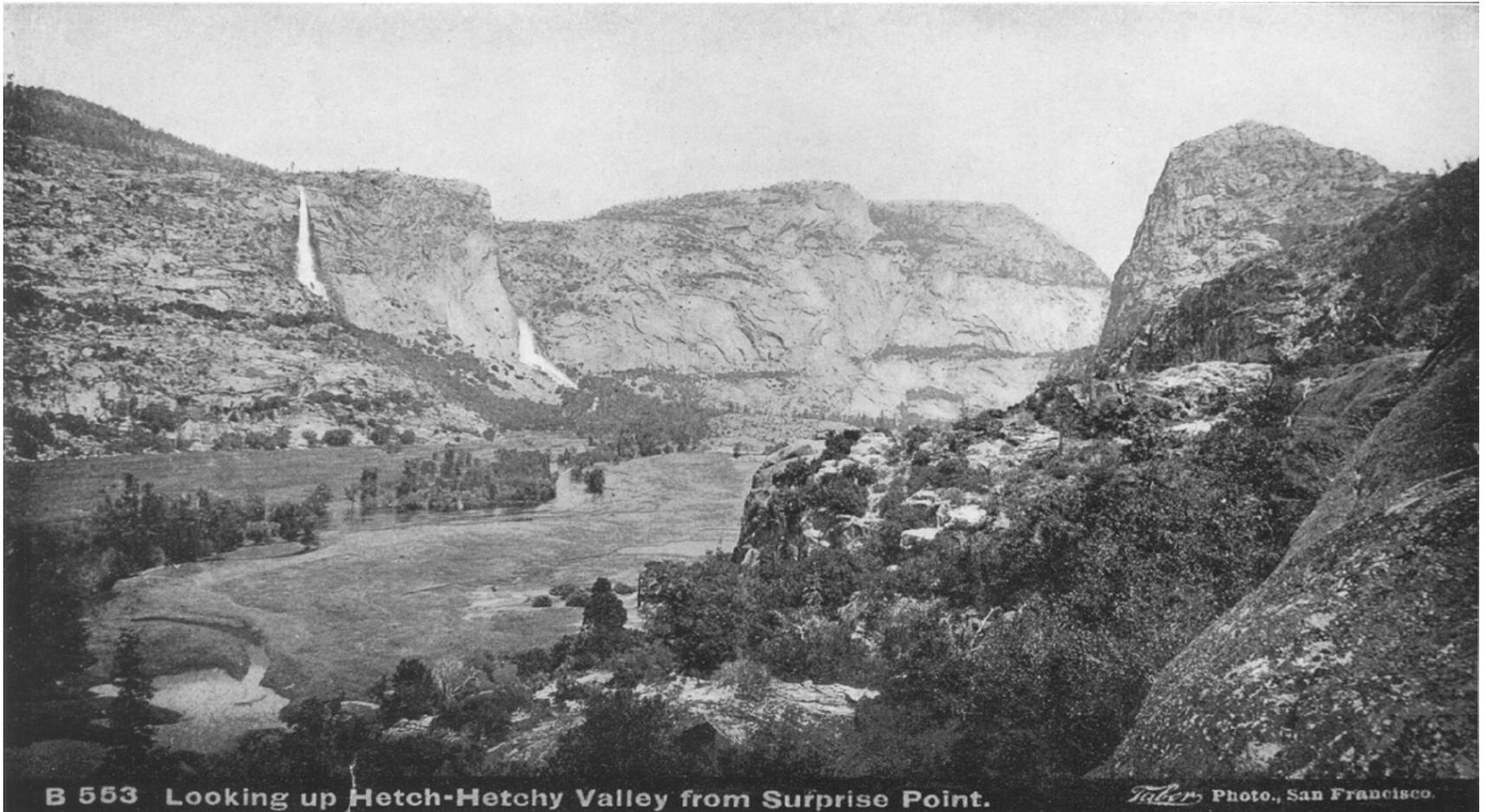




RESTORE HETCH HETCHY
YOSEMITE NATIONAL PARK

Preliminary Comments of Restore Hetch Hetchy on the
Lower San Joaquin River Substitute Environmental
Document (SED):
March 20, 2013



B 553 Looking up Hetch-Hetchy Valley from Surprise Point.

