

CONFLUENCE OF Main Canal & Fahrens Creek

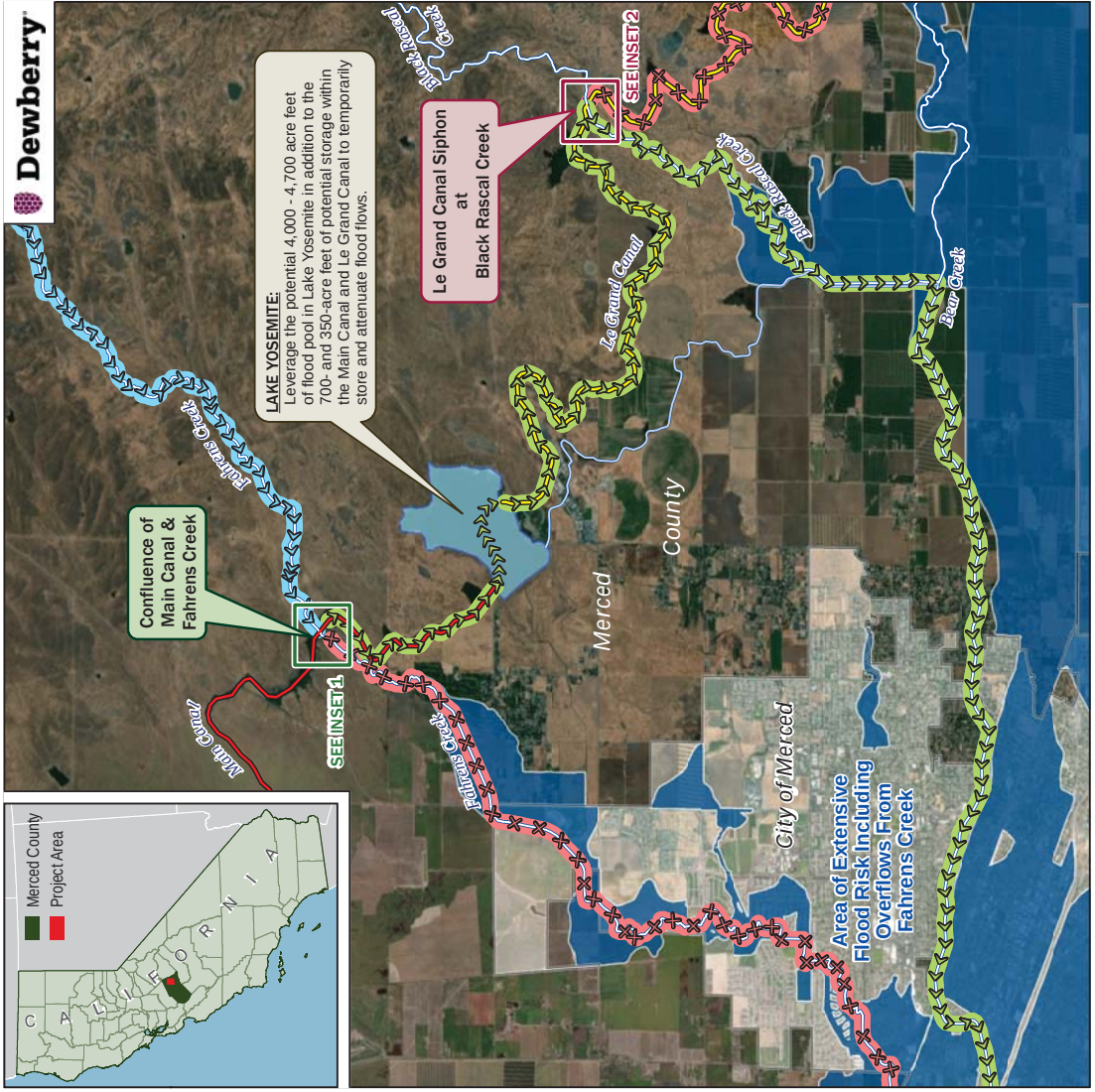
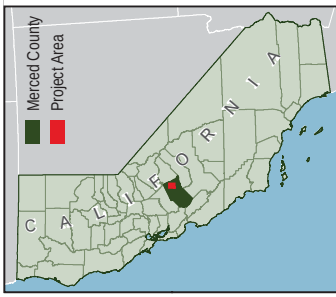
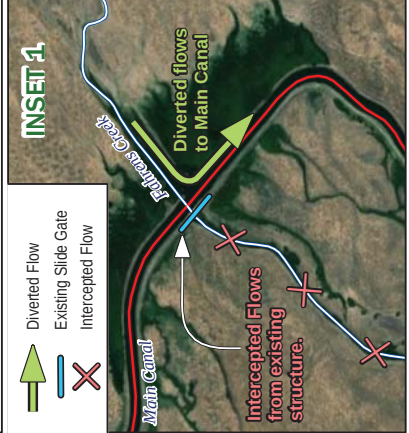
PROPOSED ACTIONS: Utilize the existing side gates on Main Canal to intercept high flood flows from the 9 square miles of Fahrens Creek and divert into Lake Yosemite using the Main Canal during the wet season when canal flows and Lake Yosemite are lowered.



Looking upstream (NE) towards the Main Canal from Fahrens Creek (Fahrens Creek flows directly into the Main Canal and is able to pass through the canal back into the downstream creek through the existing side gates)



Looking (NW) along the Main Canal at the Fahrens Creek Confluence (Fahrens Creek flows back into the creek to the left. The proposed project would release flood flows back into the creek to the left. These gates during high flood flows, diverting them to Lake Yosemite)



Le Grand Canal Siphon at Black Rascal Creek (Existing)

PROPOSED ACTIONS: Construction of a remotely operated side gate on the south bank of Le Grand Canal and addition of side gates to the existing siphone structure to close off LeGrand Canal and divert intercepted flood flows from Fahrens Creek into Black Rascal Creek after floods subside and flows can be released in a controlled manner from Lake Yosemite into the canal. This will delay timing and take attenuated flows around the high flood risk areas.



Looking East along Le Grand canal just West of the Black Rascal Creek Siphon (Le Grand Canal goes under Black Rascal Creek through the Siphon. The proposed project would allow the Siphon to be closed using new side gates, backing up attenuated flood flows through the new side gates to Black Rascal Creek.)



Looking North towards the Main Canal from Black Rascal Creek (The proposed side gates for the diversion structure would release attenuated flood flows directly into Black Rascal Creek)

