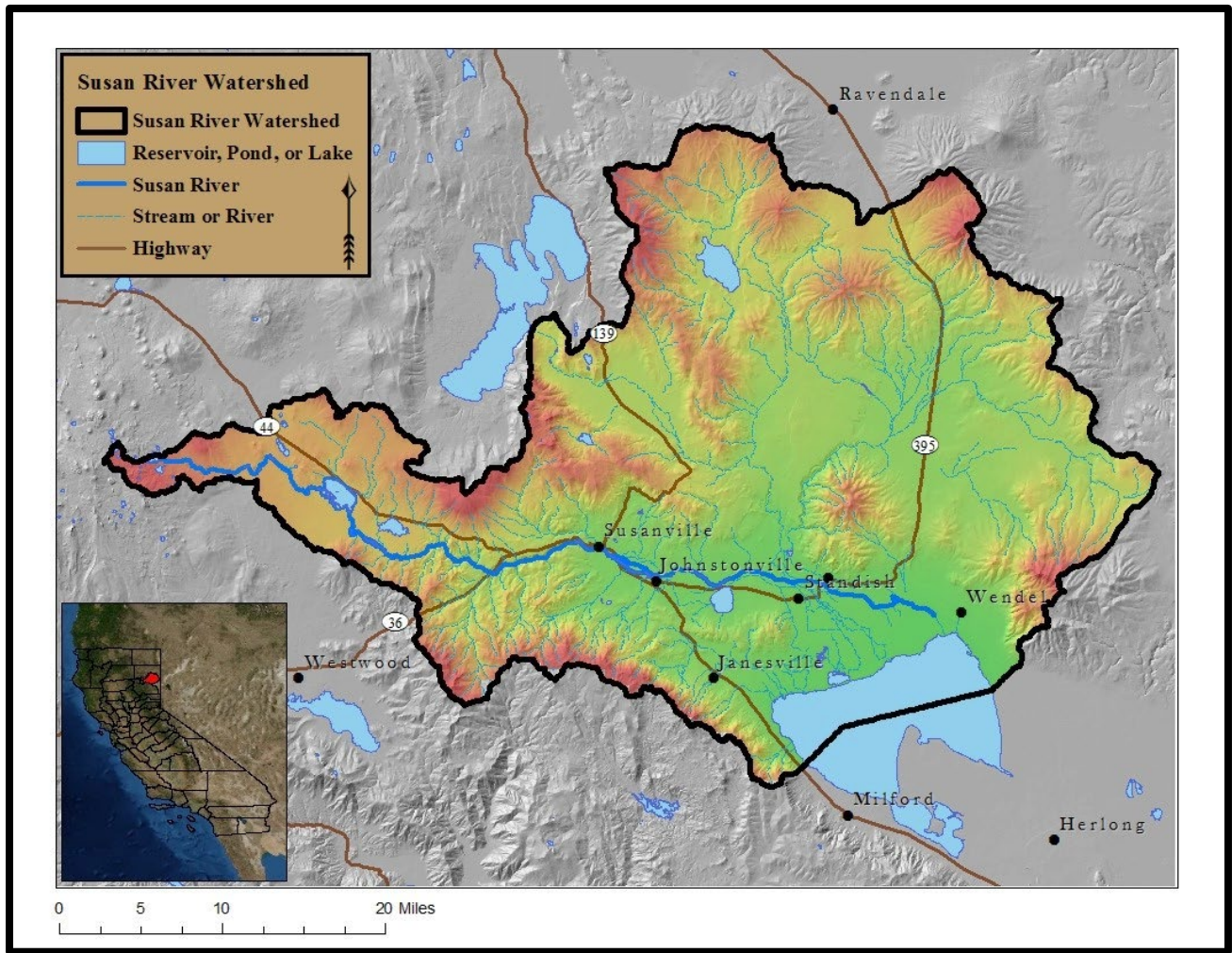




HONEY LAKE VALLEY  
RESOURCE  
CONSERVATION  
DISTRICT

# SUSAN RIVER WATERMASTER SERVICE AREA



ANNUAL USE REPORT - 2020/21

# Susan River

## Watermaster Service Area

### Annual Use Report- 2020/2021

**Fiscal Year:** July 1, 2020- June 30, 2021  
**Irrigation Season:** March 1, 2021- October 31, 2021  
**Storage Season:** November 1, 2020- February 29, 2021

Lassen County, California  
Decree No.'s 4573, 8174 and 8175  
Submitted by December 31, 2021 to  
The Presiding Judge, Lassen County Superior Court



Prepared By:  
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## General Description:

The Susan River service area is located in the southern part of Lassen County in the vicinity of the town of Susanville. There are approximately 246 water right owners in the service area with total continuous allotments of 351.922 cubic feet per second in addition to storage rights held by several users. The source of supply consists of three stream systems as follows: Susan River, Baxter Creek, Parker Creek and their associated tributaries.

