

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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THREE RIVERS LEVEE IMPROVEMENT AUTHORITY
Project Status Report dated September 5, 2006
(Submitted to The Reclamation Board for the September 15, 2006, meeting)

A progress report of the various phases of the Three Rivers Levee Improvement Authority (TRLIA) project is provided in the followings sections of this document.

Levee Design and Construction Work

Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad embankment: Replacement of Pump Station No 6 continues with work scheduled to be completed in November 2006. Work has started on last reach of the WPIC. TRLIA is coordinating final design details with the Corps of Engineers for additional seepage berms along the upper Bear River to address shallow sand layers discovered during construction. Construction of these berms is scheduled to be completed along with all other Phase 2 work in October 2006.

Phase 3 Construction – Bear River Setback Levee between the Feather River Levee and the limit of Phase 2 construction: Construction of the setback embankment is complete, approximately a month ahead of schedule. Work remaining includes placement of the patrol road aggregate, completion of the relief wells, completion of inlet and outlet structures in the detention basin, and planting of final erosion control grasses. A ribbon cutting ceremony is being organized for early October. Removal of the walnut orchards in the restoration area is complete. TRLIA plans to award a contract in September to begin implementation of the Restoration Plan.

Phase 4 – Feather River Levee between Bear and Yuba Rivers, Yuba River levee between the Union Pacific Railroad embankment and the Goldfields: Since our last Reclamation Board meeting update on 21 July 2006, our project was in a very difficult situation. Just after the Board meeting TRLIA received word from GEI Consultants that additional work may be needed along the stretch (approximately one mile) of the Feather River that had previously been repaired by the Corps near Pump Station 3. While a slurry wall and seepage berm had been installed by the Corps, the area showed more seepage than was expected during the high water event of January 2006. The potential work to address this and an additional near one mile stretch of levee along the Feather River with similar issues, and the corresponding increase in costs, had caused much consternation among our funding landowners. In response, we took a number of actions. We initiated a peer review process on the GEI Consultants' report. We began to examine other places where our

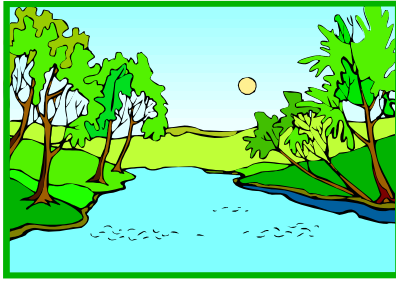
project might reduce costs. We redoubled our efforts to try to get additional funding from Federal sources, such as FEMA and we approached DWR to request the use of AB 142 funds. Our initial request to DWR was for a matching grant of AB 142 funds in the amount of \$25 million. This grant, if made, would help offset the uncertainty raised by the GEI report, and bring our landowners back to the table. TRLIA also approached DWR about using AB 142 dollars to fix the Pump Station 3 site as a PL84-99 site. In response, DWR wrote two letters that committed to strongly consider our two requests, and which gave TRLIA hope that AB 142 funds might be used for our project to keep our coalition together. The combination of many actions allowed us to consummate our deal with the landowners on August 30, 2006. TRLIA has a contract for \$135 million and has raised the necessary \$20 million to start construction on the Yuba River levees this year.

TRLIA issued a Notice to Proceed on August 31 for the Yuba River reach between the Union Pacific Railroad and Simpson Lane. TRLIA received a Reclamation Board Encroachment Permit for this work which contains a Special Condition that is at odds with TRLIA program and Reclamation Board goals for the project. Special Condition 15 requires TRLIA to limit levee raising to the maximum crown elevations shown on the US Army Corps of Engineers Sacramento River Flood Control Project, California, Levee and Channel Profiles, dated March 15, 1957, or as modified by the Corps of Engineers and shown on "as-built" drawings provided subsequent to March 15, 1957. This condition will not allow TRLIA to design the project to the 200 year flood event. TRLIA has proposed to raise this levee an average of 0.3 feet above the existing top of levee to provide three feet of freeboard on the 200 year water surface elevation. TRLIA staff and Reclamation Board staff are discussing the ramifications of this condition.