Talbot Photo., San Francisco.



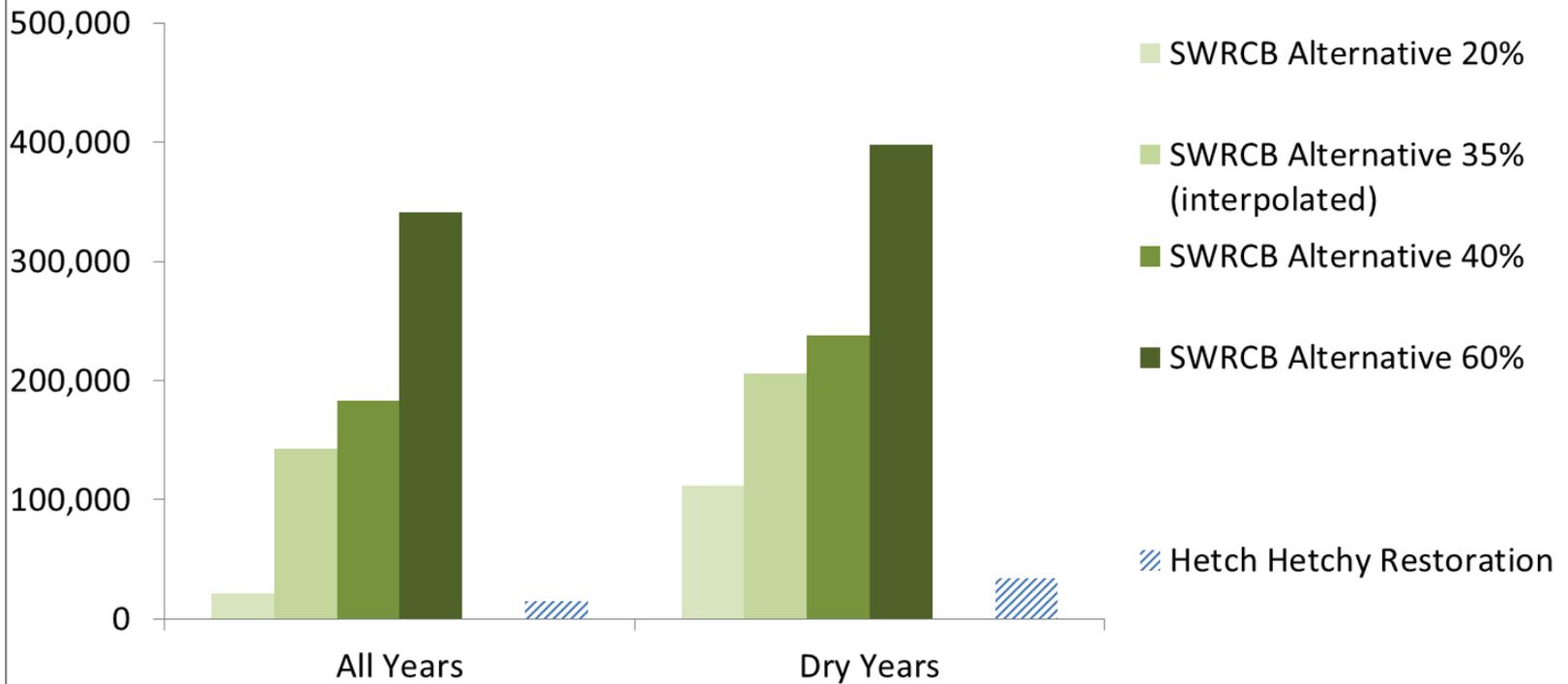
Environmental needs on the upper Tuolumne River.

