

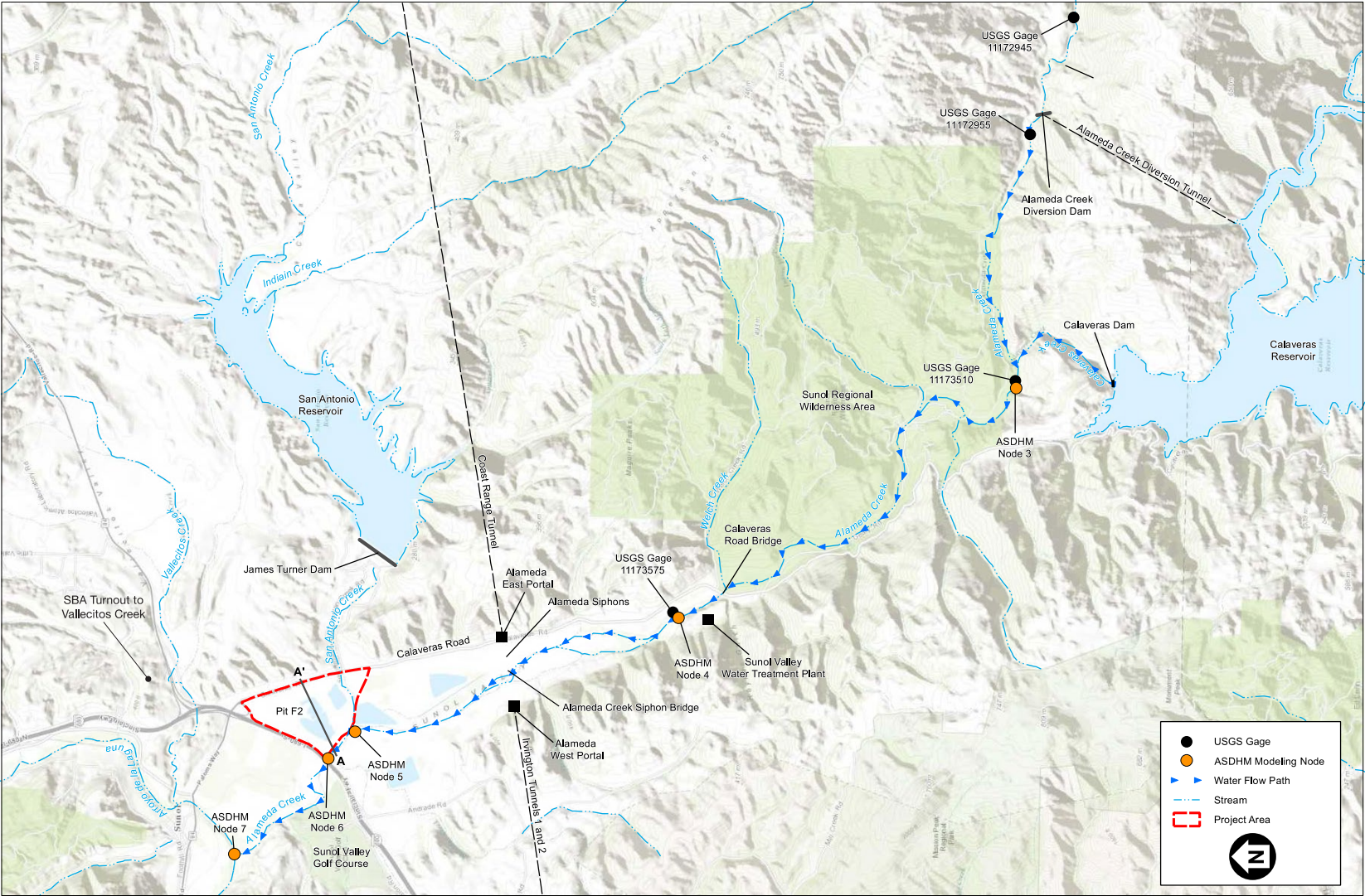
ACRP Overview

- The Alameda Creek Recapture Project is part of the SFPUC's Water System Improvement Program
- Key Objectives:
 - Recapture a portion of future minimum instream flows from Calaveras Dam and bypasses at Alameda Creek Diversion Dam and maintain the historical annual transfers from the Alameda Watershed
 - Maintain water supply reliability