Susan River has its sources on the east slope of the Sierra Nevada Mountains in the southwesterly portion of Lassen County immediately east of Lassen National Park at an elevation of about 7,900 feet. Its channel runs easterly from Silver Lake through McCoy Flat Reservoir, through Susanville, and easterly on to Honey Lake.

Susan River has four major tributaries: Paiute Creek (entering from the north at Susanville), Gold Run and Lassen Creeks (entering from the south between Susanville and Johnstonville), and Willow Creek (entering from the north above Standish). Gold Run Creek and Lassen Creek rise on the north slope of Diamond Mountain at an elevation of about 7,600 feet. The watersheds of Paiute Creek and Willow Creek are lower and they rise on the south slopes of Round Valley Mountains.

A short distance below the confluence of Willow Creek and Susan River the river channel divides into three branches known as Tanner Slough Channel on the north, Old Channel in the middle, and Dill Slough Channel on the south. Two channels which take off of Dill Slough on the south are known as Hartson Slough and Whitehead Slough.

The Baxter Creek stream system is situated in Honey Lake Valley on the east slope of the Sierra Nevada about 10 miles southeast of Susanville in the southern portion of Lassen County. The principal streams in the Baxter Creek stream system are Baxter Creek (which rises in the extreme western portion of the basin and flows in an easterly direction), Elysian Creek, Sloss Creek, and Bankhead Creek (a tributary to Baxter Creek from the south). Elysian Creek has three tributaries: North Fork Elysian Creek, South Fork Elysian Creek, and Kanavel Creek.

Parker Creek is situated in Honey Lake Valley on the east slope of the Sierra Nevada about 15 miles southeast of Susanville in the southern portion of Lassen County. Its source is on the east

slope of Diamond Mountain and flows in an easterly direction for about 5 miles into Honey Lake. The primary area of water use in the Susan River service area is in Honey Lake Valley between Susanville and the northwest shore of Honey Lake, 25 miles in length. The valley floor is at an elevation of about 4,000 feet.

## Water Supply:

The water supply in the Susan River service area comes from two major sources: snowmelt runoff and springs. The snowpack on the Willow Creek Valley and Paiute Creek watersheds, which embrace more than half of the Susan River stream system, melts early in the spring and usually is entirely depleted by the first of May. The irrigation requirements from this portion of the stream system after the first of May are almost entirely dependent upon the flow of perennial springs which remain constant throughout the year. Under normal conditions, the flows of Lassen Creek, Gold Run Creek, Baxter Creek, Parker Creek, and the Susan River above Susanville are well sustained by melting snows until early June. The flow from perennial springs in this portion of the water system is comparatively small. The Lassen Irrigation Company stores supplemental water in Hog Flat Reservoir and McCoy Flat Reservoir, located on the headwaters of the Susan River. This stored water is released into the Susan River, which is used as a conveyance and commingled with the natural flow usually during June and July. It is then diverted into the A and B Canal leading to Lake Leavitt for further distribution by the irrigation district.

## Methods of Distribution:

Irrigation in the Susan River service area is accomplished by placing diversion dams in the main channel of the stream system, to raise the water to the level required to divert into the canals, sloughs and ditches. These dams for diversion are relatively large on the Susan River compared to those on the smaller tributaries. Various methods of irrigation are practiced; the most common approach is by flooding. With this technique, water is transported by a main conveyance channel along the high point of the lands to be irrigated. It is then dispersed by laterals along the higher ridges of the tract from which it can be distributed over the area to be irrigated by the smaller laterals of the ditch system. Sub-irrigation occurs in some areas incidental to surface irrigation or because of seepage from ditches or creek channels. During

the past several years, numerous users have increased the usage of sprinkler irrigation by wheel lines to improve the efficiency of their irrigation systems.

## Watermaster Service Fiscal Information:

The FY 2020/2021 Watermaster Service Budget was adopted on June 9, 2020 in the amount of \$225,000; increasing from the previous 2019/2020 Fiscal Year total assessment amount of \$180,000. The Budget was increased due to high legal fees experienced by the District over three active water right litigation cases. A courtesy letter notifying the water users of the upcoming increase was mailed in May 2020. The required notification regarding the budget, apportionment and individual assessments were mailed to the users and filed with the Lassen County Superior Court before June 15, 2020. There were no filed objections to the budget or apportionment within 15 days or thereafter; and thus, deemed approved by the Court without further hearing. The approved budget, apportionment, and individual assessments were certified to the Lassen County Auditor and the Lassen County Board of Supervisors prior to August 10, 2020.

An audit for Fiscal Year starting July 1, 2019 thru June 30, 2020, has been completed and is available on the Honey Lake Valley RCD website.

