

## SAIC Proposal to Steering Committee for Assessing Footprint Effects of Fremont Weir Modifications on Non-Tidal Biological Resources

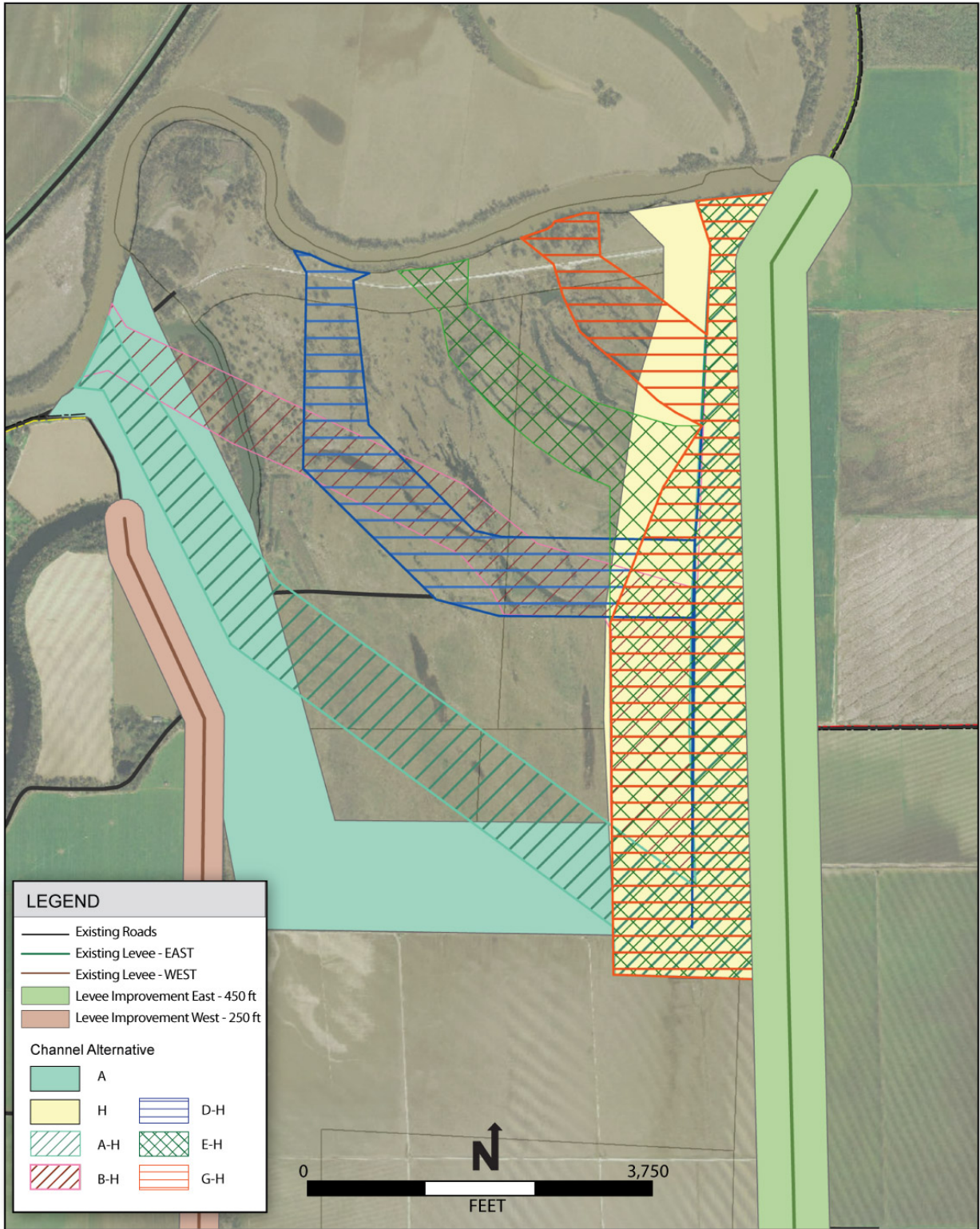
DWR/DHCCP is currently evaluating 7 possible configurations for modifications to the Fremont Weir (see attached Figure). These designs represent several options for modifying Fremont Weir in a manner that will achieve BDCP draft Fremont Weir operations criteria. DWR/DHCCP is in the process of refining the designs and subsequently will conduct a value engineering analysis before recommending a final design for consideration by the Steering Committee. DHCCP engineers have indicated weir gate structures under any of the alternatives can be designed to accommodate the Fremont Weir flows proposed-described in Technical Memorandum #2the July 2009 Chapter 3 Conservation Strategy.

An analysis of the potential effects of Fremont Weir modifications on the flood capacity of the Yolo Bypass will be conducted in the environmental review.

To maintain the effects analysis schedule in the absence of a final recommended and adopted design, SAIC proposes to evaluate the range of draft Fremont Weir configurations and identify the configuration that would have the greatest level of adverse effects on existing non-tidal biological resources. Using this approach, SAIC believes there is sufficient information to conduct a “worst case” scenario of footprint-related effects on species and habitats.

**Does the Steering Committee concur with this proposed approach?**

WORKING DRAFT - SUBJECT TO CHANGE



**Fremont Weir Channel Draft Alternatives and Improvements**