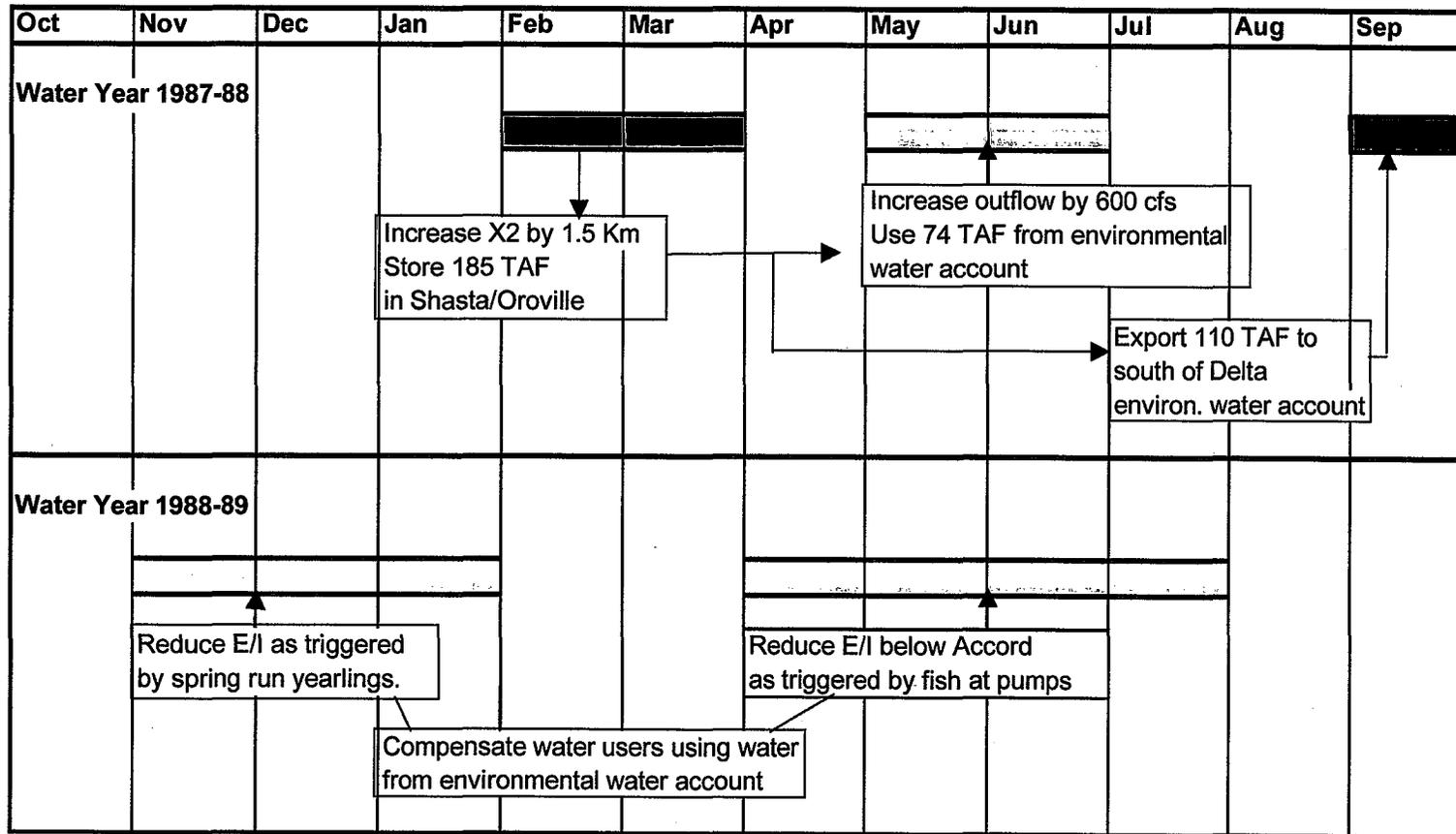


# Flexible Management of X2

- Tends to work in below normal to dry years
- Water year 1987-88 was chosen for illustration because:
  - X2 is controlling for most of Feb. and Mar.
  - relatively few fish early in the year
  - more fish staying in central Delta
  - fish appeared near the pumps later than most years -- late April to mid-June