## 2020/2021 Water Allocation and Distribution:

The Susan River Watermaster Service Area experienced extremely light precipitation compared to the area's average. Based on NOAA and NRCS SNOTEL data, the National Weather Service labelled Susanville as in 'Extreme Drought' for the perpetuity of the 2021 Irrigation Season. The availability of water that could be put to beneficial use was so low and short lived that numerous water users were unable to irrigate at all, or for maybe one crop rotation.

Cooler and wetter conditions were seen starting in late September. There were several minor precipitation events early in October that were followed by a strong atmospheric river storm in the final days of October. The early precipitation penetrated the extremely dry soil and did not affect the flow of the systems. The late October storm, in addition to the large burn scar from the 2020 Sheep Fire, caused widespread flooding and washouts. All systems increased

significantly, including Susan River at Susanville, where flows increased to the thousands for 48-hours, and then reduced to the hundreds which maintained for about 72 hours. This increase in water enabled some users to resume the use of stockwater. The general availability of water for the various stream systems are described below.

**Parker Creek:** First priority water rights were served through early May.

**Baxter/Elysian Creek:** Users of both Baxter Creek and Elysian Creek could divert at prorated rates through late May.

**Paiute Creek:** The water supply in Paiute Creek was dry for most of year, with low flows in March and April.

**Lassen Creek:** There was sufficient water in Lassen Creek to provide prorated water amounts until mid-May.

**Hills Creek:** The water supply in Hills Creek continued into mid-May.

**Gold Run Creek:** The water supply in Gold Run Creek supplied prorated water right amounts through mid- May.

**Upper Susan River:** At the start of Irrigation Season, March 1, the Upper Susan was at approximately 17% water availability of the Schedule 5, 2nd priority water right allotments. Full water right allotments were never met with the highest flows reaching 65-70cfs out of the 100%- 72.45cfs for a couple days in early April. Thus, users were prorated most of the season with flows quickly decreasing in early May, only leaving stock water available come mid-May. Stock water availability through the irrigation season and into the storage season was very limited; this caused farther downstream users to rely on well pumping, the majority of users to supplement with well pumping, and neighboring users to rotate the water use.

**Lower Susan River Below the Confluence of Willow Creek:** The Lower Susan started off the season below 100% of the Schedule 3, 2nd priority water rights. These users were prorated until only stock water was available in late April. Due to low flow, stock water was only available to

those higher upstream, or closer to the channel. Users relied on well pumping either completely or as supplement.

**Willow Creek:** Prorated allocations were available through late May. Flows were sufficient enough for stockwater into August.

**Bankhead/Sloss Creek:** Irrigation water was available until late April.

**Lassen Irrigation Company Storage Reservoirs:** By the start of irrigation season, McCoy Flat stored to a stage height of 0.9 feet. LIC began diverting water from McCoy on April 19, 2021, utilizing completely by April 23, 2021. Hog Flat reserved to a stage height of 2.5 feet. This water was utilized starting on April 19, 2021 and was completely drained by approximately May 4, 2021.

## Miscellaneous notable events:

1. On April 30, 2021 the California Court of Appeals, Third Appellate District, decided on the Dow- Bonomini 2013 Family Trust Appeal of the June 3, 2019 Lassen County Superior Court decision; siding with the RCD on the interpretation of the phrase “and, or” of paragraph 21 of the 4573 Decree, allowing Lassen Irrigation Company the ability to store and release water simultaneously. The Dow party appealed this decision to the US Supreme Court, of which it has not yet been denied or accepted.
2. On March 9, 2021 the Lassen County Superior Court ruled on the new case filed by the Dow- Bonomini 2013 Family Trust on the Watermasters’ disallowance of the transfer of Schedule 4- Gold Run Creek, and Schedule 5- Upper Susan River water rights, for use below the confluence of the Susan River and Willow Creek; and the use of 740 acre-feet of water described in the Barham Kelly 3037 Judgment argued to be additional water rights to the 4573 Decree. The travelling Judge ruled in the Trust’s favor. The RCD appealed this ruling to the California Court of Appeals, Third Appellate District. The Trust responded by filing for harmful reimbursement payment and objecting the RCD’s legal authority to file an appeal. The Lassen County Superior Court ruled that due to the type of organization the RCD is, they cannot be legally forced to pay a harmful reimbursement, and that they are able to appeal the Superior Court’s decision. As of



mid-December 2021, both parties' Briefs have been filed with the California Court of Appeals and a trial date is waiting to be set.

3. There were no Watermaster Complaints filed in the March 1, 2021- October 31, 2021 Field Season.
4. The current Deputy Watermaster, Carrie Adams, has resigned from the position after 2 years and 7 months with her last day being December 31, 2021. The RCD is currently advertising the position on a rolling basis.

