

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

AUGUST 04, 2009 – 3:00 P.M.

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

Final Budget Hearings – Fiscal Year 2009/2010

(Hearing may be continued on a day-to-day basis through August 17, 2009)

I **ROLL CALL** – Directors Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti

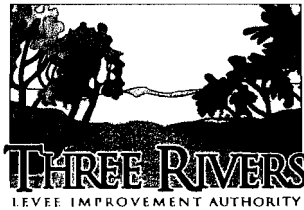
II **PUBLIC HEARINGS – FINAL BUDGET FISCAL YEAR 2009/2010**

- A. Executive Director: Present overview and recommendation for Fiscal Year 2009/2010 Final Budget.
- B. Board of Directors: Consider and discuss Fiscal Year 2009/2010 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 Hearing.
- D. Board of Directors: Provide direction to staff and take action as appropriate for Fiscal Year 2009/2010 Final Budget.

III **RECESS TO DATE AND TIME CERTAIN OR ADJOURN**

The complete agenda, including backup material, is available at the Yuba County Government Center, 915 8th Street, Suite 109, the County Library at 303 Second Street, Marysville, and www.trlia.org. Any disclosable public record related to an open session item on the agenda and distributed to all or a majority of the Board of Directors less than 72 hours prior to the meeting are available for public inspection at Suite 109 during normal business hours.

In compliance with the American with Disabilities Act, the meeting room is wheelchair accessible and disabled parking is available. If you have a disability and need disability-related modifications or accommodations to participate in this meeting, please contact the Clerk of the Board's office at (530) 749-7510 or (530) 749-7353 (fax). Requests must be made one full business day before the start of the meeting.



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218

Marysville, CA 95901

Office (530) 749-7841 Fax (530) 749-6990

August 4, 2009

TO: Three Rivers Levee Improvement Authority Board
FROM: Paul Brunner, Executive Director *PJB*
SUBJECT: Acceptance of Budget for Fiscal Year 2009-10

Recommended Action:

Approve the Executive Director's Proposed Budget for Fiscal Year 2009-10 with proposed amendments.

Discussion:

At the June 16, 2009 TRLIA Board meeting the TRLIA Board accepted the proposed 2009/2010 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 16th for hearing on July 28. The notice was re-posted on July 23rd for the August 4th meeting date.
2. Budget Hearing to be scheduled to begin on Tuesday, July 21, 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 and then postponed until August 4, 2009 at 3:00.

The following amendments are proposed for the proposed budget that was presented on June 16, 2009.

1. Revised page 1 and 3 to show new date of budget and budget letter
2. Revised page 10 to show:
 1. Actual end of the year fund carryover, which increased due to additional Prop 1E funds being received in FY08/09
 2. Adjusted the Prop 1E funds projected for FY09/10 due to receiving more Prop 1E funds in FY08/09
 3. Adjusted the County/YCWA projected for FY09/10 due to receiving more Prop 1E funds in FY08/09

4. Adjusted Axel Karlshoej Agreement amount
 5. Adjusted the Professional Services expenses to reflect additional public works admin services costs
 6. Adjusted the overall fund balance and expenses projected for 6/30/10 due to the changes listed above.
3. Revised Page 12 to reflect additional Professional Services expenses for public works admin services costs
 4. Revised Page 13 to show:
 1. Adjusted the Prop 1E funds projected for FY09/10 due to receiving more Prop 1E funds in FY08/09
 2. Adjusted Axel Karlshoej Agreement amount
 3. Adjusted the projected fund carryover from FY09/10
 4. Adjusted the Professional Services expenses to reflect a full year of services
 5. Adjusted the overall fund balance and expenses projected for 6/30/10 due to the changes listed above.
 6. Added footnotes 2 and 3
 5. Revised Page 15 to increase Professional Services to a full year of expenses

The following text was provided in the TRLIA staff report for the June 16, 2009 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 2009-10 TRLIA budget for your consideration. Funding for the Fiscal Year 2009-10 budget comes from essentially two areas: 1) the Feather River Levee \$138.5 million DWR/TRLIA Prop 1E funding agreement and local funding agreements with Yuba County, YCWA, RD784, and a local landowner; 2) the proposed Yuba River Levee \$67 million DWR/TRLIA Prop 1E funding agreement.

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. In its entirety, the proposed cost to complete this project is in excess of \$400 million.

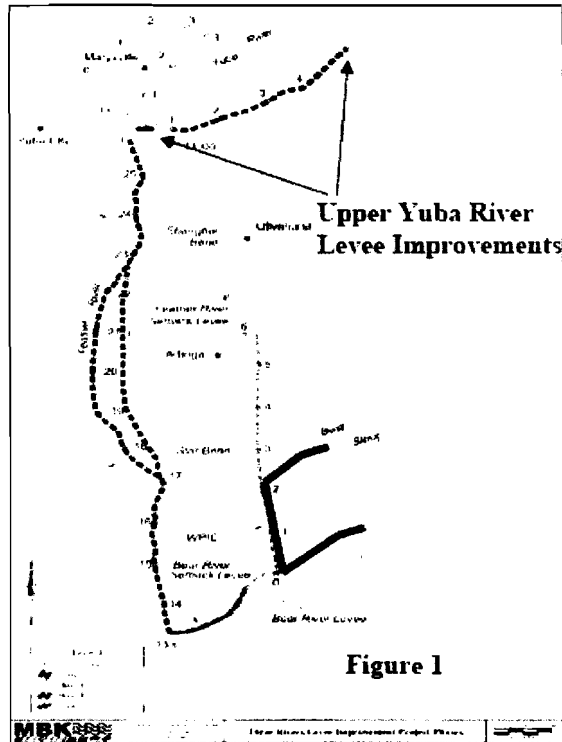
There are four phases to this capital improvement program.

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



Key highlights from Fiscal Year 2008-2009:

- Major Portions of Feather River Segment 2 were completed that did not require Federal authorization
- The Federal Environmental Impact Statement (EIS), 408 Authorization, and 404 permit were completed, which allowed the Segment 2 levee tie-ins to begin construction and existing Segment 2 levee to be degraded.
- TRLIA formed the TRLIA Benefit Assessment District after a successful balloting process that yielded a 62% by weight favorable property owner vote.
- TRLIA discovered a new Native American Indian burial site near Star Bend that interfered with the existing Segment 2 levee alignment. TRLIA staff was able to reach a quick solution on how to proceed with State, Corps, and Enterprise Rancheria, the designated Most Likely Descendent (MLD).
- Feather River Segments 1 & 3 were substantially completed
- A crack in Segment 1 near Star Bend formed during construction of the slurry wall. Through out last year TRLIA worked with DWR and the Corps to gather needed information to determine final solution. The final solution is near and is planned to be implemented in this fiscal year.
- Within the last months of fiscal year 2009-10 it was determined that the previous hydraulic analysis for the Yuba River up stream of Simpson lane and below the Goldfields needed revision. This update has led to significant changes in levee design and cost growth. TRLIA staff quickly moved to apply for an additional \$67 million EIP funding agreement to accomplish the added work. This funding agreement is nearing approval. Below is the proposed State and Local cost share breakout for this work.

