



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218
Marysville, CA 95901

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

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

Project Status Report dated March 15, 2010

(Submitted to The Central Valley Flood Protection Board for the March 26, 2010 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. Updates are indicated with italics and underline.

1. Levee Design and Construction Work:

a. **Phase 4 – Yuba River Levee between Simpson Lane and the Goldfields:**

- 1) Environmental: The work from Simpson Lane up to the Goldfields area is planned to begin in 2010. The CVFPB provided a letter to the Corps initiating the Federal 408 environmental process. This allows the various necessary environmental actions to begin immediately, so that they can be completed in time to allow the design to be accomplished and construction to start in 2010. Originally TRLIA had planned to accomplish the CEQA and NEPA process together in a joint document. However, TRLIA has opted to separate the joint NEPA/CEQA Upper Yuba Levee Improvement Project document into separate CEQA and NEPA documents. This change was made to facilitate the initiation of right of way acquisitions and State and/or local approvals needed for construction of the project in 2010. TRLIA continues discussions with the Corps of Engineers on the appropriate NEPA document for Section 408 and Section 104 credit approvals.

TRLIA issued the Draft IS/MND for public review on February 12 and the public review comment period ended on March 15th. A public information meeting to accept comments on the Draft IS/MND was held on March 8, 2010 and was well attended. The TRLIA Board will consider adopting the Mitigated Negative Declaration at their April 6th meeting.

- 2) **Potential Groundwater Impacts:** TRLIA has completed an evaluation of potential groundwater impacts from a slurry wall project from Simpson Lane to the Goldfields. Evaluation results from that report were provided to the Board. Overall, there is little impact to groundwater from the proposed project. Additional evaluation will be made on wells close to the slurry wall. Any identified impacts will be mitigated.
- 3) **Design:** The proposed project consists of 15,150 linear feet (LF) of slurry wall ranging from 47 to 80 feet deep, 1,559 LF of seepage berm 80 feet to 150 feet wide at

the end of the project, 3,159 LF of waterside slope rock erosion protection at the end of the project, and geometry corrections throughout the project reach.

Listed below are several key design actions:

- a) 60% Plans and Specifications and a Draft Design Documentation Report were issued to the CVFPB, DWR, and the Corps on February 3.
 - b) The second TRLIA Board of Senior Consultant (BOSC) Meeting was held on March 11 to discuss the 60% design submittal. CVFPB Staff and DWR attended the meeting.
 - c) TRLIA submitted a CVFPB Encroachment Permit Application on February 3, 2010 for the UYLIP. TRLIA has asked CVFPB staff to place this permit on the June CVFPB agenda for consideration.
 - d) Yuba County Water Agency (YCWA) submitted a Section 104 request to the CVFPB on February 23, 2010. TRLIA has asked CVFPB staff to place the 104 credit request letter to the Corps of Engineers on the April CVFPB agenda for consideration.
 - e) TRLIA submitted the Draft Section 408 Summary Report on March 2 for review by the CVFPB and Corps of Engineers staff.
- 4) TRLIA Board of Senior Consultants: Any alteration to a Federal project levee will require Section 408 approval from the Corps of Engineers (Corps). A requirement for this approval will include a Safety Assurance Review (SAR) of the proposed levee repairs by a panel of independent experts. TRLIA performed a SAR for the Feather River Setback Levee. TRLIA is using the same geotechnical experts (Donald H. Babbitt and Faiz Makdisi) that were used for the Feather River Setback Levee and has added David T. Williams to the BOSC to review hydraulic analysis of the Upper Yuba River.

The BOSC met in mid December to review the preliminary design of Upper Yuba River Levee Project and provided comments on January 11, 2010. Responses to the BOSC comments were provided at the March 11th meeting referenced above in the Design portion of this report. The BOSC was satisfied with the TRLIA staff/consultants responses to their comments and questions.

b. Phase 4 – Feather River Levee between Bear and Yuba Rivers:

- 1) **Segment 2:** Part A of encroachment permit: The embankment is at the design elevation throughout the setback reach and embankment construction is complete. Asbuilt drawings and FEMA levee certification documentation are being prepared. The only work remaining is development of 7 of 26 wells, pump testing and installation of manholes on all 26 wells, and placing rock aggregate on a portion (1,600 linear feet) of the landside toe access patrol road. Construction work has ceased at the setback levee due to wet conditions. Ongoing efforts include security patrols and inspection and maintenance of erosion BMP's for winter weather.
 - a) **Existing Levee Degrade:** The CVFPB approved permit No. 18430 allows degradation of the existing Feather River East Levee being replaced by the Feather River Setback levee. Approximately 72% of the levee has been degraded. The existing levee is degraded at both the south and north end so that flood elevation reduction benefits can be achieved this winter. Approximately 71% of

the main borrow site in the setback area is filled. Degradation activities have ceased for the winter due to wet weather. TRLIA has taken steps to winterize the disturbed areas and to ensure the partially filled borrow site and the entire Setback Area will drain to the Feather River to prevent potential fish stranding should flows exceed the Feather River banks this winter.