## Appendices A-E

Numerical values are in cubic feet per second (cfs)

- = No Reading

## Appendix A: Department of Water Resources, Digital Gauge Data

### SUSAN RIVER at SUSANVILLE (SSU)

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	19	43	36	8	4	7	6	7
2	20	49	33	7	4	6	6	7
3	21	56	31	7	3	6	6	7
4	21	60	27	6	4	6	6	7
5	22	59	25	6	3	6	6	7
6	28	53	23	6	3	7	6	7
7	28	49	22	6	3	7	6	7
8	26	47	20	6	3	7	6	7
9	25	44	19	6	3	7	5	7
10	25	44	18	8	3	7	7	8
11	23	44	17	7	3	7	6	8
12	21	41	16	7	3	6	6	8
13	21	38	16	7	3	6	7	9
14	23	34	15	6	3	7	7	9
15	23	31	16	6	3	7	7	9
16	22	29	18	5	4	7	7	9
17	22	29	15	5	4	7	8	9
18	24	28	12	5	4	7	7	10
19	39	29	12	5	4	7	9	9
20	38	43	12	5	5	7	8	10
21	31	59	13	5	5	7	8	10
22	30	57	13	4	5	7	8	10
23	32	49	13	5	6	7	8	35
24	29	44	12	5	5	7	7	1400
25	29	41	11	6	6	7	7	1400
26	29	42	11	6	6	7	6	320
27	29	39	10	6	7	7	6	116
28	36	35	10	5	7	7	7	105
29	48	34	9	5	6	7	7	97
30	46	36	9	4	7	6	7	76
31	41		8		7	6		54

## SUSAN RIVER at the CONFLUENCE of WILLOW CREEK (SSD)

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	3	8	0	0	0	0	0	0
2	3	6	0	0	0	0	0	0
3	3	9	0	0	0	0	0	0
4	3	14	0	0	0	0	0	0
5	2	18	0	0	0	0	0	2
6	6	19	0	0	0	0	0	0
7	8	16	0	0	0	0	0	0
8	8	9	0	0	0	0	0	0
9	6	8	0	0	0	0	0	0
10	3	9	0	0	0	0	0	0
11	3	9	0	0	0	0	0	0
12	2	8	0	0	0	0	0	0
13	3	8	0	0	0	0	0	0
14	3	8	0	0	0	0	0	0
15	2	11	1	0	0	0	0	0
16	0	8	0	0	0	0	0	0
17	0	--	0	0	0	0	0	0
18	0	5	0	0	0	0	0	0
19	0	4	0	0	0	0	0	2
20	11	3	0	0	0	0	0	0
21	12	3	3	0	0	0	0	0
22	11	2	1	0	0	0	0	0
23	11	0	0	0	0	0	0	x
24	11	1	0	0	0	0	0	x
25	10	2	0	0	0	0	0	x
26	10	1	0	0	0	0	0	x
27	10	6	0	0	0	0	0	x
28	7	3	0	0	0	0	0	x
29	6	0	0	0	0	0	0	x
30	9	0	0	0	0	0	0	x
31	9		0		0	0		x

**WILLOW CREEK at the CONFLUENCE of the SUSAN RIVER (WCD)**

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	14	15	7	5	0	3	0	0
2	14	15	7	5	0	3	0	1
3	14	16	7	5	0	3	0	2
4	14	17	7	5	0	2	0	3
5	13	19	7	5	0	2	0	4
6	15	19	7	5	1	3	0	3
7	16	19	7	5	1	4	0	3
8	15	17	7	5	0	5	0	4
9	14	16	6	5	0	4	0	3
10	13	17	6	5	0	0	0	4
11	13	17	6	5	0	0	0	4
12	13	17	6	5	0	0	0	4
13	13	17	6	5	0	0	0	4
14	13	20	6	5	0	0	0	4
15	13	23	6	5	0	0	0	4
16	13	21	7	5	0	0	0	4
17	13	--	6	5	0	0	0	4
18	13	17	6	5	0	0	0	4
19	13	15	6	5	0	0	0	4
20	16	14	8	5	0	0	0	5
21	17	13	12	4	0	0	0	5
22	17	13	11	4	0	0	0	5
23	18	12	9	4	0	0	0	x
24	18	12	8	4	2	0	0	x
25	18	11	7	4	3	0	0	x
26	18	11	7	4	3	0	0	x
27	17	11	6	3	3	0	0	x
28	16	9	6	3	3	0	0	x
29	15	8	6	0	3	0	0	x
30	16	7	6	0	3	0	0	x
31	16		6		3	0		x

## Appendix B: McCoy Flat Reservoir Outflow

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-
19	-	14.00	-	-	-	-	-	-
20	-	13.50	-	-	-	-	-	-
21	-	12.57	-	-	-	-	-	-
22	-	9.94	-	-	-	-	-	-
23	-	dry	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-
31	-		-			-		-

Note: 'Dry' indicates the complete utilization of McCoy Flat Reservoir.