**TRLIA Yuba EIP Financial Plan
Local Sources & Uses Statement**

Item	Amount
YUBA PROJECT USES	
Prior Complete Yuba Work	
Phase 2 and Phase 4 Yuba Work	\$ 7,682,162
Upper Yuba Project	
Slurry Wall - Sta 102+50 to 303+59	\$ 52,206,800
Waterside Levee Slope Erosion Protection - Sta 272+00 to 303+59	\$ 6,617,900
Flatten Waterside Levee Slope - Sta 3+00 to 33+50	\$ 1,314,100
Sub-Total All Upper Yuba Costs	\$ 60,138,800
TOTAL YUBA PROJECT USES	\$ 67,820,962
State Share Uses	\$ 47,474,674
Local Share Uses	\$ 20,346,289
LOCAL FUNDING SOURCES	
Proposed Credit from Feather River Segment 1 EIP Grant	
Proposed EIP Grant Funding	\$ 10,170,436
Credit from Prior Completed Yuba Work	
Proposed EIP Grant Funding	\$ 5,377,514
Local Cash Sources	
Previously Expended Local Funds	\$ 2,304,649
Remaining Local Funding Budgeted for Upper Yuba	\$ 5,397,182
TOTAL LOCAL SOURCES	\$ 23,249,780
Local Share Uses less Local Share Sources	\$ (2,903,492)

Key highlights that the proposed 2009-10 TRLIA Budget accomplishes:

- Completion of the Feather River Setback including levee tie-ins and existing Segment 2 levee degrade
- Completion of Feather River Segment Crack levee fix
- Completion of Feather River Erosion Site 2 which is contained in Feather River Segment 3

- FEMA Certification of Feather River levee Segments 1, 2, and 3
- Completion of Yuba River Levee slope flattening work between Hwy 70 and the UPRR railway
- Completion of environmental documents and design of the work proposed for the Upper Yuba River levee between Simpson Lane and Goldfields
- This years proposed budget does contain an interim O&M line item

Fiscal Impact

Proposed appropriations for FY2009-10 total in excess of \$85 million, which includes substantial funding from State Prop 1E funding. The expenditures anticipated for the next fiscal year are estimated to be in excess of \$75 million. This will leave approximately \$10 million dollars to continue project work into fiscal year 2010-11.

Attachment:

1. Proposed Amendments
2. Proposed Final Budget with amendments incorporated



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Proposed for the proposed budget that was presented on June 16, 2009

1. Revised page 1 and 3 to show new date of budget and budget letter
2. Revised page 10 to show:
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**THREE RIVERS LEVEE
IMPROVEMENT
AUTHORITY**

**2009/10 Budget
Proposed Final with Amendments**



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

August 4, 2009

**Three Rivers Levee Improvement Authority
(TRLIA) FY 2009/2010 Budget
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August 4, 2009

To: Three Rivers Levee Improvement Authority Board
 From: Paul G. Brunner, Executive Director
 Re: Proposed Budget for Fiscal Year 2009-10

I am pleased to submit the TRLIA budget for FY09/10. This budget represents a continuation of the aggressive actions that TRLIA has accomplished since its conception in 2004. Outlined 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. 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. In its entirety, the cost to complete this project is approximately \$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
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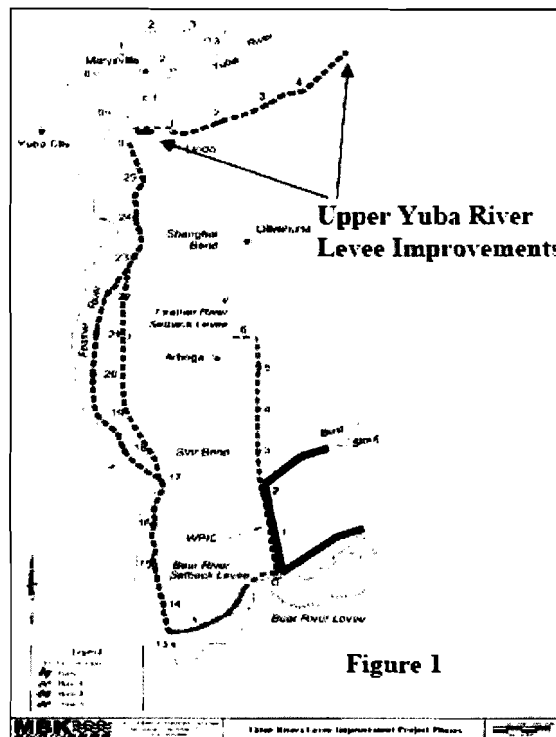


Figure 1

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** – Strengthened the existing Yuba River left (south) levee between Highway 70 and approximate Yuba River Project Levee Mile (PLM) 0.8. This work was completed in 2004 and received certification from the Corps May 8, 2007.

- **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. This work was completed in 2006 and received certification from the Corps May 8, 2007.

- **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 (BRSL). Levee work was completed in 2006 and environmental restoration work is ongoing. Corps certification was received May 8, 2007.

- **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 is being funded through 2007 EIP and local funding. The FRLRP 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 substantially completed in 2008. 100-year certification is anticipated in 2009.

- **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) - Setback levee construction following the ASB alignment and Pump Station No. 3 relocation. This includes the portion of levee that broke in 1997. Construction of the Setback levee began in 2008 and completion is scheduled for 2009. 100-year certification is anticipated in 2009.