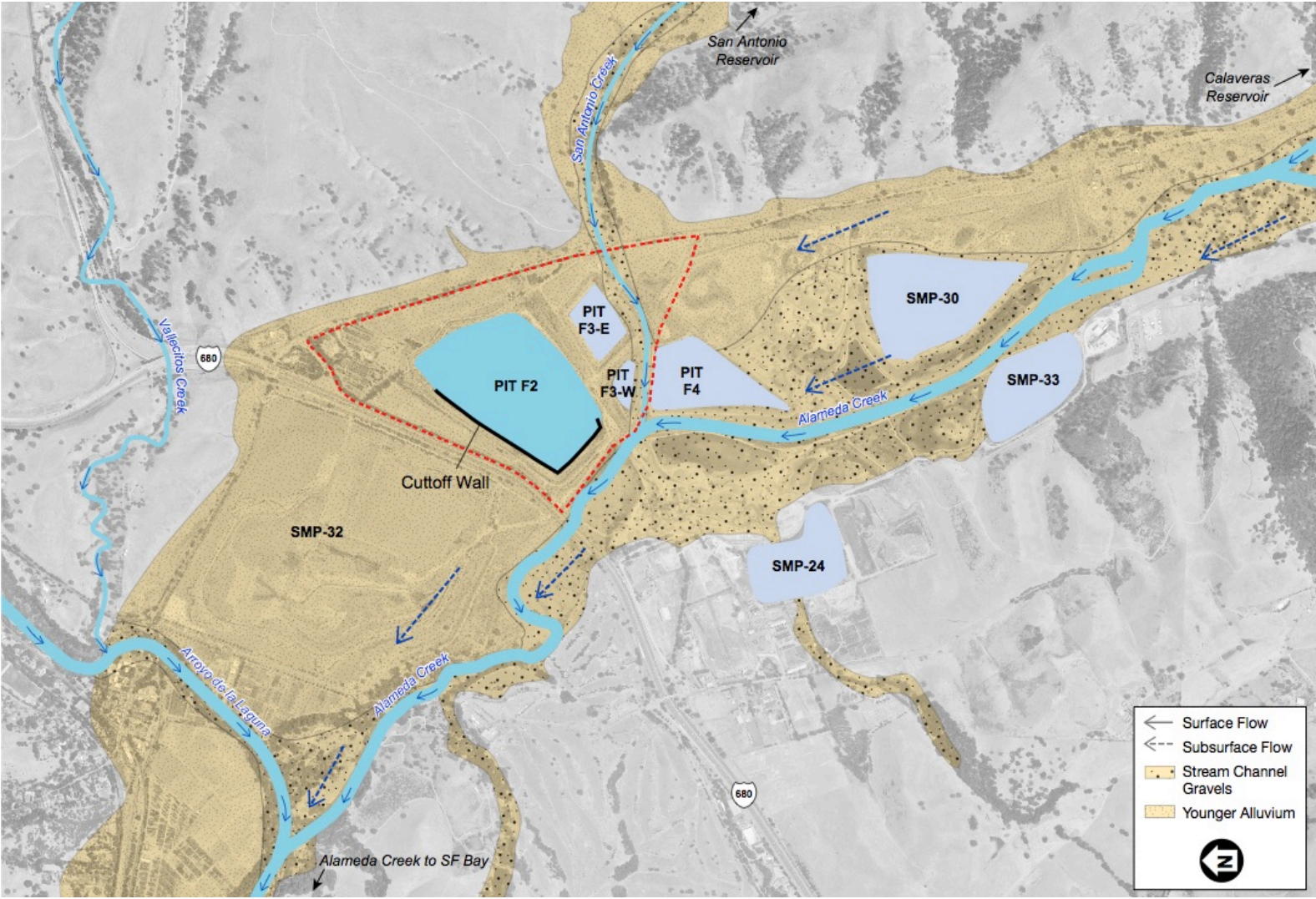
Regional Overview



Project Location Map



Primary Study Area



Project Description

- Estimated combined Calaveras Dam releases and bypasses at the Alameda Creek Diversion Dam:
 - Average annual = 14,695 acre-ft / year
- Estimated recapture volume:
 - Original operations, average annual = 7,178 acre-ft / year
 - Revised operations, average annual = 6,045 acre-ft / yr
- Pit F2 passively collects water through natural subsurface percolation and seepage
- Recaptured water pumped from Pit F2 during specified periods and transferred to existing SFPUC facilities

Overview of ACRP Project Revisions

- Operational changes proposed by SFPUC

Months	New	Original	Remarks
October	Pumping: Pit Elev $\geq 180'$	Pumping: Pit Elev $> = 150'$	<i>Pumping period reduces to five months from 9 months</i>
November			
December			
January	No Pumping	No pumping	<i>No pumping period extends from December to June compared to January to March</i>
February			
March			
April			
May	No pumping if Node 5 flow > 0 cfs. No pumping if Pit Elev $< 225'$ even if Node 5 flow = 0 cfs.	Pumping: Pit Elev $> = 150'$	<i>Pit level will not be drawn down below 180' compared to 150'</i>
June			
July	Pumping: Pit Elev $\geq 180'$		<i>Recapture volume reduces to about 6,000 AF from 7,200 AF and the difference of 1,200 AF would add to streamflow at Node 6</i>
August			
September			

Schematic of Revised ACRP Operating Protocols