## Appendix C: Hog Flat Reservoir Outflow

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	-	-	6.20	-	-	-	-	-
2	-	-	3.30	-	-	-	-	-
3	-	-	2.00	-	-	-	-	-
4	-	-	dry	-	-	-	-	-
5	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-
19	-	11.20	-	-	-	-	-	-
20	-	10.50	-	-	-	-	-	-
21	-	10.50	-	-	-	-	-	-
22	-	9.84	-	-	-	-	-	-
23	-	9.51	-	-	-	-	-	-
24	-	9.00	-	-	-	-	-	-
25	-	8.55	-	-	-	-	-	-
26	-	8.55	-	-	-	-	-	-
27	-	8.36	-	-	-	-	-	-
28	-	8.25	-	-	-	-	-	-
29	-	7.70	-	-	-	-	-	-
30	-	7.34	-	-	-	-	-	-
31	-		-		-	-		-

Note: 'Dry' indicates the complete utilization of Hog Flat Reservoir.

## Appendix D: Susan River Watermaster Spot Checks

Note: The water systems are flashy and dam/diversion adjustments are frequent; as such, these values are of a measure at one moment in time upon Watermaster field visit.

### DIVERSION #11

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	4.85	8.92	6.18	-	2.00	-	-	2.50
2	-	-	-	2.36	-	1.50	2.50	-
3	5.06	-	-	2.36	-	-	-	-
4	5.06	-	7.79	-	-	-	-	-
5	4.43	9.65	7.79	-	1.00	1.75	2.50	-
6	-	-	6.00	-	-	-	-	2.50
7	-	9.12	5.72	2.36	-	-	-	-
8	5.72	-	-	-	-	-	2.25	-
9	5.5	9.12	5.72	-	1.00	1.75	-	-
10	-	-	5.28	2.50	-	-	-	-
11	-	7.60	5.28	-	-	-	-	2.50
12	-	-	5.06	-	-	2.00	2.50	-
13	-	-	5.06	-	1.00	-	-	-
14	-	7.60	5.06	-	-	-	-	2.75
15	5.95	-	-	-	-	-	2.50	-
16	5.95	-	-	2.50	1.00	-	-	-
17	-	-	-	-	-	2.00	-	2.75
18	-	-	4.85	-	1.00	-	2.50	-
19	6.41	6.88	4.22	-	-	-	-	-
20	-	5.72	-	-	1.00	-	-	2.75
21	-	5.72	4.22	-	-	2.50	-	-
22	6.64	7.85	-	2.50	-	-	-	-
23	-	7.60	4.02	-	-	-	2.50	-
24	-	-	4.02	-	-	-	-	-
25	6.88	7.60	4.02	-	1.00	2.50	-	-
26	-	-	3.63	2.00	-	-	2.50	-
27	-	-	-	-	1.00	-	-	-
28	-	7.60	3.63	-	-	-	-	-
29	7.6	-	-	2.00	-	-	2.50	-
30	-	6.18	-	-	1.00	-	-	-
31	-	-	-	-	-	-	-	-



## DIVERSION #13

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	0.94	1.96	1.31	-	0.26	-	-	0.57
2	-	-	-	0.26	-	0.26	0.57	-
3	0.94	-	-	0.26	-	-	-	-
4	0.94	-	1.38	-	-	-	-	-
5	0.72	2.23	1.38	-	0.00	0.57	0.57	-
6	-	-	1.24	-	-	-	-	0.57
7	-	2.08	1.12	0.26	-	-	-	-
8	1.12	-	-	-	-	-	0.57	-
9	1.06	-	1.12	-	0.00	0.57	-	-
10	-	-	1.00	0.26	-	-	-	-
11	-	-	1.00	-	-	-	-	0.57
12	-	-	0.94	-	-	0.57	0.57	-
13	-	-	0.94	-	0.00	-	-	-
14	-	1.65	0.94	-	-	-	-	0.57
15	1.19	-	-	-	-	-	0.57	-
16	1.19	-	-	0.26	0.00	-	-	-
17	-	-	-	-	-	0.57	-	0.57
18	-	-	0.89	-	0.00	-	0.57	-
19	1.31	1.44	0.67	-	-	-	-	-
20	-	1.12	-	-	0.00	-	-	0.57
21	-	1.12	0.71	-	-	-	-	-
22	1.38	1.72	-	0.26	-	0.57	-	-
23	-	1.65	0.72	-	-	-	0.57	-
24	-	-	0.72	-	-	-	-	-
25	1.44	1.65	0.26	-	0.00	0.57	-	-
26	-	-	0.57	0.26	-	-	0.57	-
27	-	-	-	-	0.00	-	-	-
28	-	1.65	0.26	-	-	-	-	-
29	1.65	-	-	0.26	-	-	0.57	-
30	-	1.31	-	-	0.26	-	-	-
31	-		-		-	-		-