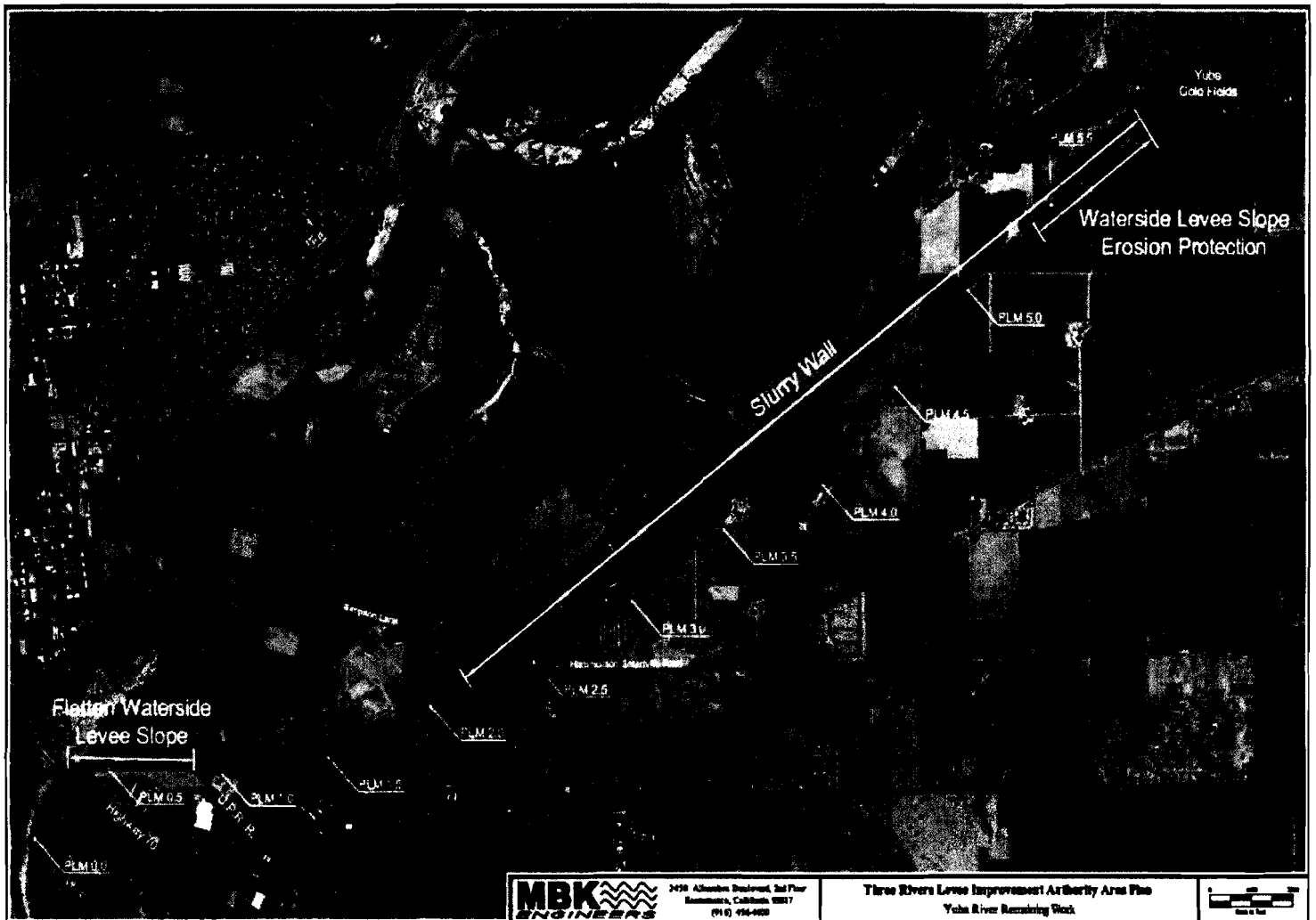
- **Segment 3:** From Feather River PLM 23.6 to PLM 26.1 and from Yuba River PLM 0.0 to the WPRR crossing at about PLM 0.3 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms and monitoring wells; and levee freeboard mitigation. This work

was substantially completed in 2008. 100-year certification is anticipated in 2009.

○ **Phase 4 Yuba** – The first portion of Phase 4 Yuba included strengthening the existing Yuba River left bank levee above the SPRR crossing to Simpson Lane and adding a seepage berm adjacent to the SPRR crossing. This work was completed in 2006 and received 100-year certification from the Corps May 8, 2007.

○ **Phase 4 Yuba (remaining work between Highway 70 and Goldfields west boundary)** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Project and is being proposed to be funded through the 2009 EIP and local funding. This work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection from Highway 70 upstream to the Yuba Goldfield. See figure 2.

Figure 2 – Upper Yuba River Levee Improvement Project



Key highlights from Fiscal Year 2008-2009:

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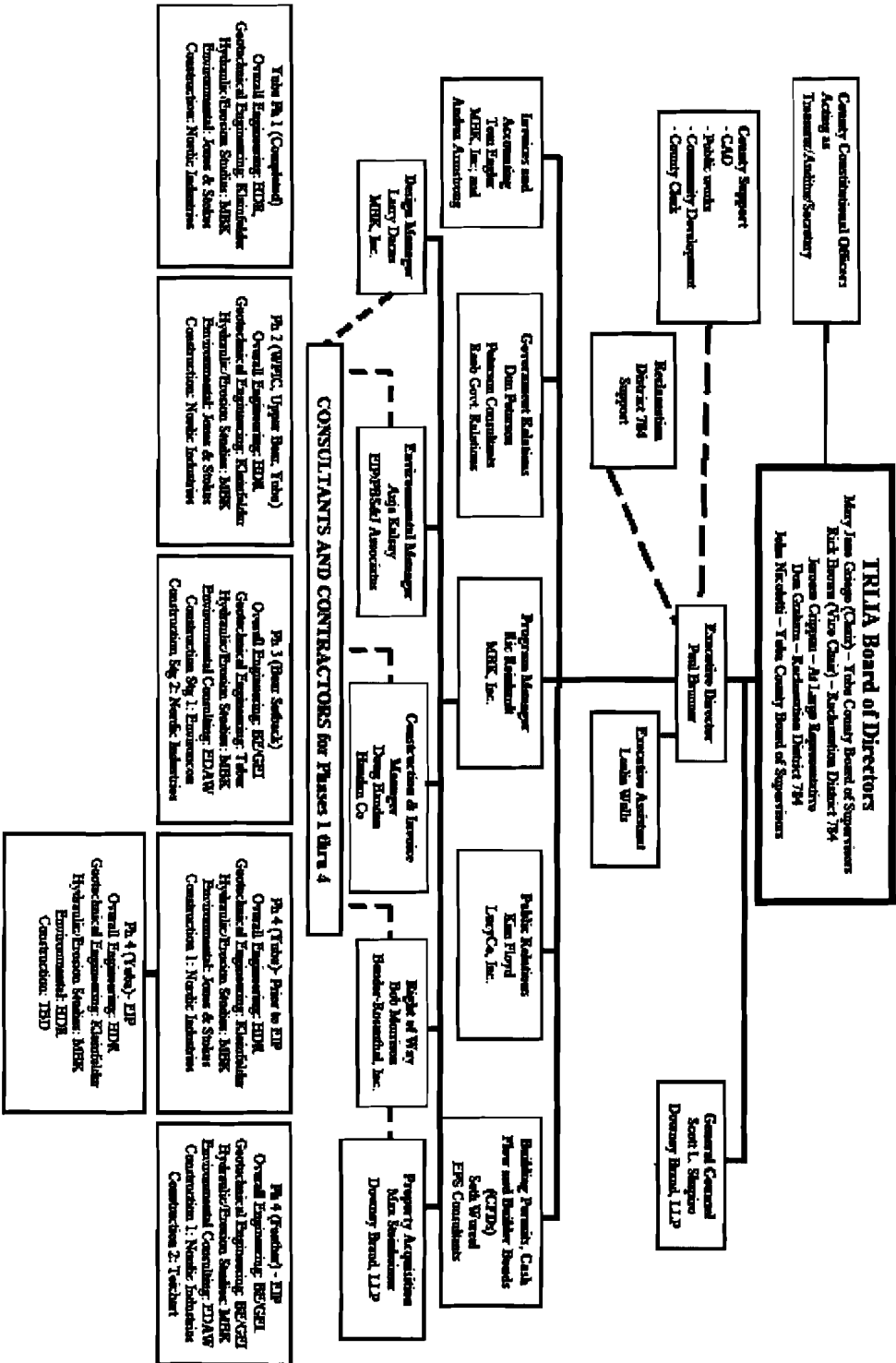
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- Completion of environmental documents and design of the work proposed for the Upper Yuba River levee between Simpson Lane and Goldfields
- This years proposed budget does contain an interim O&M line item

