

HONEY LAKE VALLEY
RESOURCE CONSERVATION DISTRICT

PUBLIC NOTICE

SPECIAL Meeting of the

WATER MASTER ADVISORY COMMITTEE (WAC)

AGENDA

Date: Thursday, October 12, 2017

Location: USDA Service Center, 170 Russell Avenue, Suite C, Susanville

Time: **5:30 PM**

NOTE: THE HONEY LAKE VALLEY RESOURCE CONSERVATION DISTRICT WAC MAY ADVISE ACTION ON ANY OF THE AGENDA ITEMS SHOWN BELOW.

NOTE: IF YOU NEED A DISABILITY-RELATED MODIFICATION OR ACCOMODATION, INCLUDING AUXILIARY AIDS OR SERVICES, TO PARTICIPATE IN THIS MEETING, PLEASE CONTACT THE DISTRICT OFFICE AT THE TELEPHONE NUMBER AND ADDRESS LISTED BELOW PRIOR TO THE MEETING.

I. **CALL TO ORDER, PLEDGE OF ALLEGIANCE, ROLL CALL**

II. **APPROVAL OF AGENDA**

III. **PUBLIC COMMENT**

Per RCD Board Policy No. 5030.4.1, during this portion of the meeting any member of the public is permitted to make a brief statement, express his/her viewpoint, or ask a question regarding matters related to the District. **Five (5) minutes** may be allotted to each speaker and a maximum of twenty (20) minutes to each subject matter.

IV. **ITEMS FOR BOARD ACTION**

V. **ITEMS FOR BOARD DISCUSSION AND/OR ACTION**

A. First reading of the DRAFT 2016/2017 Susan River Watermaster Service Area (SRWSA) Annual Use Report (attachment) - Otto

VI. **REPORTS**

A. Watermaster Report – Otto

B. RCD Report – Langston

VII. COMMITTEE MEMBERS' COMMENTS

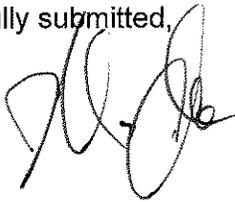
In accordance with Government Code Section 54954.2(a), committee members may make brief announcements or brief reports on their own activities. They may ask questions for clarification, make referral to staff or take action to have staff place a matter of business on a future agenda.

VIII. ADJOURNMENT

The next regularly scheduled Honey Lake Valley RCD WAC meeting will be **Thursday, November 09, 2017 at 5:30 pm** at the **USDA Service Center, 170 Russell Avenue, Suite C, Susanville.**

I certify that on **October 10, 2017** I personally posted agendas as required by Government Code Section 54956 and any other applicable law.

Respectfully submitted,

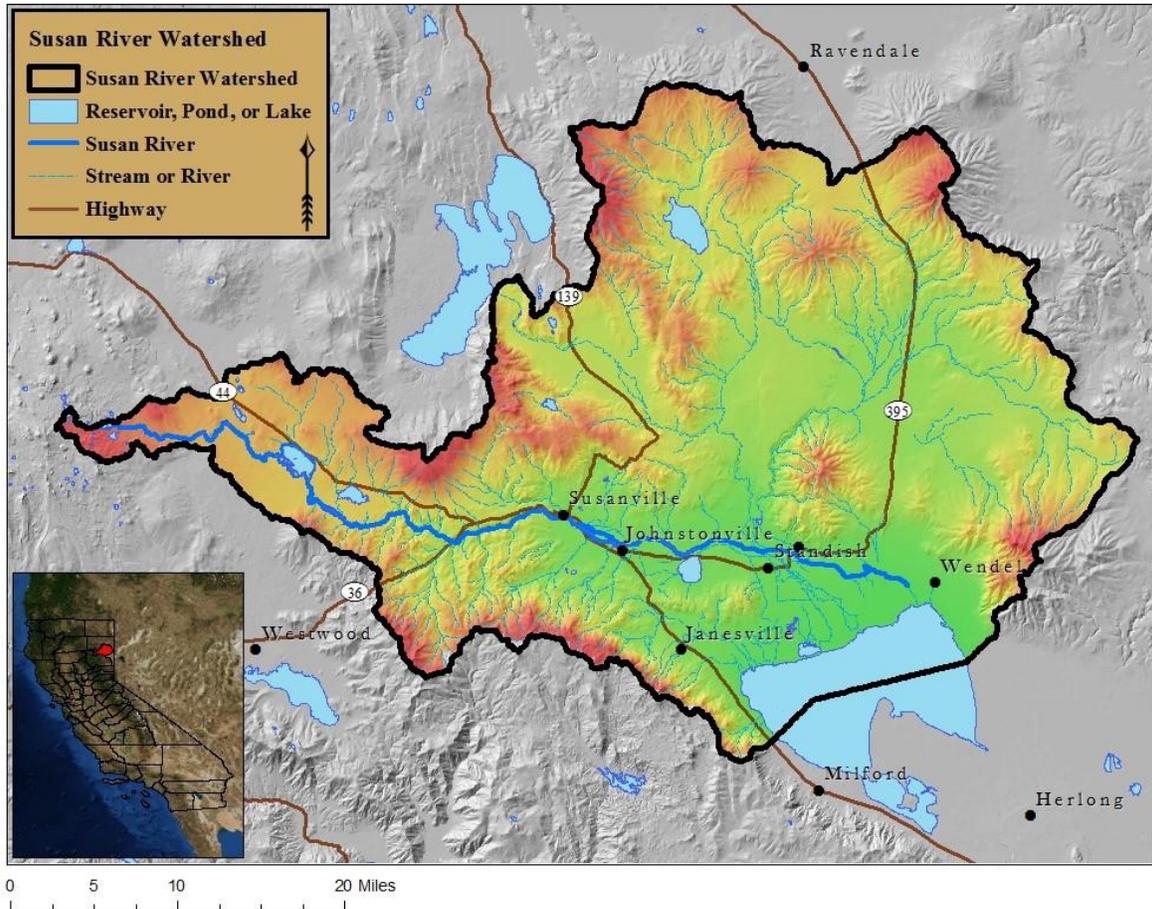
A handwritten signature in black ink, appearing to read 'Mitch Otto', written over a faint circular stamp or watermark.

