0
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback		0	14,200,000	1,300,000	0	7,570,000	917,102	834,489	24,821,592
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place		0	0	0	0	0	0	0	0
Olivehurst Detention Basin		0	0	0	0	0	0	0	0
Interim O&M									260,000
Project Contingency								3,122,765	3,122,765
<b>TOTALS</b>		<b>147,128</b>	<b>18,181,522</b>	<b>1,671,271</b>	<b>0</b>	<b>9,382,043</b>	<b>1,183,750</b>	<b>3,957,254</b>	<b>34,772,968</b>

1/ TRLIA Consultants

**SPECIAL PROJECTS DETAIL (#2301)**

Jul '10 and Beyond

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	RAW	ACQ	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT 1/	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Bear, WPIC & Yuba to UPRR	Upper	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair River Setback Levee	Bear	0	0	0	0	0	0	0	0
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR		0	0	0	0	0	0	0	0
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place		0	0	0	0	0	47,104	82,172	129,275
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback		0	0	0	0	0	908,624	1,586,082	2,493,705
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place		0	0	0	0	0	38,053	66,382	104,435
Olivehurst Detention Basin		0	0	0	0	300,000	171,971	0	471,971
Interim O&M									0
Project Contingency								0	0
<b>TOTALS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>1,165,751</b>	<b>1,733,636</b>	<b>3,199,386</b>

1/ TRLIA Consultants

**2009/2010 & 2010-BEYOND PROFESSIONAL SERVICES DETAIL (#2302)**

<b>DETAIL DESCRIPTION</b>	<b>2009/2010</b>
Public Works Admin Salaries & Benefits	72,531
TRLIA General Expenses (Services, Supplies & Office)	67,500
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	75,000
Administrative Assistant Salary & Benefits	95,000 1/
Clerk of the Board Salary & Benefits	40,000
<b>TOTAL</b>	<b>498,031</b>

1/ Includes \$15,000 per year for temporary assistance as needed

<b>DETAIL DESCRIPTION</b>	<b>2010-BEYOND</b>
Public Works Admin Salaries & Benefits	43,519
TRLIA General Expenses (Services, Supplies & Office)	40,500
Executive Director Salary & Benefits	88,800
CAO, Auditor & Treasurer Salary & Benefits	45,000
Administrative Assistant Salary & Benefits	48,000
Clerk of the Board Salary & Benefits	24,000
<b>TOTAL</b>	<b>289,819</b>

1/ Includes \$15,000 per year for temporary assistance as needed



# Three Rivers Levee Improvement Authority

## Project Schedule

ID	Task Name	2006				2007				2008				2009														
		D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
1	Phase 1 - Yuba River																											
2	Phase 2 - Yuba, WPIC, & Bear																											
3	Phase 3 - Bear River Setback Levee																											
4	Phase 4 Yuba																											
5	Certification - Phase 1, 2, 3 and Portion of Phase 4 Yuba																											
6	Additional Phase 4 Yuba (/1)																											
7	<b>Phase 4 Feather - Segment 1</b>																											
8	Alternatives Analysis																											
9	Design/Engineering																											
10	Permitting																											
11	Land Acquisition																											
12	Construction																											
13	<b>Phase 4 Feather - Segment 2</b>																											
14	Alternatives Analysis																											
15	Design/Engineering																											
16	Permitting																											
17	Land Acquisition																											
18	Construction - Foundation																											
19	Construction - Embankment																											
20	Construction - Embankment (/2)																											
21	Construction - Tie - Ins																											
22	Degrade Existing Levee																											
23	<b>Phase 4 Feather - Segments 3</b>																											
24	Alternatives Analysis																											
25	Design/Engineering																											
26	Permitting																											
27	Land Acquisition																											
28	Construction																											
29	<b>200 Year Facilities Complete (/2)</b>																											

/1 - Construction dependent on hydraulic analysis by MBK Engineers and the Corps  
 /2 - Dependent on Federal permits and weather