Projected Overall Cost and Schedule of the TRLIA Program:

Below is a chart that outlines the anticipated program cost by Phase. TRLIA staff is working aggressively to complete all levee work by the end of calendar year 2010; however, weather or regularly issues may delay work into 2011.

OVERALL PROJECT COSTS BY PHASE	
	OVERALL PROJECT TOTAL
PHASE 1	4,570,743
PHASE 2	39,600,030
PHASE 3	60,342,896
PHASE 4 (YUBA)	71,912,957
PHASE 4 (FEATHER SEGMENT 1)	14,647,930
PHASE 4 (FEATHER SEGMENT 2)	162,718,211
PHASE 4 (FEATHER SEGMENT 3)	13,609,376
OLIVEHURST DETENTION BASIN	6,983,926
PROJECT CONTINGENCY	10,377,101
INTERIM O&M	388,038
TRLIA OVERHEAD & ADMIN	12,602,722
TOTAL	397,753,930

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



**TRLIA
FISCAL YEAR 2009-2010
BUDGET**

**BUDGET ESTIMATED EXPENDITURE DETAIL ROLLUP
BUDGET FOR THE FISCAL YEAR 2009-2010**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	REQUEST 2009- 2010	
805-3350-425-15-00	INSURANCE	265,000	
805-3350-425-20-00	MEMBERSHIP	10,000	
805-3350-425-23-01	SPECIAL PROJECTS	74,679,777	1/
	TRLIA Phase 2 Levee Repair	0	
	TRLIA Phase 3 Levee Repair	2,998,616	
	TRLIA Phase 4 Yuba Levee Repair	6,492,207	
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	1,465,787	
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	60,355,967	
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	917,200	
	Olivehurst Detention Basin	0	
	Interim O&M	0	
	Project Contingency	2,450,000	2/
805-3350-425-23-02	PROFESSIONAL SERVICES	634,000	
805-3350-425-29-00	TRAVEL	20,000	3/
TOTAL		75,608,777	

**BUDGET FOR THE FISCAL YEAR 2009-2010
ESTIMATED REVENUE 1/**

ACCOUNT NUMBER	REVENUE SOURCE	AMOUNT 2009- 2010
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	538,858
	PROP 13 (DF&G Phases 2 & 3)	261,468
	PROP 1E Yuba	11,572,798
	PROP 1E Feather	25,482,181
	TRLIA Local from Seg 1 & Prior Work	1,863,678
	COUNTY/YCWA JOINT FINANCING	22,703,673
	ENVIRONMENTAL RESTORATION FUNDING	0
	ENVIRONMENTAL REVENUE/ECO FUNDING	419,400
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 08/09	21,903,984
TOTAL		84,746,040

Fund Balance 6/30/10 9,137,263

1/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 6.16.09

2/ Project Contingency over and above the amount included in each line item above

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

SPECIAL PROJECTS DETAIL

(#2301)

Jul 09 - Jun 10

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ROW ACQUISITION	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MGT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	0	0	0	2,933,715	64,901	0	2,998,616
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	3,013,000	866,000	86,600	1,292,520	850,000	131,371	252,716	6,492,207
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place	42,000	677,052	49,000	531,551	0	29,610	136,574	1,465,787
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	390,000	39,482,869	3,107,915	9,820,294	1,233,409	1,165,224	5,156,256	60,355,967
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place	70,000	631,540	52,000	59,341	0	18,894	85,425	917,200
Olivehurst Detention Basin	0	0	0	0	0	0	0	0
Interim O&M	0	0	0	0	0	0	0	0
Project Contingency	0	0	0	0	0	0	2,450,000	2,450,000
TOTALS	3,515,000	41,657,461	3,295,515	11,703,706	5,017,124	1,410,000	8,080,971	74,679,777

TRLIA PROJECT MANAGEMENT CONTRACTS

<u>CONTRACTOR</u>	<u>Management</u>	<u>Permits-R of W</u> 1/
MBK (Prog Mgmt & Design Mgmt)	400,000	200,000
EIP (Environmental Mgmt)	160,000	125,000
Downey Brand (General Counsel)	300,000	100,000
Downey Brand (RofW Counsel) 1/	0	600,000
BRI (ROW Mgmt and Acquisition)	100,000	559,000
Peterson Consultants (Government Relations)	60,000	-
EPS (Financial Consultant)	230,000	-
MBK and Mike Hinz (Financial Support and Auditing)	60,000	-
Lucy Co. (Public Relations)	100,000	-
TOTAL	1,410,000	1,584,000

1/ Permits & R of W PM Contract Budget included within the Design and ROW Acquisition Budgets in the Special Projects Detail above.