## Flexible Management of X2 An Illustration

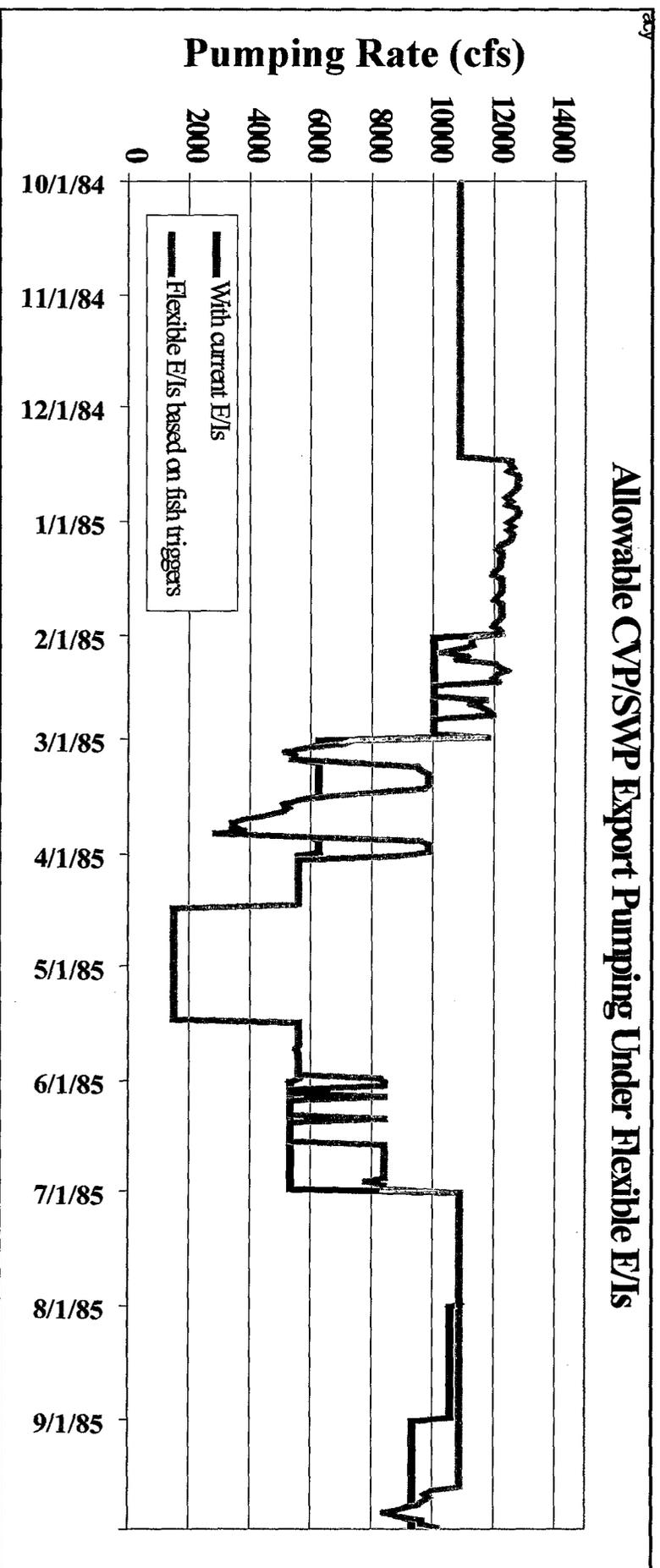


D-058762

# Flexible Export to Inflow Ratio (E/I)

- Increase E/I 20% above Accord as triggered by absence of fish
- 348,000 AF potential “gain” in water year 1985-85~~5~~<sup>6</sup>

# Allowable CVP/SWP Export Pumping Under Flexible E/Is



Monthly Avg	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
Current E/Is	10880	10880	11843	12235	10020	5530	3411	3618	5352	10880	10574	9281	8709
Flexible E/Is	10880	10880	11843	12235	11068	6935	3518	3704	7065	10880	10880	10373	9188
Difference	0	0	0	0	1048	1405	107	86	1713	0	306	1092	480
in tcf	0	0	0	0	60	86	6	5	102	0	19	65	348

### Trigger Days

at Banks	at Tracy
4	12
6	8
2	7
0	0
0	0
0	9
0	1
25**	28**
27**	30**
11	3
0	2
0	0
0	0
75**	100**