Figure 1: Tuolumne River Environmental Water Needs

Lower San Joaquin River flow improvement (SWRCB alternatives)

Restoration of Hetch Hetchy Valley in Yosemite National Park

(annual values in acre-feet, measured by projected reduction in diversions for consumptive use)



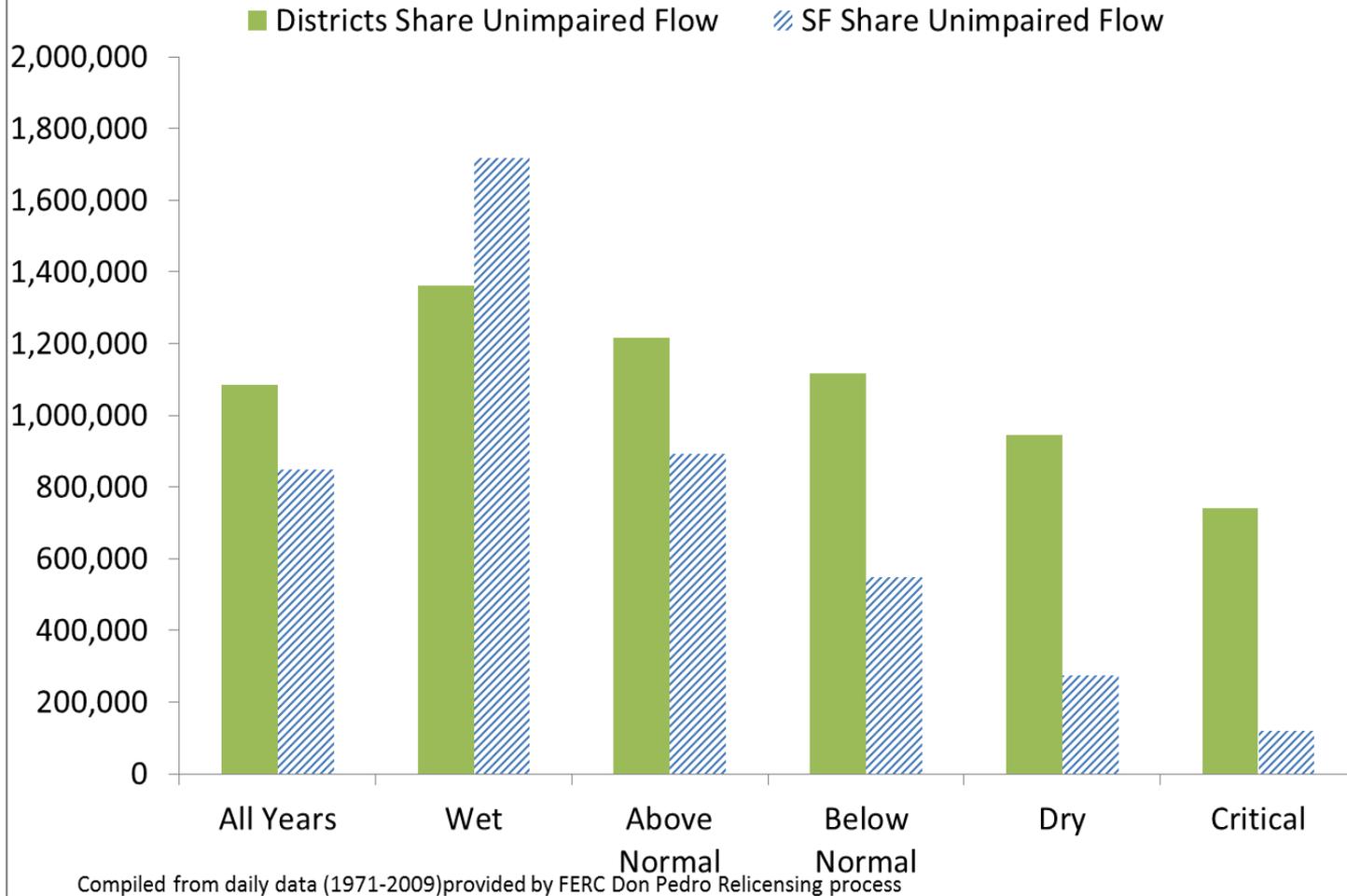
Data Sources:

1. Substitute Environmental Document In Support Of Potential Changes To The Water Quality Control Plan For The San Francisco Bay-Sacramento/San Joaquin Delta Estuary: San Joaquin River Flows And Southern Delta Water Quality, SWRCB ,December 2012, page F.1-42
2. Tuolumne Watershed Diversions without Hetch Hetchy Reservoir: Comparison of Interties to Cherry and Don Pedro Reservoirs, Environmental Defense Fund, February 2005