2009/2010 PROFESSIONAL SERVICES DETAIL (#2302)

DETAIL DESCRIPTION	2009/2010
Public Works Admin Salaries & Benefits	161,000
TRLIA General Expenses (Services, Supplies & Office)	90,000 1/
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	100,000
Administrative Assistants Salary & Benefits	95,000 2/
Clerk of the Board Salary & Benefits	40,000
TOTAL	634,000

1/ \$7,500 per month

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

**FUTURE EXPENDITURE AND REVENUE
PROJECTIONS**

**BUDGET FOR THE FISCAL YEAR
2010-2011**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2010-2011	
805-3350-425-15-00	INSURANCE	265,000	
805-3350-425-20-00	MEMBERSHIP	10,000	
805-3350-425-23-01	SPECIAL PROJECTS	65,200,686	1/
	TRLIA Phase 2 Levee Repair	0	
	TRLIA Phase 3 Levee Repair	0	
	TRLIA Phase 4 Yuba Levee Repair	49,316,584	
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	0	
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	15,625,014	
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	0	
	Olivehurst Detention Basin	259,088	
	Interim O&M	0	
	Project Contingency	0	
805-3350-425-23-02	PROFESSIONAL SERVICES	634,000	
805-3350-425-29-00	TRAVEL	20,000	2/
TOTAL		66,129,686	

ESTIMATED REVENUE

ACCOUNT NUMBER	REVENUE SOURCE 1/	Estimated 2010-2011	
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0	
	PROP 13 (DF&G Phases 2 & 3)	0	
	PROP 1E Yuba	30,524,362	
	PROP 1E Feather	11,003,608	
	TRLIA Local from Seg 1 & Prior Work	13,684,272	
	COUNTY/YCWA JOINT FINANCING	0	
	ENVIRONMENTAL RESTORATION FUNDING	0	
	ENVIRONMENTAL REVENUE/ECO FUNDING	0	
	AXEL KARLSHOEJ AGREEMENT	3,290,267	3/
	FUND CARRYOVER FROM 09-10	9,137,263	
TOTAL		67,639,772	

Fund Balance 6/30/11 1,510,086

1/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 6.16.09

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

3/ Maximum revenue shown based on agreement. Amount may vary depending upon cash need.

2010/2011 Special Projects Detail (#2301)

SPECIAL PROJECTS DETAIL
 (#2301)

Jul '10 - Jun '11

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	R/W ACQ	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	0	0	0	0	0	0	0
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	430,000	38,154,200	4,019,800	0	0	800,000	5,912,584	49,316,584
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	0	0	13,956,299	102,060	100,000	1,466,655	15,625,014
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	259,088	0	0	259,088
Interim O&M								
Project Contingency								
TOTALS	430,000	38,154,200	4,019,800	13,956,299	361,148	900,000	7,379,239	65,200,686

2010-2011 Professional Services (#2302)

DETAIL DESCRIPTION	20010/2011	
Public Works Admin Salaries & Benefits	161,000	
TRLIA General Expenses (Services, Supplies & Office)	90,000	1/
Executive Director Salary & Benefits	148,000	
CAO, Auditor & Treasurer Salary & Benefits	100,000	
Administrative Assistants Salary & Benefits	95,000	2/
Clerk of the Board Salary & Benefits	40,000	
TOTAL	634,000	

1/ \$7,500 per month

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

Appendix A – Yuba River Levee EIP Project Schedule

Task Name	Start	Finish	2008												2009												2010											
			J	J	A	S	O	N	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					
Slope Flattening	Tue 7/1/08	Mon 10/26/09	[Gantt bar from July 2008 to October 2009]																																			
Design	Tue 7/1/08	Fri 5/15/09	[Gantt bar from July 2008 to May 2009]																																			
Construction	Tue 9/15/09	Mon 10/26/09	[Gantt bar from September 2009 to October 2009]																																			
Slurry Wall	Mon 12/1/08	Mon 11/1/10	[Gantt bar from December 2008 to November 2010]																																			
Problem Identification	Mon 12/1/08	Fri 4/3/09	[Gantt bar from December 2008 to April 2009]																																			
Design	Mon 4/6/09	Fri 9/18/09	[Gantt bar from April 2009 to September 2009]																																			
Real Estate	Mon 9/21/09	Thu 1/21/10	[Gantt bar from September 2009 to January 2010]																																			
Permitting and Compliance	Mon 6/29/09	Tue 6/8/10	[Gantt bar from June 2009 to June 2010]																																			
CEQA/NEPA	Mon 6/29/09	Thu 12/10/09	[Gantt bar from June 2009 to December 2009]																																			
408 Approval	Thu 12/10/09	Tue 6/8/10	[Gantt bar from December 2009 to June 2010]																																			
Construction	Thu 7/1/10	Mon 11/1/10	[Gantt bar from July 2010 to November 2010]																																			
Erosion Protection	Tue 7/1/08	Mon 11/1/10	[Gantt bar from July 2008 to November 2010]																																			
Design	Mon 2/9/09	Fri 6/12/09	[Gantt bar from February 2009 to June 2009]																																			
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408 Approval	Thu 12/10/09	Tue 6/8/10	[Gantt bar from December 2009 to June 2010]																																			
HCP Approval	Tue 7/1/08	Fri 5/1/09	[Gantt bar from July 2008 to May 2009]																																			
Elderberry Transplant Window	Sun 11/1/09	Mon 2/15/10	[Gantt bar from November 2009 to February 2010]																																			
Construction	Thu 7/1/10	Mon 11/1/10	[Gantt bar from July 2010 to November 2010]																																			

**THREE RIVERS LEVEE
IMPROVEMENT
AUTHORITY**

2009/10 Budget Proposal



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

June 16, 2009

**Proposed Three Rivers Levee Improvement Authority
(TRLIA) FY 2009/2010 Budget
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THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218

Marysville, CA 95901

Office (530) 749-7841 Fax (530) 749-6990

June 16, 2009

To: Three Rivers Levee Improvement Authority Board
 From: Paul G. Brunner, Executive Director
 Re: Proposed Budget for Fiscal Year 2009-10