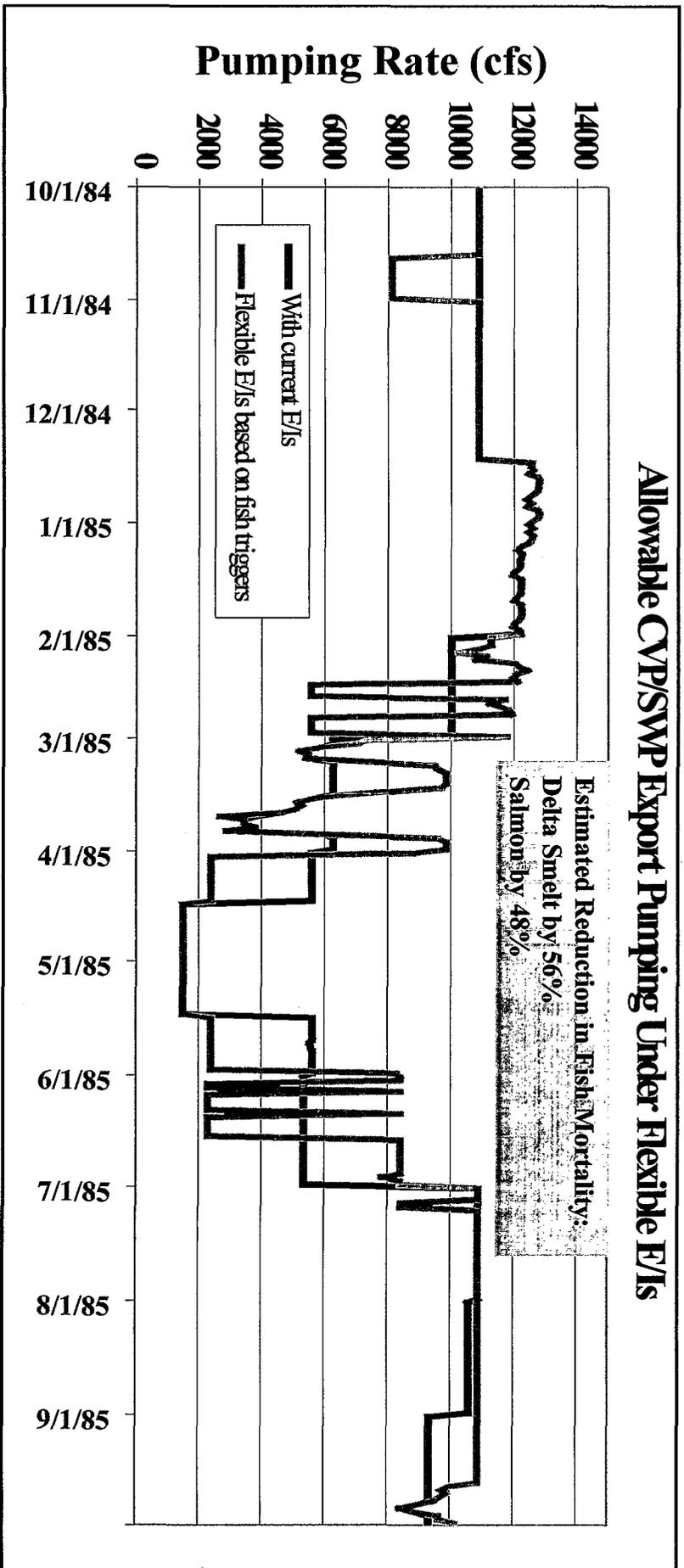
\* In the presence of fish, E/Is would stay the same as the original set; when fish are not present, E/Is of 0.65 would go up to 0.85 and 0.35 to 0.55.

\*\* At Banks, there were 15 days overlapping with the VAMP in both April and May, and at Tracy, 16 days coinciding the VAMP in April and 15 days in May.

# Flexible Export to Inflow Ratio (E/I)

- Increase E/I 20 % above Accord as triggered by absence of fish
- Decrease E/I 20% as triggered by presence of fish
- 70,000 AF is needed from the environmental water storage account to achieve 50% reduction in direct fish mortality

## Allowable CVP/SWP Export Pumping Under Flexible E/Is



Monthly Avg	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
Current E/Is	10880	10880	11843	12235	10020	5530	3411	3618	5352	10880	10574	9281	8709
Flexible E/Is	9814	10880	11843	12235	9637	6997	2132	2156	5739	10722	10880	10373	8609
Difference	-1066	0	0	0	-383	1367	-1279	-1461	387	-158	306	1092	-100
in tcf	-66	0	0	0	-21	84	-76	-90	23	-10	19	65	-72

\* When triggered by presence of fish, E/Is of 0.65 would be lowered to 0.45 and 0.35 to 0.15, when fish are not present, E/Is of 0.65 would go up to 0.85 and 0.35 to 0.55.