

Alameda Creek Recapture Project (ACRP)

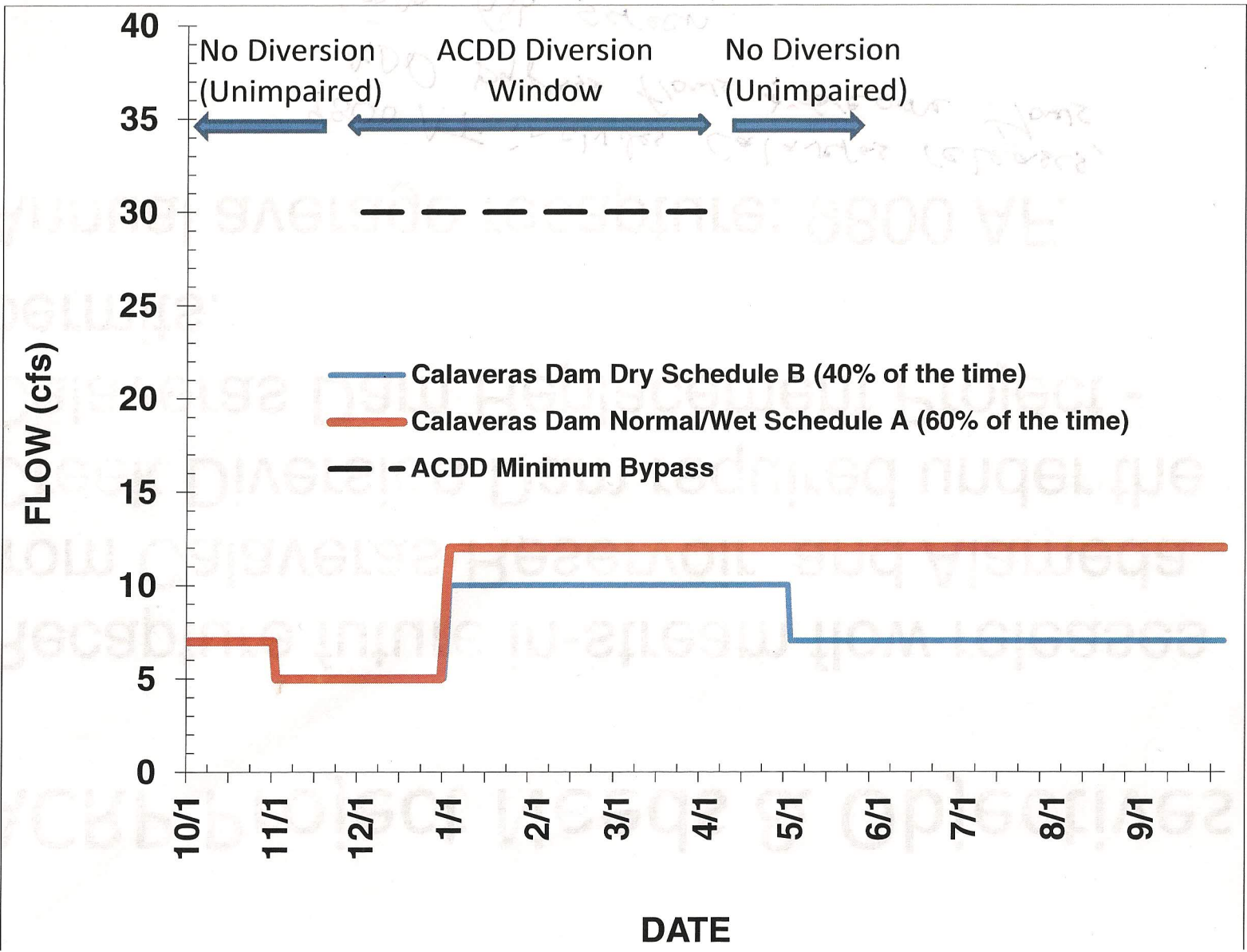
- Project Background
- Project Description and Operations
- Modeled Streamflow Conditions with and without the Project

March 2015

Project Background

- 1997 CDFG MOU set forth releases from Calaveras reservoir for native fish and a provision to recapture the releases. (6300 AF)
- Calaveras Dam Replacement Project permit requirement releases supersede the CDFG MOU releases. (9800 AF)
- Recapture project has changed from infiltration gallery under Alameda Creek in Sunol Valley to passive recapture through quarry pit.