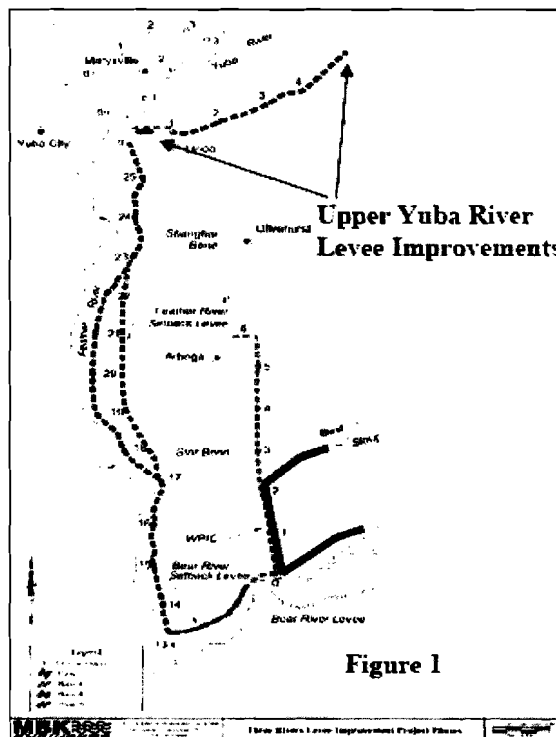
I am pleased to submit this proposed TRLIA budget for FY08/09. This proposed budget represents a continuation of the aggressive actions that TRLIA has accomplished since its conception in 2004. Outlined in this budget submittal is an ambitious State and Local capital improvement program specifically 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. In its entirety, the proposed cost to complete this project is approximately \$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. 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. This work was completed in 2004 and received certification from the Corps May 8, 2007.

- **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. This work was completed in 2006 and received certification from the Corps May 8, 2007.

- **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 (BRSL). Levee work was completed in 2006 and environmental restoration work is ongoing. Corps certification was received May 8, 2007.

- **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 is being funded through 2007 EIP and local funding. The FRLRP 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 substantially completed in 2008. 100-year certification is anticipated in 2009.

- **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) - Setback levee construction following the ASB alignment and Pump Station No. 3 relocation. This includes the portion of levee that broke in 1997. Construction of the Setback levee began in 2008 and completion is scheduled for 2009. 100-year certification is anticipated in 2009.

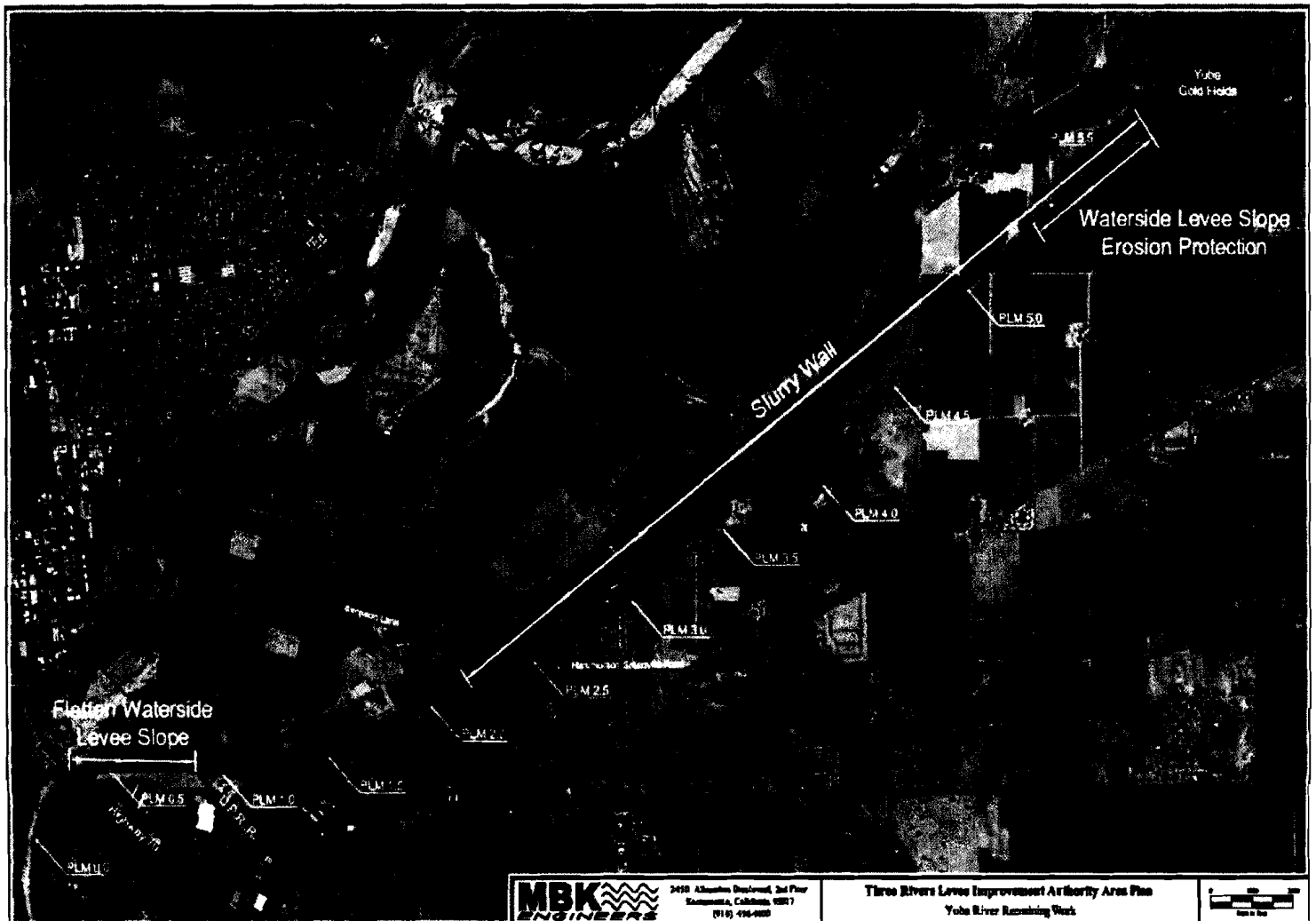
- **Segment 3:** From Feather River PLM 23.6 to PLM 26.1 and from Yuba River PLM 0.0 to the WPRR crossing at about PLM 0.3 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms and monitoring wells; and levee freeboard mitigation. This work

was substantially completed in 2008. 100-year certification is anticipated in 2009.

○ **Phase 4 Yuba** – The first portion of Phase 4 Yuba included strengthening the existing Yuba River left bank levee above the SPRR crossing to Simpson Lane and adding a seepage berm adjacent to the SPRR crossing. This work was completed in 2006 and received 100-year certification from the Corps May 8, 2007.

○ **Phase 4 Yuba (remaining work between Highway 70 and Goldfields west boundary)** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Project and is being proposed to be funded through the 2009 EIP and local funding. This work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection from Highway 70 upstream to the Yuba Goldfield. See figure 2.