## DIVERSION # 41

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	-	11.10	18.50	2.75	-	2.00	2.00	-
2	-	11.10	14.00	2.50	1.50	-	-	2.00
3	3.20	11.10	13.00	2.50	-	-	-	-
4	5.00	13.50	9.13	2.50	-	-	-	-
5	6.50	13.50	8.64	2.50	-	-	-	-
6	6.50	13.50	7.00	2.50	-	-	2.00	-
7	6.50	11.10	6.00	2.50	1.50	-	-	2.25
8	7.00	13.28	6.00	2.50	-	2.00	-	-
9	7.00	13.28	5.00	2.50	-	-	-	-
10	7.00	11.00	5.00	2.50	-	-	-	-
11	7.00	10.00	5.00	2.50	-	2.00	2.00	-
12	7.00	10.00	4.61	2.50	-	-	-	2.25
13	7.00	10.00	4.61	2.50	1.50	2.00	-	-
14	7.00	8.46	4.40	2.25	-	2.00	2.00	-
15	6.45	10.50	4.00	2.25	-	-	-	-
16	6.45	6.40	4.00	2.25	-	-	-	-
17	8.00	6.50	3.50	2.25	-	-	-	2.50
18	9.00	6.50	3.50	2.60	1.50	-	-	-
19	11.07	10.38	3.25	2.60	-	-	2.00	-
20	8.00	26.53	3.25	2.60	-	-	-	-
21	8.00	42.05	3.83	2.60	-	2.00	-	2.50
22	6.50	34.00	3.83	2.50	-	-	-	-
23	7.00	20.05	3.30	2.50	-	-	-	-
24	7.00	18.00	3.30	2.50	1.50	-	-	-
25	7.00	16.80	3.15	2.00	-	2.00	-	-
26	7.00	17.70	3.15	2.00	-	-	2.00	-
27	12.00	16.00	3.15	2.00	-	-	-	-
28	13.50	15.02	3.15	2.00	-	-	-	-
29	10.76	16.00	3.15	2.00	-	2.00	-	-
30	12.00	16.00	3.15	2.00	-	-	-	-
31	11.10		3.15		-	-		-