Future Instream Flow Releases in Alameda Creek from Calaveras Reservoir and ACDD

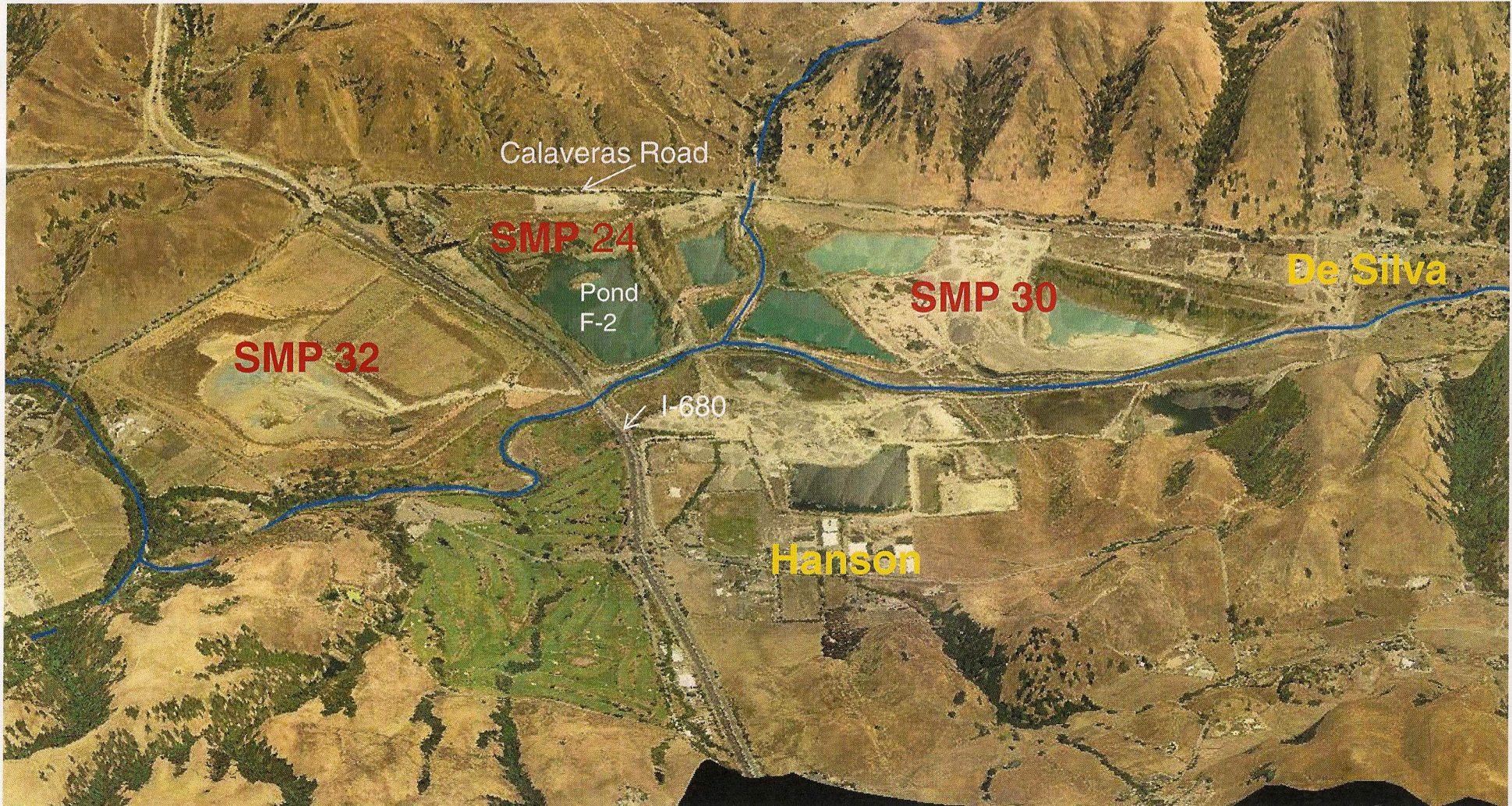


ACRP Project Needs & Objectives

- Recapture future in-stream flow releases from Calaveras Reservoir and Alameda Creek Diversion Dam required under the Calaveras Dam Replacement Project - permits.
- Annual average recapture: 9800 AF.