San Francisco gets very little water in dry years

Figure 2: Breakdown of Tuolumne River Water Rights by Year

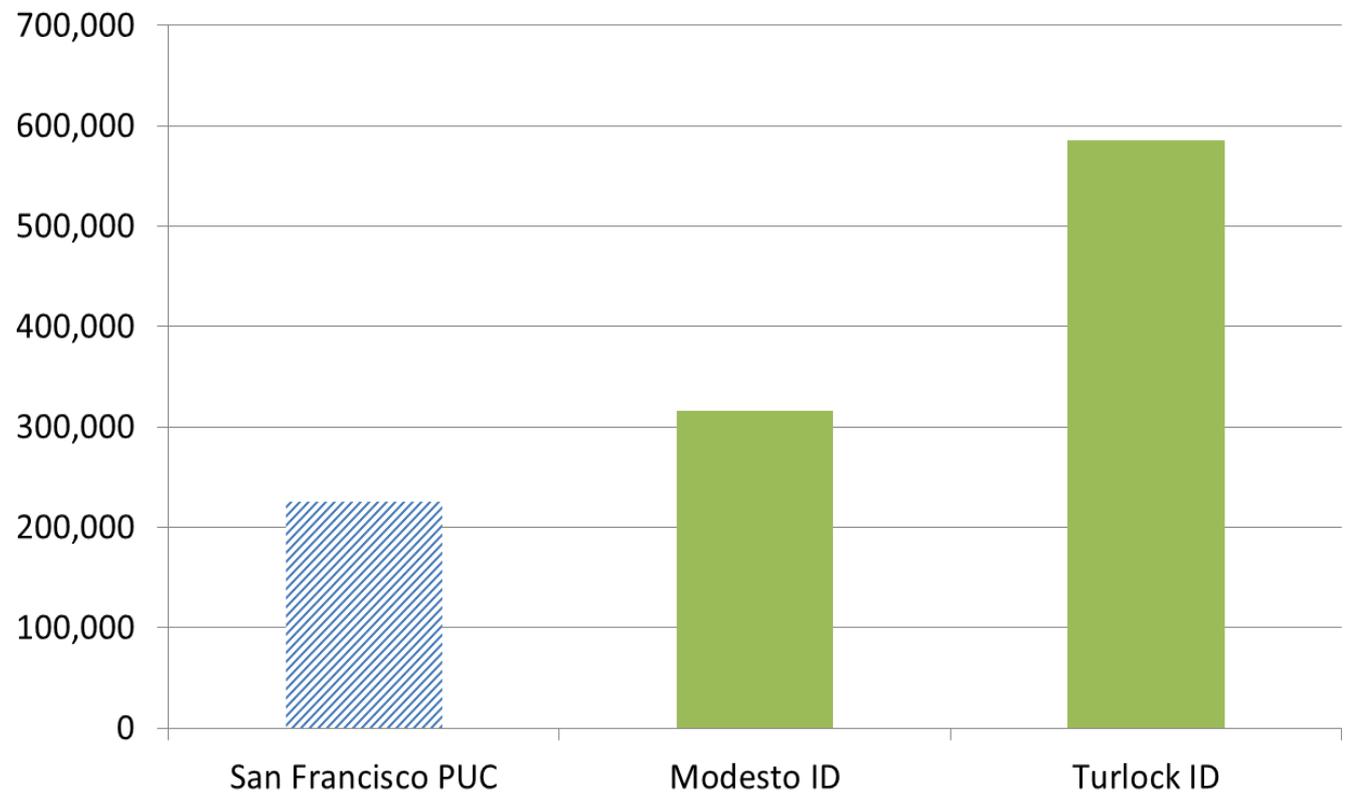




San Francisco accounts for only about 1/5 of Tuolumne diversions

Figure 4: Average Annual Tuolumne River Diversions (1971-2009)