CEQA documentation for Phase 4 Feather levee improvements is in progress. The public comment period closes on September 18, 2006. Initial information on work required along the Feather River levee indicated additional reaches of levee may be deficient. If this is confirmed, it will increase program costs. A technical meeting was held on August 28 with DWR, the Corps of Engineers and a Senior Board of Consultants to discuss the problems and potential solutions in these additional reaches. The final solution to achieve reliable 200-year protection in these reaches will incorporate input from all of these expert sources. The Draft Alternatives Analysis report for the Feather River levee will be complete in October 2006. This report will provide information on the alternatives and costs to improve the Feather River levee to provide 200 year protection. The Draft Basis of Design Report for the Feather levee segments to be strengthened in place is under review by DWR, the Corps and the TRLIA Team.

Additional Update:

- **Status on fulfilling TRLIA commitments made at April 21, 2006 State Reclamation Board meeting in order to gain building permit limitation lifted** The Second Implementation Agreement required the satisfaction of six items. These items have been met and Yuba County has lifted the building permit restriction. However, given how late in the year this has occurred, along with the low number of permits that have been issued to date (307), it is not anticipated that the 700 permits the area was previously restricted to will be exceeded this year.



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Supplemental to Project Status Report dated September 5, 2006

(Submitted to The Reclamation Board for inclusion in the September 15, 2006, meeting agenda)

Levee Design and Construction Work – Updates since September 5, 2006 report

Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad embankment: Phase 2 work continues on schedule and will complete this year. TRLIA has made an application to the Reclamation Board for an encroachment permit to construct the additional seepage berms along the Bear River. These landside berms are necessary to address seepage concerns raised by the Corps of Engineers and are a minor addition to the work underway for Phase 2. The design has been approved by the Corps and TRLIA's contractor is ready to do the work. In order to complete this construction by November 1, TRLIA needs to have the encroachment permit issued by October 1.

Phase 3 Construction – Bear River Setback Levee between the Feather River Levee and the limit of Phase 2 construction: TRLIA has awarded a contract for the Bear River restoration work to River Partners.

Phase 4 Yuba River Levee between the Union Pacific Railroad embankment and the Goldfields: The Reclamation Board Staff has replied that any variation to the encroachment permit issued for the Phase 4 Yuba work will have to be approved by the Reclamation Board. As stated in the original status report, TRLIA wishes to raise the Yuba levee high enough to provide 3 feet of freeboard above the 200-year flood. This will require raising the levee above the 1957 Design level. This additional raising is currently prohibited by Special Condition 15 of our encroachment permit. Attached to this supplemental report is a table showing the 57 Design elevations, the existing levee elevations, and the proposed elevations of TRLIA. As can be seen, the existing levee already exceeds the 57 elevations in many places. TRLIA's proposed raise is an average of 0.3 feet with a maximum of 1 foot. The Corps of Engineers has an authorized project which would modify this Yuba Levee to provide 200-year protection. Hydraulics have been updated since that authorization and to provide the same authorized level of protection would require raising the Yuba levee. TRLIA recognizes that the Reclamation Board can not take action at this meeting but we do intend coming to the Board on October 20 with a request for a variation from this special condition in order to provide the level of protection that we have committed to.

Phase 4 Feather River Levee between Bear and Yuba Rivers: A public meeting for the Phase 4 Feather Draft CEQA Document was held on September 6. There were very few attendees. The Final Document is scheduled for certification the end of October.

- **Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2006:** The attached table and graph provides information related to residential building permits issued for the Plumas Lake Plan Area (PLSPA) and the North Arboga Study Area (NASA) within Yuba County in 2006.

As shown in the table, a total of 307 building permits have so far been issued in 2006, out of a total “allowable” of 700.

