

Butte Creek and Sutter Bypass: Operations Map

Draft Version - January 2024

Note: The information presented below for the decreed section of Butte Creek is intended to provide a simplified overview and does not represent operational conditions or an operational decision. The decree itself governs operations within that portion of Butte Creek and there are multiple variable conditions that can impact operations. Actual operational values will likely differ from the theoretical maximum allotment scenario presented in the tables below.

Decree: Butte Creek above Little Butte Creek

Priority Class	Allotments (cfs)
First	7.59
Second	9.65
Total	17.24

Sacramento River

Butte Creek

West Branch Feather River

Hendricks Canal

Maximum capacity is 90 cfs

Decree: Import Water

	First Priority	Second Priority	Total
Dayton MWC	3.333	--	3.333
M&T	3.333	50.00	50.333
PIC	3.333	50.00	50.333
Total	10.00	100.00	110.00

Decree: Butte Creek below Little Butte Creek

Priority Class	Apr 1 – Jun 15	Jun 16 – Jun 30	Jul 1 – Sept 30	Oct 1 – Oct 15	Oct 16 – Mar 31
First	87.91	87.91	87.91	87.91	24.66
Second	6.00	6.00	6.00	6.00	6.00
Third	2.75	2.75	2.75	2.75	2.75
Subtotal	96.66	96.66	96.66	96.66	33.41
Pars. 80- 87	301.99	182.00	187.70	130.00	10.00
Total	398.65	278.66	284.36	226.66	43.41

Decree: Little Butte Creek and Tributaries

Priority Class	Allotments (cfs)
First	7.75
Second	11.86
Third	1.98
Fourth	2.50
Total	24.09

Western Siphon

- Downstream extent of decreed section
- Controlled operational spill location

Decree: Outflows / Instream Flows

	Flow	Season	Priority Class
M&T/PIC Bypass	40 cfs ¹	Oct 1 – Jun 30	Import Water
Friends of Butte Creek	1.5 cfs ^{1,2} 5 cfs ²	Oct 16 – Mar 31 Apr 1 – Oct 15	First Priority

¹ – To ensure proper distribution of water within the service area, the watermaster must ascertain the amount of water available and distribute it by amount and priority according to established water rights. Carriage losses are distributed across all diversions. The Amount of water available is the combined aggregate of all divertible allotments measured at each POD. As such, potential outflow for this bypass flow is likely to be less than the listed amount.

² - The first priority right will be proportionally reduced during times there is insufficient flow to meet all first priority rights.

Flow Gage: BCK

Flow Gage: BPD

Flow Gage: BCD

Stage Gage: BDH

CA-99

Feather River

Western Canal

CA-162

Cherokee Canal

Western drainage/tailwater spill locations

- Can be partially controlled but driven by rice drainage
 - East Side: drainage from Little Dry Creek overflow
 - West Side: drainage from 501 main drain

Sanborn Slough Bifurcation Facility

	Butte Creek	Sanborn Slough
May 1 – Aug 31	70% of flow	30% of flow
Sept 1 – Jan 15	30% of flow	70% of flow
Jan 15 – Apr 30	Facility remains substantially or fully open	

White Mallard Dam

54.5 ft msl target immediately upstream of dam

Sanborn Slough

CA-99

Butte Slough Outfall Gates

Flow Gage: BSL

Weir 5

Weir 3

Weir 1

Tisdale Weir

CA-20

Stage Gages: SB3, PM3

Weir 2

Stage Gages: SB2, PM2

Stage Gages: SB1, PM1

Willow Slough Weir

Flow Gage: WSL

Ladders operable down to approximately:

E-W: 20 cfs

Weir 5: 20 cfs

Spring-run Chinook Salmon

Adult migration: January – June

Juvenile outmigration: October – June