- b) TRLIA submitted a separate encroachment permit application to the CVFPB for the Vegetated Wave Buffer on September 3, 2009. This encroachment permit is under review by the CVFPB staff. TRLIA is working with RD784, DWR, & CVFPB to develop a long term O&M plan for this area.
- c) TRLIA is preparing the permit application for the Feather River Elderberry Mitigation Area. TRLIA continues to work with DWR floodway maintenance staff and F&WS to develop an acceptable approach to floodway maintenance for all parties. DWR has set up a committee to guide the actions within the Feather River Corridor, with participation from various branches of DWR, the CVFPB, the local maintenance districts, TRLIA, the counties, and other interested stakeholder groups. The Committee is called the Feather River Corridor Management Plan development team. The first meeting will be held on March 18th.

2. Goldfields:

- a. The Corps of Engineers hydraulics analysis for the General Re-evaluation Report (GRR), including a Goldfields analysis, is complete. The Corps of Engineers is scheduled to present their analysis and findings for the Goldfields area at the March 2010 CVFPB meeting.
- b. Due to the questions that have been raised by some public members and the CVFPB, TRLIA (via MBK Engineers) has begun examining the hydraulics of the Goldfields area. The work involves obtaining the most recent surveys of the area, possible surveying of portions of the area and performing hydraulic analysis. The results of this effort are projected to be available late this year. TRLIA's efforts will be presented in conjunction with the Corps of Engineers Goldfields presentation mentioned in 2a above.

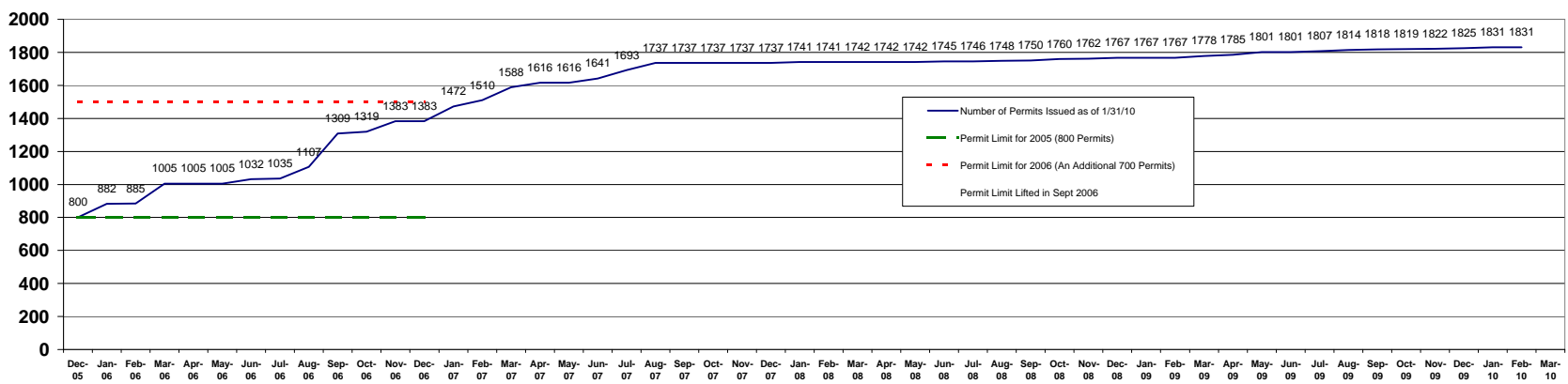
3. Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2010:

- a. The attached graph and table 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 2010.
- b. As shown in the table, a total of 6 building permits have been issued in 2010 so far. No permits were issued in February of 2010.

Attachments:

- 1. Building permit graphic
- 2. Building permit table

Building Permits Issued in TRLIA Project Area



Plumas Lake Specific Plan Area and North Arboga Study Area - Building Permits Issued in 2010

Developer/Builder	Monthly Building Permits Issued for Plumas Lake and North Arboga Study Area										Total (By Builder)
	Jan-10		Feb-10		Mar-10		Apr-10		May-10		
	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	
KB Homes North Bay	6										6
Cresleigh Homes											0
Forecast Homes/K Hovnanian											0
Homes by Towne/HBT Constr.											0
Beazer Homes											0
California Homes/Home Builders											0
Cassano Kamilos Homes											0
D.R. Horton/Western Pacific											0
Other											0
Monthly Totals	6		0		0		0		0		6

As of February 28, 2010

Total Permits for 2010 6
As of February 28, 2010