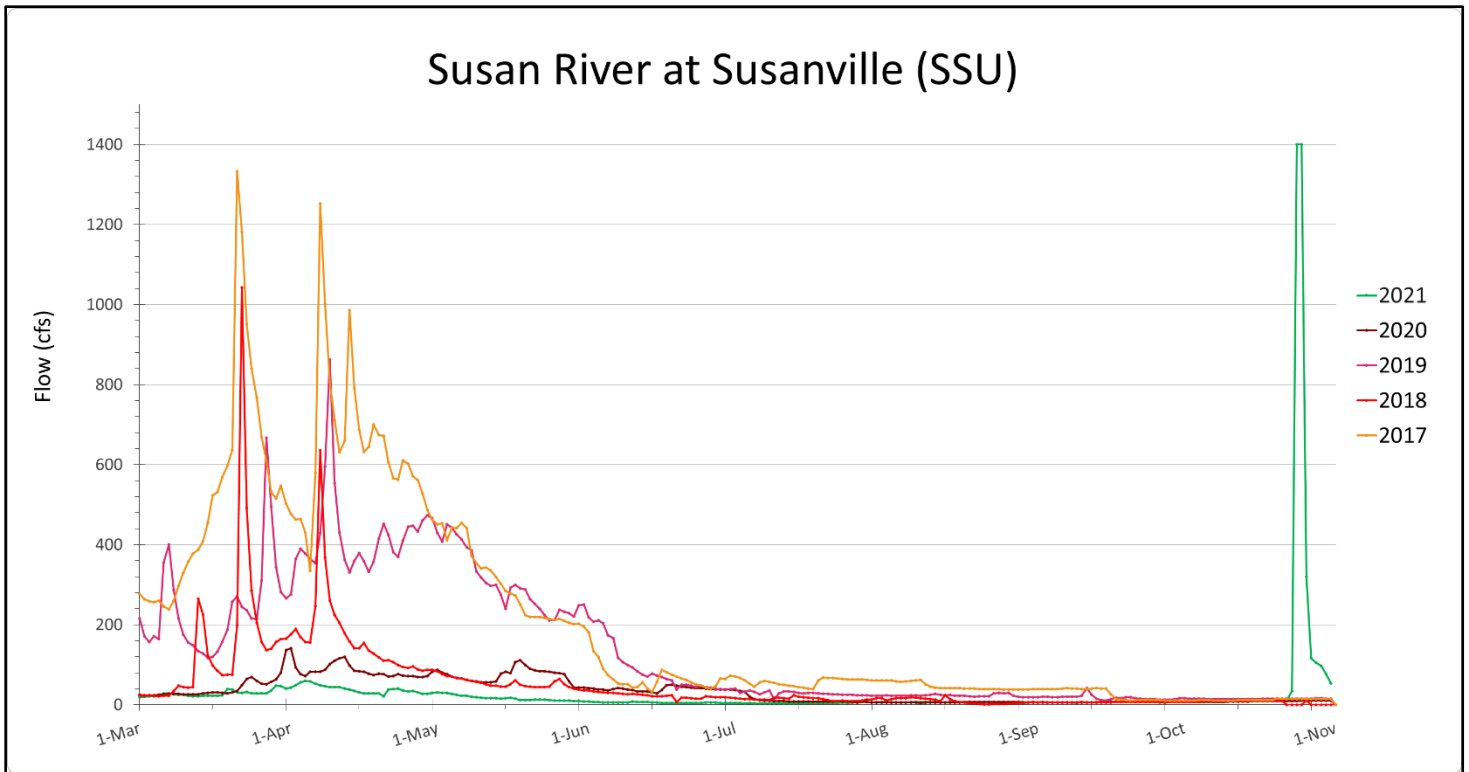
## MAHLE SPLIT- DILL SLOUGH

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	1.67	-	-	-	0.00	0.00	0.00	0.00
2	-	4.00	-	-	0.00	0.00	0.00	0.00
3	-	-	1.50	1.50	0.00	0.00	0.00	0.00
4	-	-	3.00	-	0.00	0.00	0.00	0.00
5	-	5.00	3.00	-	0.00	0.00	0.00	1.00
6	2.50	-	-	-	0.00	0.00	0.00	-
7	-	5.50	-	-	0.00	0.00	0.00	-
8	-	-	-	-	0.00	0.00	0.00	-
9	2.00	-	-	1.50	0.00	0.00	0.00	1.00
10	-	-	-	-	0.00	0.00	0.00	-
11	-	5.00	2.67	-	0.00	0.00	0.00	-
12	-	-	-	-	0.00	0.00	0.00	1.00
13	2.00	-	-	-	0.00	0.00	0.00	-
14	-	5.00	-	-	0.00	0.00	0.00	-
15	-	-	-	-	0.00	0.00	0.00	1.00
16	-	-	-	-	0.00	0.00	0.00	-
17	-	-	-	-	0.00	0.00	0.00	-
18	-	-	-	-	0.00	0.00	0.00	1.50
19	2.25	3.00	-	1.50	0.00	0.00	0.00	-
20	-	-	1.50	-	0.00	0.00	0.00	-
21	3.00	-	-	-	0.00	0.00	0.00	1.50
22	-	-	-	-	0.00	0.00	0.00	-
23	5.00	2.60	-	-	0.00	0.00	0.00	-
24	5.50	-	-	-	0.00	0.00	0.00	-
25	-	-	-	-	0.00	0.00	0.00	-
26	5.50	-	-	0.00	0.00	0.00	0.00	-
27	-	2.20	1.50	-	0.00	0.00	0.00	-
28	-	-	-	-	0.00	0.00	0.00	-
29	4.30	-	-	-	0.00	0.00	0.00	-
30	-	-	-	-	0.00	0.00	0.00	-
31	-	-	-	-	0.00	0.00	-	-

