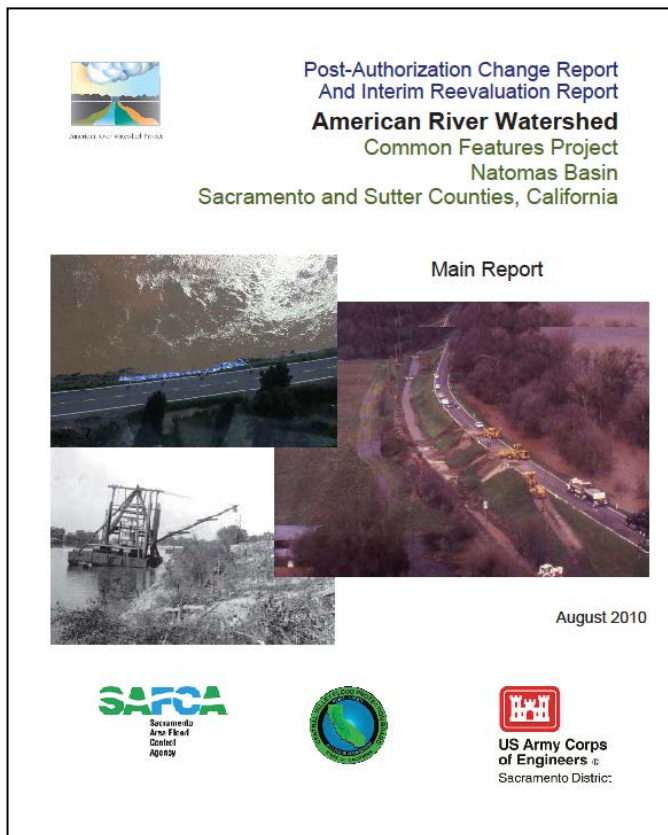


American River Watershed, Common Features Project Natomas Basin, CA

27 September 2010



Abstract: The purpose of the report is to evaluate improvements to the existing levee system surrounding the Natomas Basin in the City of Sacramento. Located in Sacramento and Sutter Counties, the Natomas Basin is home to approximately 80,000 residents and has one of the highest flood risks in the nation. Significant seepage and stability issues could cause a catastrophic failure of the levee system around the Natomas Basin, resulting in an estimated loss of over \$7 billion in residential, commercial and industrial property damage, imperiling the health and safety of approximately 80,000

residents, and closing of the Sacramento International Airport and two strategically important interstate freeways.

The recommended plan is for levee improvements on the entire 42 miles of the Natomas levee system, including: (1) seepage remediation and embankment stabilization along the Natomas Cross Canal south levee, the Sacramento River east levee, the Pleasant Grove Creek and the southern portion of the Natomas East Main Drainage Canal west levees. including construction of an adjacent levee adjoining the Sacramento River east levee; (2) drainage improvements, including the construction of a Drainage Canal which also provides for habitat connectivity for the Giant Garter Snake, and relocation of irrigation and drainage infrastructure in the area of the airport in order to improve surface drainage; and (3) habitat restoration and management in connection with construction activities.

Average annual flood risk reduction benefits are estimated at \$430 million. The estimated total cost of the recommended plan is \$1,389,500,000, with a Federal share of about \$921,200,000 and a non-Federal share of about \$468,300,000. The benefit to cost ratio is 6.1.

The local sponsors for the project are the State of California and the Sacramento Area Flood Control Agency. In view of the need to reduce flood risk to residents in the Natomas basin as soon as possible, SAFCA has proceeded under a Section 408 permit with construction of levee improvements on about 25% of the levees reaches. The sponsor has been approved for potential Section 104 in-kind credit eligibility should the Corps recommended plan be authorized and constructed.

Report Documentation: Pertinent documentation on the project, the results of the CWRB, and subsequent Washington Level Review Actions are linked below.

- [CWRB Agenda](#)
- [Project Summary](#)
- [CWRB Briefing Slides](#)
- [CWRB Lessons Learned](#)
- [CWRB Meeting Record](#)
- [State & Agency Review Comment Letters](#)
- [Documentation of Review Findings](#)
- [Signed Chief of Engineers Report](#) -- 30 December 2010
- [Advance Copy to Congressional Committees](#)
- [ASA\(CW\) Memo to OMB](#)
- [OMB Response](#)
- [ASA\(CW\) Transmittal to Congress](#)
- [Signed Record of Decision](#)
- Authorization

Additional Information:

[South Pacific Division](#)

[Sacramento District](#)