Figure 2 – Upper Yuba River Levee Improvement Project



Key highlights from Fiscal Year 2008-2009:

- Major Portions of Feather River Segment 2 were completed that did not require Federal authorization
- The Federal Environmental Impact Statement (EIS), 408 Authorization, and 404 permit were completed, which allowed the Segment 2 levee tie-ins to begin construction and existing Segment 2 levee to be degraded.
- TRLIA formed the TRLIA Benefit Assessment District after a successful balloting process that yielded a 62% by weight favorable property owner vote.
- TRLIA discovered a new Native American Indian burial site near Star Bend that interfered with the existing Segment 2 levee alignment. TRLIA staff was able to reach a quick solution on how to proceed with State, Corps, and Enterprise Rancheria, the designated Most Likely Descendent (MLD).
- Feather River Segments 1 & 3 were substantially completed
- A crack in Segment 1 near Star Bend formed during construction of the slurry wall. Through out last year TRLIA worked with DWR and the Corps to gather needed information to determine final solution. The final solution is near and is planned to be implemented in this fiscal year.
- Within the last months of fiscal year 2009-10 it was determined that the previous hydraulic analysis for the Yuba River up stream of Simpson lane and below the Goldfields needed revision. This update has led to significant changes in levee design and cost growth. TRLIA staff quickly moved to apply for an additional \$67 million EIP funding agreement to accomplish the added work. This funding agreement is nearing approval. Below is the proposed State and Local cost share breakout for this work.

**TRLIA Yuba EIP Financial Plan
Local Sources & Uses Statement**

Item	Amount
YUBA PROJECT USES	
Prior Complete Yuba Work	
Phase 2 and Phase 4 Yuba Work	\$ 7,682,162
Upper Yuba Project	
Slurry Wall - Sta 102+50 to 303+59	\$ 52,206,800
Waterside Levee Slope Erosion Protection - Sta 272+00 to 303+59	\$ 6,617,900
Flatten Waterside Levee Slope - Sta 3+00 to 33+50	\$ 1,314,100
Sub-Total All Upper Yuba Costs	\$ 60,138,800
TOTAL YUBA PROJECT USES	\$ 67,820,962
State Share Uses	\$ 47,474,674
Local Share Uses	\$ 20,346,289
LOCAL FUNDING SOURCES	
Proposed Credit from Feather River Segment 1 EIP Grant	
Proposed EIP Grant Funding	\$ 10,170,436
Credit from Prior Completed Yuba Work	
Proposed EIP Grant Funding	\$ 5,377,514
Local Cash Sources	
Previously Expended Local Funds	\$ 2,304,649
Remaining Local Funding Budgeted for Upper Yuba	\$ 5,397,182
TOTAL LOCAL SOURCES	\$ 23,249,780
Local Share Uses less Local Share Sources	\$ (2,903,492)

Key highlights that the proposed 2009-10 TRLIA Budget accomplishes:

- Completion of the Feather River Setback including levee tie-ins and existing Segment 2 levee degrade
- Completion of Feather River Segment Crack levee fix
- Completion of Feather River Erosion Site 2 which is contained in Feather River Segment 3
- FEMA Certification of Feather River levee Segments 1, 2, and 3
- Completion of Yuba River Levee slope flattening work between Hwy 70 and the UPRR railway
- Completion of environmental documents and design of the work proposed for the Upper Yuba River levee between Simpson Lane and Goldfields
- This years proposed budget does contain an interim O&M line item

Projected Overall Cost and Schedule of the TRLIA Program:

Below is a chart that outlines the anticipated program cost by Phase. TRLIA staff is working aggressively to complete all levee work by the end of calendar year 2010; however, weather or regularly issues may delay work into 2011.

OVERALL PROJECT COSTS BY PHASE	
	OVERALL PROJECT TOTAL
PHASE 1	4,570,743
PHASE 2	39,600,030
PHASE 3	60,342,896
PHASE 4 (YUBA)	71,912,957
PHASE 4 (FEATHER SEGMENT 1)	14,647,930
PHASE 4 (FEATHER SEGMENT 2)	162,718,211
PHASE 4 (FEATHER SEGMENT 3)	13,609,376
OLIVEHURST DETENTION BASIN	6,983,926
PROJECT CONTINGENCY	10,377,101
INTERIM O&M	388,038
TRLIA OVERHEAD & ADMIN	12,602,722
TOTAL	397,753,930

**TRLIA
FISCAL YEAR 2009-2010
BUDGET**

**BUDGET ESTIMATED EXPENDITURE DETAIL ROLLUP
BUDGET FOR THE FISCAL YEAR 2009-2010**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	REQUEST 2009- 2010	
805-3350-425-15-00	INSURANCE	265,000	
805-3350-425-20-00	MEMBERSHIP	10,000	
805-3350-425-23-01	SPECIAL PROJECTS	74,679,777	1/
	TRLIA Phase 2 Levee Repair	0	
	TRLIA Phase 3 Levee Repair	2,998,616	
	TRLIA Phase 4 Yuba Levee Repair	6,492,207	
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	1,465,787	
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	60,355,967	
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	917,200	
	Olivehurst Detention Basin	0	
	Interim O&M	0	
	Project Contingency	2,450,000	2/
805-3350-425-23-02	PROFESSIONAL SERVICES	569,708	
805-3350-425-29-00	TRAVEL	20,000	3/
TOTAL		75,544,485	

**BUDGET FOR THE FISCAL YEAR 2009-2010
ESTIMATED REVENUE 1/**

ACCOUNT NUMBER	REVENUE SOURCE	AMOUNT 2009- 2010
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	538,858
	PROP 13 (DF&G Phases 2 & 3)	261,468
	PROP 1E Yuba	11,572,798
	PROP 1E Feather	35,282,254
	TRLIA Local from Seg 1 & Prior Work	1,863,678
	COUNTY/YCWA JOINT FINANCING	11,944,000
	ENVIRONMENTAL RESTORATION FUNDING	0
	ENVIRONMENTAL REVENUE/ECO FUNDING	419,400
	AXEL KARLSHOEJ AGREEMENT	2,175,376
	FUND CARRYOVER FROM 08/09	21,541,867
TOTAL		85,599,699

Fund Balance 6/30/10 10,055,214

1/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 6.9.09

2/ Project Contingency over and above the amount included in each line item above

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

SPECIAL PROJECTS DETAIL

(#2301)