all values in acre-feet

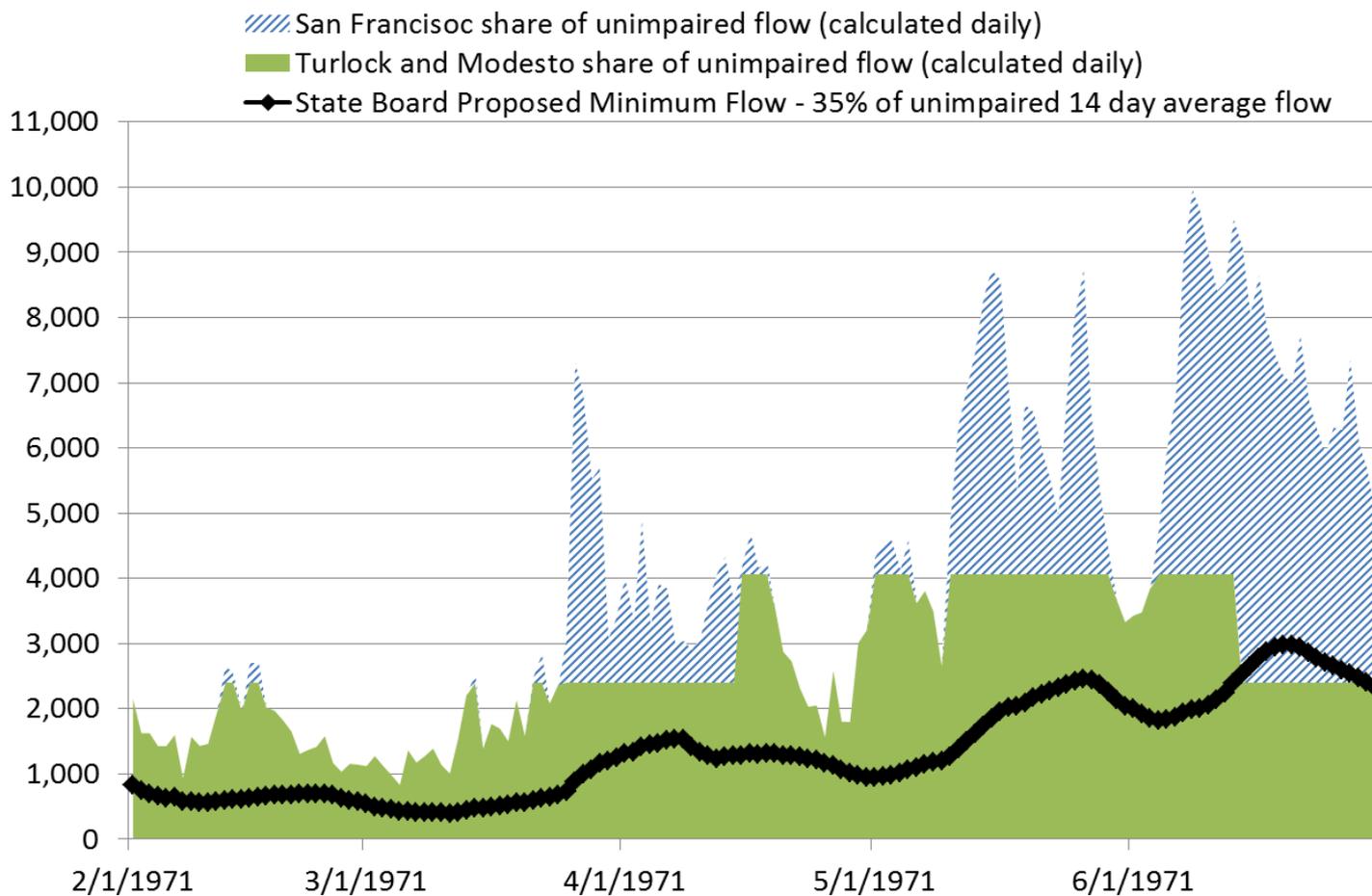


Data Source: Federal Energy Regulatory Commission Don Pedro relicensing process



State Board flow objectives rarely overlap San Francisco's water rights threshold

Figure 5a: (water year 1971)
Tuolumne Water Rights Distribution and SWRCB Proposed Flow Requirements
(flows in cubic feet per second)