*9800 AF includes Calaveras releases,
ADD bypass flows & forebay flows
from fish screen*

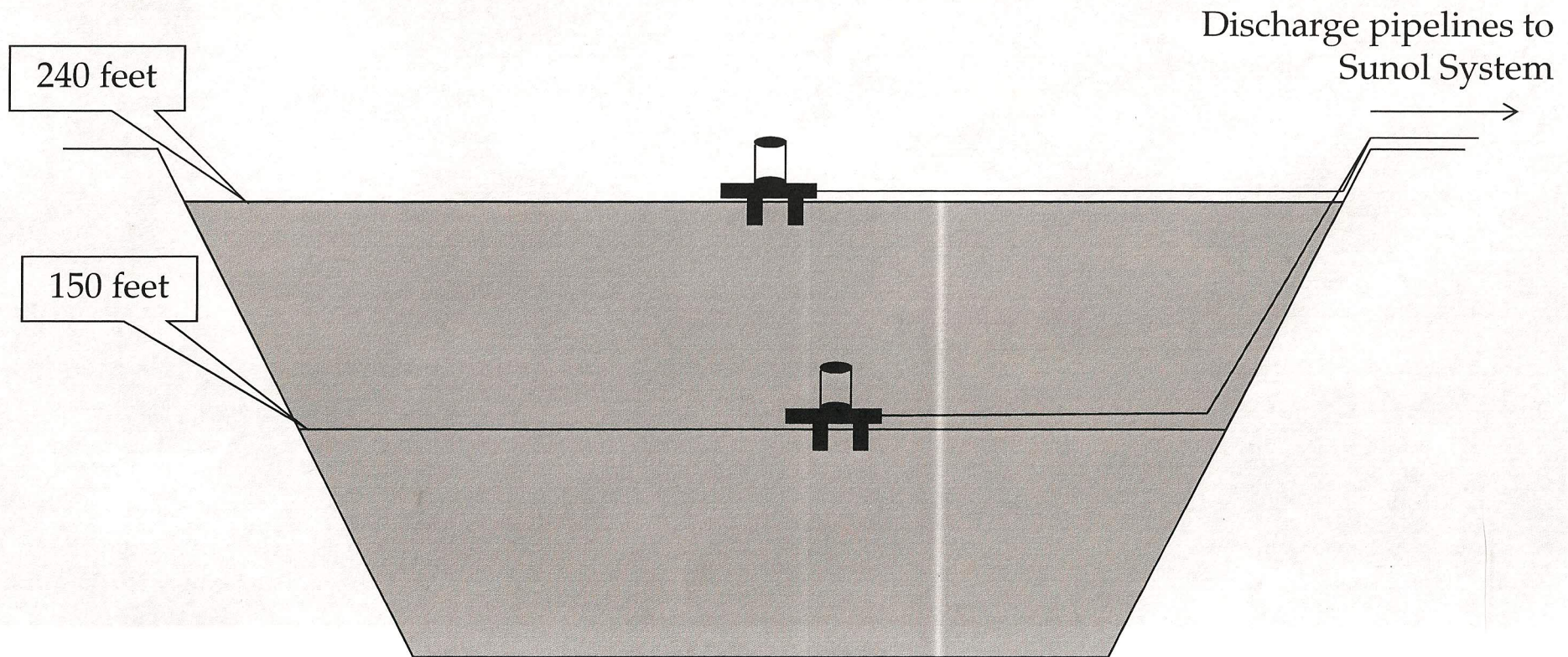
Quarry Pits and their Operation in Sunol Valley



ACRP Operational Description

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- Pump 9800 AF from Pond F2 to SAR or SVWTP
- Pond F2 Average high water elevation: 240 feet
- Pond F2 Average low water elevation: 150 feet



ACRP Operation

- Operate the Pond as a reservoir:
 - Let the Pond fill in the winter
 - Bring the Pond down in late-Spring to early-Fall
- Pumping to occur generally May - October
- Pumps will be on barges in the Pond
 - Pumping rate: 19.4 MGD (30 cfs)
- Distribution to the RWS through the existing Sunol Pump Pipeline