Jul 09 - Jun 10

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	ROW ACQUISITION	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MGT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	0	0	0	2,933,715	64,901	0	2,998,616
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	3,013,000	866,000	86,600	1,292,520	850,000	131,371	252,716	6,492,207
TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place	42,000	677,052	49,000	531,551	0	29,610	136,574	1,465,787
TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback	390,000	39,482,869	3,107,915	9,820,294	1,233,409	1,165,224	5,156,256	60,355,967
TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place	70,000	631,540	52,000	59,341	0	18,894	85,425	917,200
Olivehurst Detention Basin	0	0	0	0	0	0	0	0
Interim O&M	0	0	0	0	0	0	0	0
Project Contingency	0	0	0	0	0	0	2,450,000	2,450,000
TOTALS	3,515,000	41,657,461	3,295,515	11,703,706	5,017,124	1,410,000	8,080,971	74,679,777

TRLIA PROJECT MANAGEMENT CONTRACTS

CONTRACTOR	<u>Management</u>	<u>Permits-RofW 1/</u>
MBK (Prog Mgmt & Design Mgmt)	400,000	200,000
EIP (Environmental Mgmt)	160,000	125,000
Downey Brand (General Counsel)	300,000	100,000
Downey Brand (RofW Counsel) 1/	0	600,000
BRI (ROW Mgmt and Acquisition)	100,000	559,000
Peterson Consultants (Government Relations)	60,000	-
EPS (Financial Consultant)	230,000	-
MBK and Mike Hinz (Financial Support and Auditing)	60,000	-
Lucy Co. (Public Relations)	100,000	-
TOTAL	1,410,000	1,584,000

1/ Permits & RofW PM Contract Budget included within the Design and ROW Acquisition Budgets in the Special Projects Detail above.

2009/2010 PROFESSIONAL SERVICES DETAIL (#2302)

DETAIL DESCRIPTION	2009/2010
Public Works Admin Salaries & Benefits	96,708
TRLIA General Expenses (Services, Supplies & Office)	90,000
Executive Director Salary & Benefits	148,000
CAO, Auditor & Treasurer Salary & Benefits	100,000
Administrative Assistants Salary & Benefits	95,000
Clerk of the Board Salary & Benefits	40,000
TOTAL	569,708

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

**FUTURE EXPENDITURE AND REVENUE
PROJECTIONS**

**BUDGET FOR THE FISCAL YEAR 2010-
2011**

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	Estimated 2010-2011	
805-3350-425-15-00	INSURANCE	265,000	
805-3350-425-20-00	MEMBERSHIP	10,000	
805-3350-425-23-01	SPECIAL PROJECTS	65,200,686	1/
	TRLIA Phase 2 Levee Repair	0	
	TRLIA Phase 3 Levee Repair	0	
	TRLIA Phase 4 Yuba Levee Repair	49,316,584	
	TRLIA Phase 4 Feather Levee Repair (Segment 1)	0	
	TRLIA Phase 4 Feather Levee Repair (Segment 2)	15,625,014	
	TRLIA Phase 4 Feather Levee Repair (Segment 3)	0	
	Olivehurst Detention Basin	259,088	
	Interim O&M	0	
	Project Contingency	0	
805-3350-425-23-02	PROFESSIONAL SERVICES	289,819	
805-3350-425-29-00	TRAVEL	20,000	2/
TOTAL		65,785,505	

ESTIMATED REVENUE

ACCOUNT NUMBER	REVENUE SOURCE 1/	Estimated 2010-2011
805-0000-361-62-36	PROP 13 (DWR Phases 2 & 3)	0
	PROP 13 (DF&G Phases 2 & 3)	0
	PROP 1E Yuba	30,524,362
	PROP 1E Feather	11,827,873
	TRLIA Local from Seg 1 & Prior Work	13,684,272
	COUNTY/YCWA JOINT FINANCING	0
	ENVIRONMENTAL RESTORATION FUNDING	0
	ENVIRONMENTAL REVENUE/ECO FUNDING	0
	AXEL KARLSHOEJ AGREEMENT	0
	FUND CARRYOVER FROM 09-10	10,055,214
TOTAL		66,091,721

Fund Balance 6/30/11 306,216

1/ Source for Special Project Budget is TRLIA Cash flow Spreadsheet 6.9.09
2/ Includes O&M Cost of County Vehicle Provided to TRLIA

2010/2011 Special Projects Detail (#2301)

**SPECIAL PROJECTS DETAIL
(#2301)**

Jul '10 - Jun '11

PHASE	DESIGN	CONSTRUCTION CONTRACT	CONSTRUCTION MANAGEMENT	R/W ACQ	ENVIRONMENTAL MITIGATION/ RESTORATION	TRLIA PROJ MANAGEMENT	CONTINGENCY	BUDGET AMOUNT
TRLIA Phase 2 Levee Repair Upper Bear, WPIC & Yuba to UPRR	0	0	0	0	0	0	0	0
TRLIA Phase 3 Levee Repair Bear River Setback Levee	0	0	0	0	0	0	0	0
TRLIA Phase 4 Yuba Levee Repair Yuba beyond UPRR	430,000	38,154,200	4,019,800	0	0	800,000	5,912,584	49,316,584
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	0	0	13,956,299	102,060	100,000	1,466,655	15,625,014
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	259,088	0	0	259,088
Interim O&M								
Project Contingency								
TOTALS	430,000	38,154,200	4,019,800	13,956,299	361,148	900,000	7,379,239	65,200,686

2010-2011 Professional Services (#2302)

DETAIL DESCRIPTION	2010/2011	
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	1/
Clerk of the Board Salary & Benefits	24,000	
TOTAL	289,819	

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

Appendix A – Yuba River Levee EIP Project Schedule

Task Name	Start	Finish	2008												2009												2010											
			J	J	A	S	O	N	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					
Slope Flattening	Tue 7/1/08	Mon 10/26/09	[Gantt bar from July 2008 to October 2009]																																			
Design	Tue 7/1/08	Fri 5/15/09	[Gantt bar from July 2008 to May 2009]																																			
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Design	Mon 2/9/09	Fri 6/12/09	[Gantt bar from February 2009 to June 2009]																																			
Real Estate	Mon 3/30/09	Fri 5/29/09	[Gantt bar from March 2009 to May 2009]																																			
Permitting and Compliance	Tue 7/1/08	Tue 6/8/10	[Gantt bar from July 2008 to June 2010]																																			
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HCP Approval	Tue 7/1/08	Fri 5/1/09	[Gantt bar from July 2008 to May 2009]																																			
Elderberry Transplant Window	Sun 11/1/09	Mon 2/15/10	[Gantt bar from November 2009 to February 2010]																																			
Construction	Thu 7/1/10	Mon 11/1/10	[Gantt bar from July 2010 to November 2010]																																			