- Table - Permits issued within PLSPA and NASA in 2006
- Graph – Building Permits Issued in TRLIA Project Area

PH 4 Yuba Levee Profiles

Station	FROM SRFCP SHEETS	FROM PLANS			Difference Between Proposed and Higher of 57 or Exist	Reaches greater than 0.5
		57 Levee Design Elev	Exist Levee Elev	Proposed Levee Elev to Achieve 200-Yr Protection		
3350	SPRR	80.20				
3500		80.21	80.29	80.21	-0.08	-
3700		80.23	80.64	81.11	0.47	-
3900		80.25	80.24	81.17	0.92	0.92
4100		80.27	80.63	81.19	0.56	0.56
4300		80.28	81.07	81.21	0.14	-
4500		80.30	80.56	81.23	0.67	0.67
4700		80.32	81.03	81.24	0.21	-
4900		80.33	81.06	81.26	0.20	-
5100		80.35	80.55	81.30	0.75	0.75
5300		80.37	80.59	81.29	0.70	0.70
5500		80.39	80.51	81.30	0.79	0.79
5700		80.40	81.10	81.29	0.19	-
5900		80.42	80.72	81.29	0.57	0.57
6100		80.44	80.63	81.30	0.67	0.67
6300		80.46	80.67	81.30	0.63	0.63
6500		80.47	80.38	81.31	0.84	0.84
6700		80.49	80.54	81.38	0.84	0.84
6900		80.51	80.64	81.42	0.78	0.78
7100		80.53	81.97	81.48	-0.49	-
7300		80.54	80.94	81.54	0.60	0.60
7500		80.56	81.00	81.60	0.60	0.60
7700		80.58	81.32	81.63	0.31	-
7900		80.60	82.47	82.56	0.09	-
8100		80.61	82.27	82.26	-0.01	-
8300		80.63	82.06	82.05	-0.01	-
8500		80.65	82.47	82.45	-0.02	-
8700		80.67	82.02	81.99	-0.03	-
8900		80.68	81.83	81.95	0.12	-
9100		80.70	82.06	81.99	-0.07	-
9300		80.72	82.21	82.05	-0.16	-
9500		80.73	81.85	82.10	0.25	-
9700		80.75	81.95	82.15	0.20	-
9900		80.77	82.12	82.21	0.09	-
10100		80.79	82.08	82.26	0.18	-
10250	Simpson Lane	80.80	81.99	82.28	0.29	-

0.34 Avg Raise

Bold numbers taken from reference documents. Non bold numbers are interpolated.

Plumas Lake Specific Plan Area and North Arboga Study Area - Building Permits Issued in 2006

Developer/Builder	Monthly Building Permits Issued for Plumas Lake and North Arboga Study Area																								Total (By Builder)
	Jan-06		Feb-06		Mar-06		Apr-06		May-06		Jun-06		Jul-06		Aug-06		Sep-06		Oct-06		Nov-06		Dec-06		
	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	
KB Homes North Bay									10		6					3									19
Cresleigh Homes	11										5				18										34
Forecast Homes/K Hovnanian	26		21																						47
Homes by Towne/HBT Constr.													1												1
Beazer Homes																									0
California Homes/Home Builders					44				3																47
Cassano Kamilos Homes																									0
D.R. Horton/Western Pacific	47		23																						70
Other					33				3				2	35	13	3									89
Monthly Totals	84		44		77		0		16		11		3		69		3								

Thru 9/5/06

Total permits issued between 1/01/06 and 9/5/06

307

**Total number of permits issued for Elevation 62.1 lots
(All issued to KB Homes' River Glen development within NASA)**

Total number of permits issued for model home lots (i.e., homes that will not be occupied in the near future)

**Number of permits issued out of an allowable total of 700 for 2006
(i.e., total permits issued, less those issued for Elevation 62.1 lots and for model lots)**

307

**Number of remaining 2006 permits
(out of a total of 700)**

393

Building Permits Issued in TRLIA Project Area