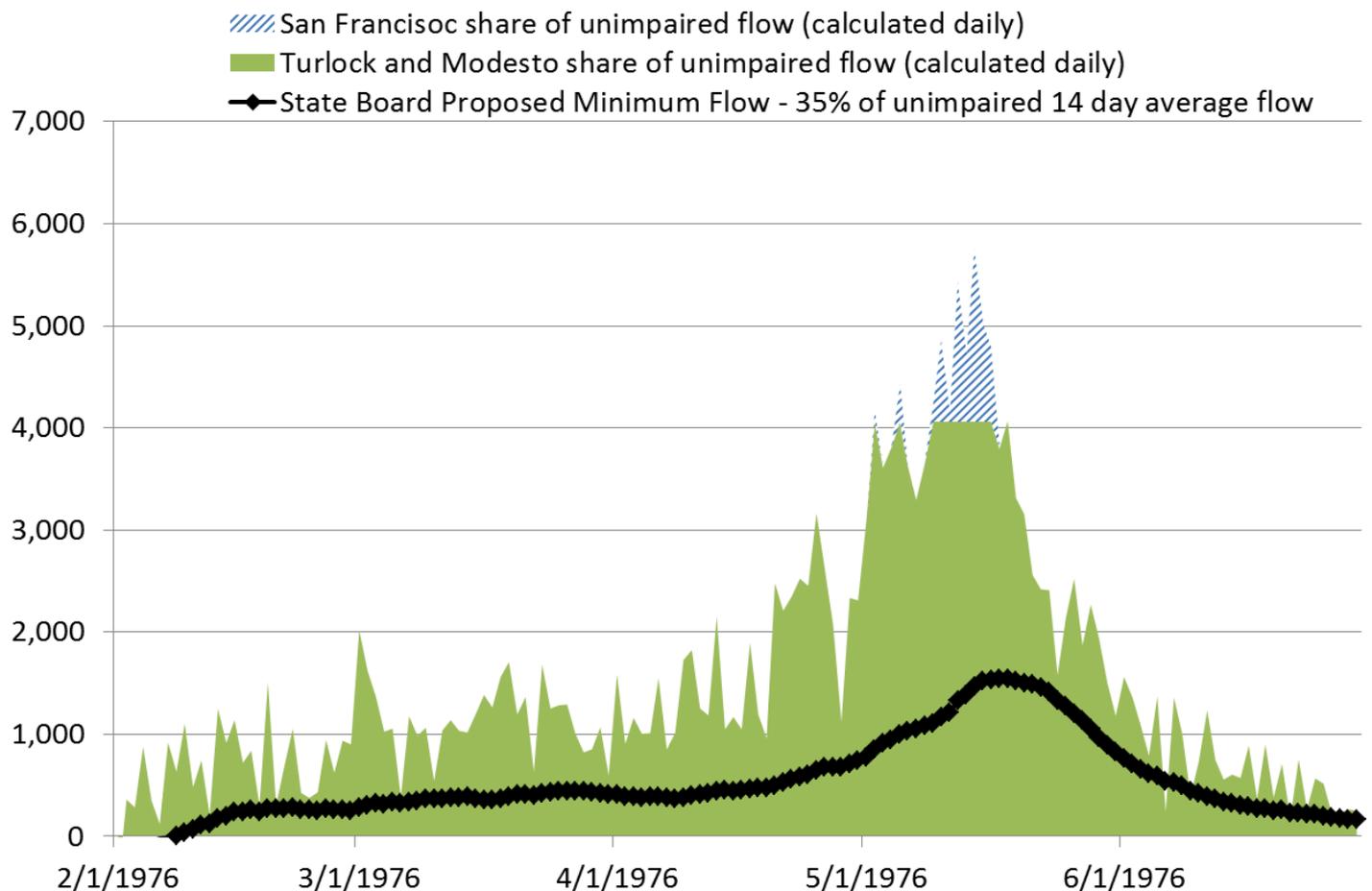


State Board flow objectives rarely overlap San Francisco's water rights threshold

Figure 5b: (water year 1976)

Tuolumne Water Rights Distribution and SWRCB Proposed Flow Requirements

(flows in cubic feet per second)