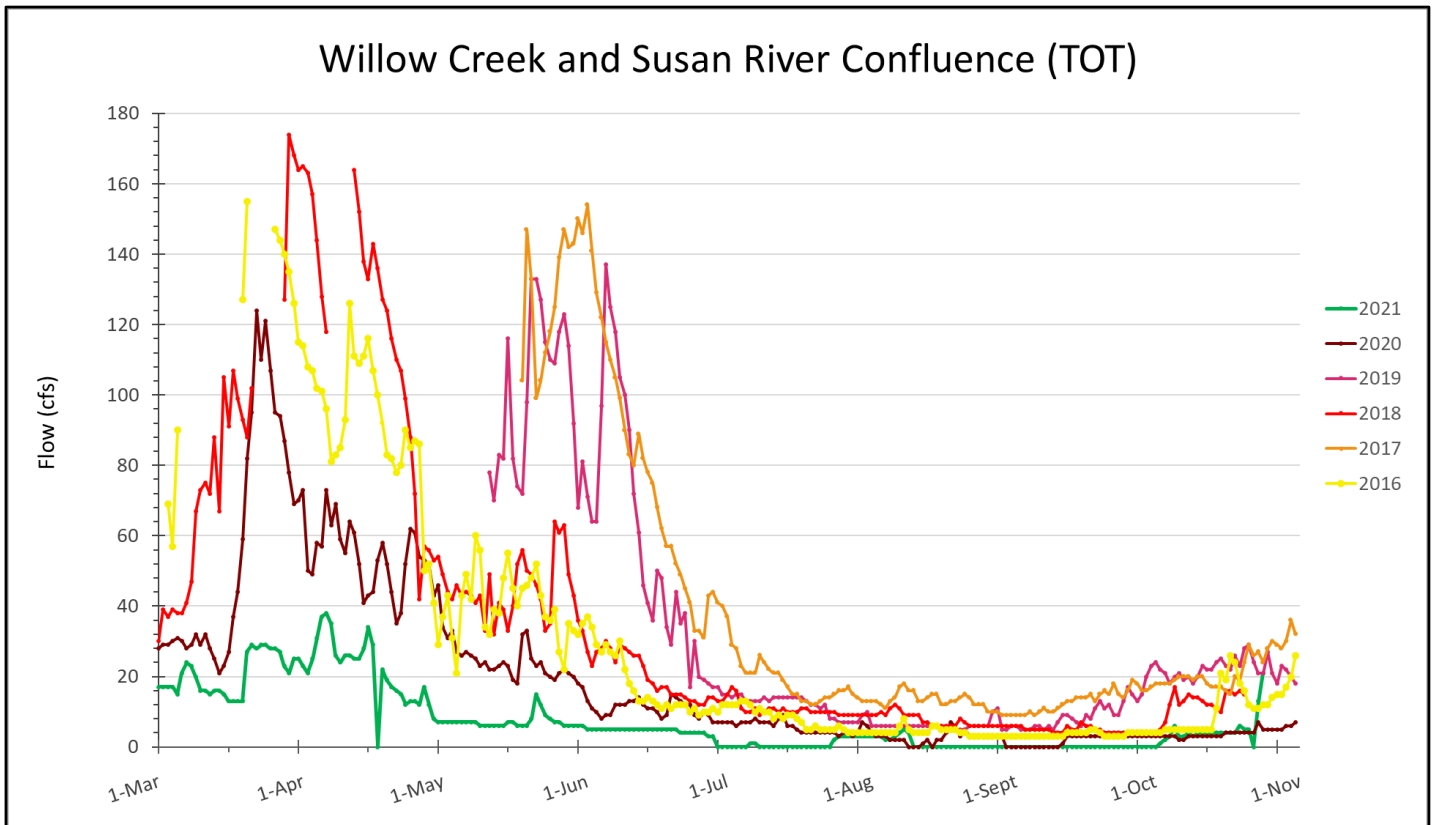
DIVERSION # 75

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
1	-	4.00	-	-	-	-	-	-
2	-	3.62	-	-	-	-	-	-
3	-	-	3.26	-	-	-	-	-
4	-	-	2.73	-	-	-	-	-
5	-	6.56	2.40	-	-	-	-	-
6	-	-	-	-	-	-	-	-
7	-	5.44	-	-	-	-	-	-
8	8.25	-	-	-	-	-	-	-
9	-	4.40	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
11	-	-	1.86	-	-	-	-	-
12	-	4.44	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
14	-	4.44	1.50	-	-	-	-	-
15	7.50	-	-	-	-	-	-	-
16	6.10	-	-	-	-	-	-	-
17	-	-	stock	-	-	-	-	-
18	-	-	-	-	-	-	-	-
19	4.50	1.65	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
21	5.00	1.24	-	-	-	-	-	-
22	6.25	2.23	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-
24	-	5.66	-	-	-	-	-	-
25	-	3.80	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-
27	-	4.00	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-
29	4.60	-	-	-	-	-	-	-
30	5.12	-	-	-	-	-	-	-
31	-		-		-	-		-

## Appendix E: Susan River Flow Graphs



**Note:** Data sourced from Department of Water Resources digital flow gauges, California Data Exchange Center (CDEC). Average daily flows are plotted and connected by lines. Daily values were averaged from the gauge’s ‘Real Time’ 15-minute interval data. The amount of water being released from Hog and McCoy Flat Reservoirs, subtract the standard 10%-cfs of that total value to account for confluence loss, was subtracted from the CDEC daily average gauge reading. This is so that the plotted points show, solely, the natural flow of the Susan River.



**Note:** Data sourced from Department of Water Resources digital flow gauges, California Data Exchange Center, Average Daily Flows for stations ‘Susan River at Standish (SSD)’ and ‘Willow Creek at Standish (WCD)’. This station is located at Colony Dam with an overall measure labelled ‘Total (TOT)’. Average daily flows are plotted and connected by lines. Any gaps in the data are attributed to digital gauge malfunction, thus leaving no reliable data. Digital gauge malfunctions at this location commonly occur when the flows overtop the gauge sensor.