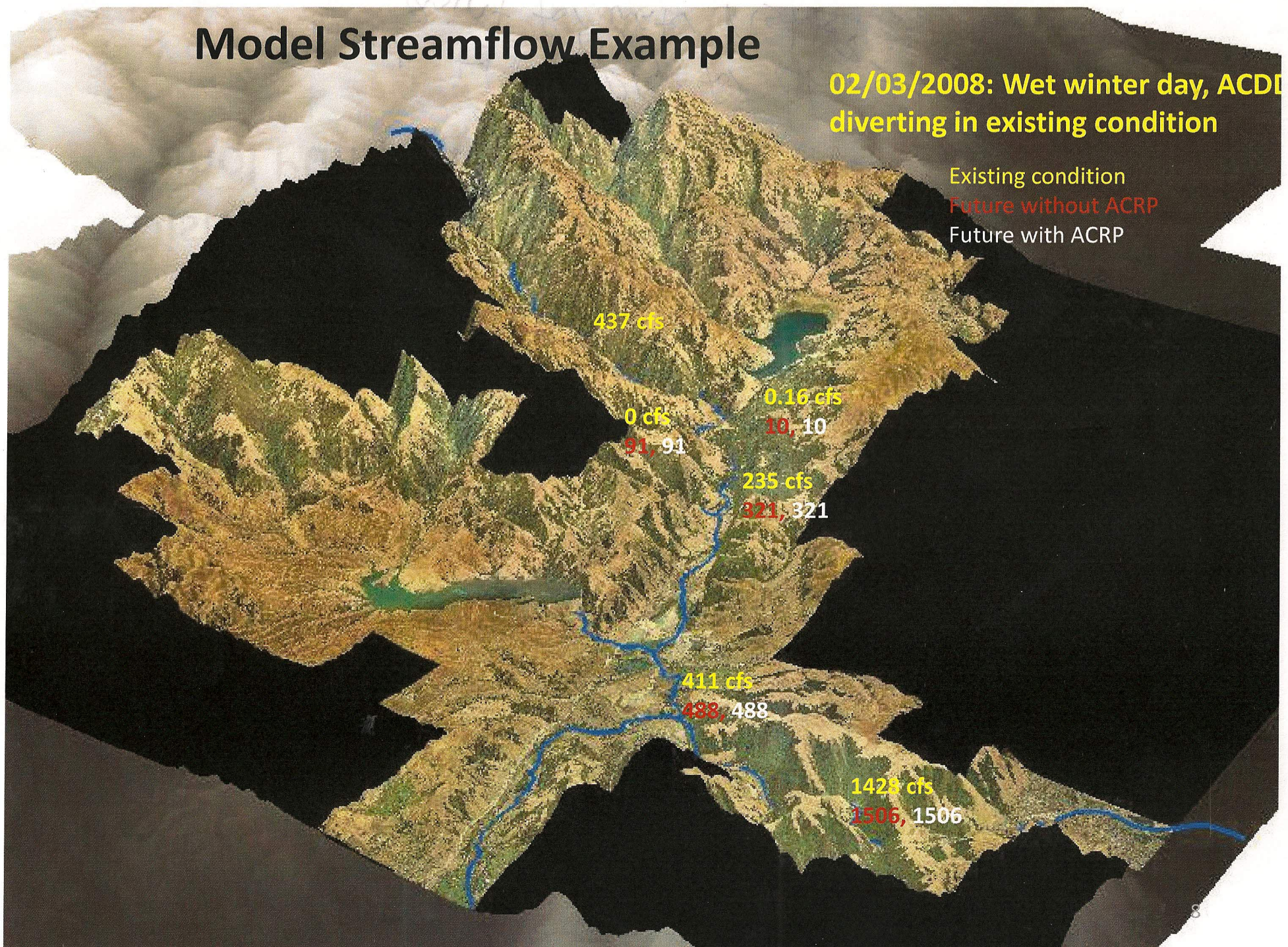
Need to apply for change in diversion point for water rights?

No connection between pond levels and stream flow

Model Streamflow Example

02/03/2008: Wet winter day, ACDI diverting in existing condition

Existing condition
Future without ACRP
Future with ACRP



Model Streamflow Example

03/17/2008: recession limb, ACDD
not diverting in existing condition

Existing condition
Future without ACRP
Future with ACRP

10 cfs

0.07 cfs

10 cfs
10, 10

10, 10

15.1 cfs
25.1, 25.1

6.7 cfs
12.5, 12.5

31.2 cfs
37.0, 37.0

Model Streamflow Example

10/27/2003: Typical
Autumn day

Existing condition
Future without ACRP
Future with ACRP

0 cfs

0 cfs
0, 0

0 cfs
7, 7

0.1 cfs
7, 7

0 cfs
0, 0

35 cfs
35, 35

Schedule

- Notice of Preparation for EIR – Late May/Early June
- Draft EIR – Aiming for End of 2015
- Certification of EIR and Project Adoption – mid-2016
- Construction Period – Spring 2017 to Fall 2018

DRAFT

Alameda Creek, ACRP, Max and Min Surrounding Groundwater Levels