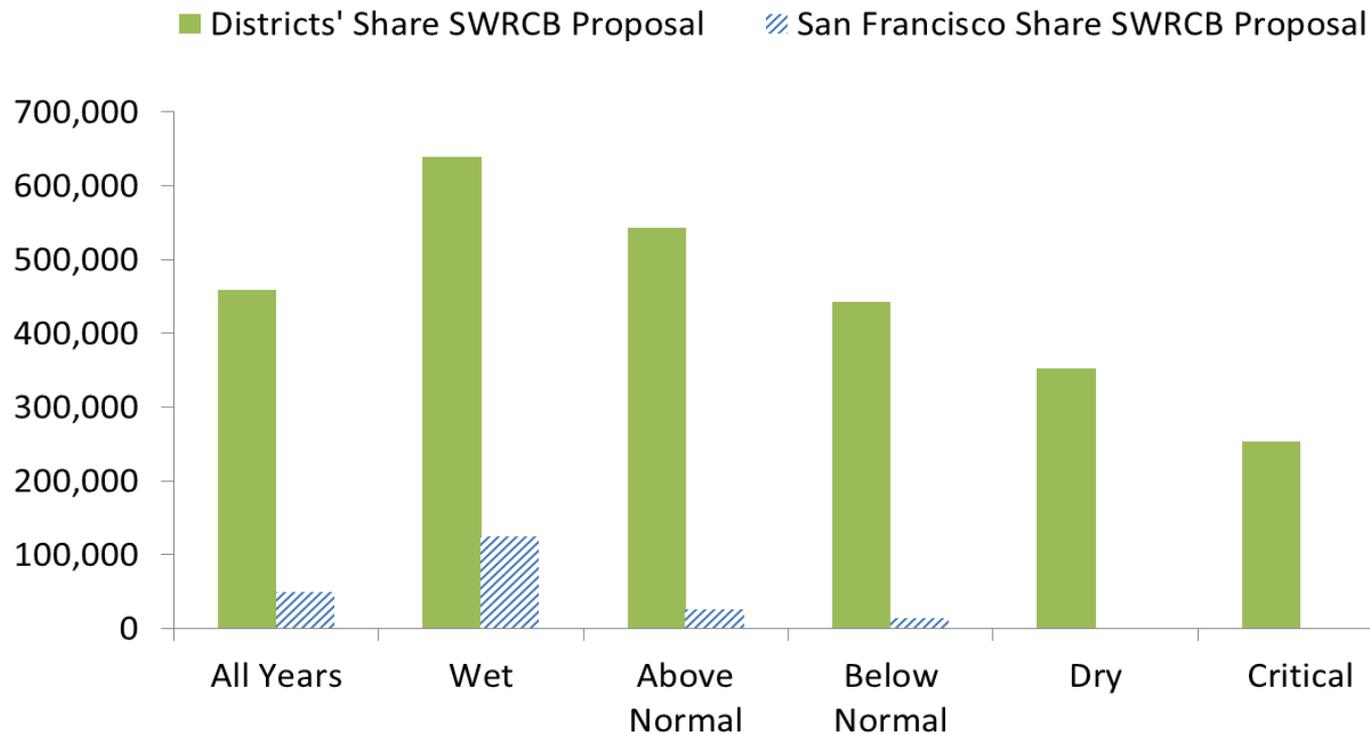




SWRCB objective overlap with SF water rights is imperceptible in dry and critical years, under 5% in above normal and below normal years

Figure 6: Breakdown of SWRCB 35% Flow Proposal by Senior and Junior Water Rights

all values in acre-feet



Compiled from daily data (1971-2009) provided by FERC Don Pedro Relicensing process - <http://www.donpedro-relicensing.com/Lists/Announcements/DispForm.aspx?ID=58&Source=http%3A%2F%2Fwww%2Edonpedro%2Drelicensing%2Ecom%2FLists%2FAnnouncements%2FAllItems%2Easpx>



Restore Hetch Hetchy recommendations to State Board

1. Consider water needs upstream in Yosemite National Park.
2. Flow objectives for lower Tuolumne River should be met in their entirety or very nearly so by senior water rights holders.
3. Anticipate a future proceeding to determine future of Hetch Hetchy Valley in Yosemite National Park.