Mitch Otto
Watermaster

Honey Lake Valley Resource Conservation District

Susan River Watermaster Service Area

Annual Report for 2016/17



Decree No.'s 4573, 8174 and 8175

Submitted on January 1, 2018 to

The Presiding Judge, Lassen County Superior Court

Contents

General Description:	3
Water Supply:	4
Methods of Distribution:.....	4
Watermaster Activities and Fiscal Information:	5
2016/17 Water Allocation and Distribution:.....	5
Miscellaneous notable events:	7
Appendices A-E.....	8
Appendix A: Susan River at Susanville	9
Appendix B: Susan River at the Confluence of Willow Creek	10
Appendix C: Willow Creek at the Confluence of the Susan River	11
Appendix D: McCoy Flat Reservoir Outflows	12
Appendix E: Hog Flat Reservoir Outflows	13

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 is comprised 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. It has its source 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 Activities and Fiscal Information:

The FYE 16/17 Watermaster budget in the amount of \$200,000 was adopted on 5/25/2016. Notification regarding the budget, apportionment and assessment were mailed to the users on 6/10/2016. There were no objections to the apportionment. The budget, apportionment, and assessments were approved and certified to the Lassen County Auditor and the Lassen County Supervisors prior to August 10, 2016.

An audit for FYE 2016 has been completed and is available on the Honey Lake Valley RCD website. The water master ending fund balance (reserve balance) at the end of the period (6-30-17) was \$101,547.40.

2016/17 Water Allocation and Distribution:

The Susan River Watermaster Service Area experienced an extreme amount of precipitation and snow-melt runoff through the winter and early spring of 2017. Near record flows were reached prior to and during the 2017 irrigation season. The general availability of water for the various stream systems is described below.

Parker Creek: First priority water rights were served through the summer.

Baxter/Elysian Creek: Priority users of both Baxter Creek and Elysian Creek could divert their full allotment until late June at which time the available water continued to drop off through the month of September.

Paiute Creek: The water supply in Paiute Creek continued through the season.

Lassen Creek: There was sufficient water in Lassen Creek to meet the allocated water use until early July, at which time it began to taper off.

Hills Creek: The water supply in Hills Creek has continued into September.

Gold Run Creek: The water supply in Gold Run Creek met or exceeded the allocated water use through the month of June at which time it began to diminish, stock was available throughout the course of the Season.

Susan River: Full allocations were available through early June and diminished throughout the course of the season.

Lower Susan River Below the Confluence of Willow Creek: Full allocations were available through the month of June and diminished during the course of the season. Stock water was available throughout the season.

Willow Creek: Full allocations were available through the month of June and diminished substantially during the season. There were some difficulties in providing stock water to some of the users on Willow Creek in the months of July and August due to an abundance of vegetation and silt deposits from winter storm runoff and snow melt.

Bankhead/Sloss Creek: Irrigation water was available until June.

LIC Storage Reservoirs: The storage reservoirs in the Lassen Irrigation Company (LIC) system provided approximately 19,191 acre-feet. Leavitt Lake reached full capacity early in the year,

with a capacity of approximately 12,100 acre-feet. McCoy Flat and Hog Flat Reservoirs reached full capacity by the start of irrigation season. LIC board members chose to keep most of the water in Hog Flat Reservoir this year to be prepared for next irrigation season and plan to shut off water from McCoy on September 15.

Miscellaneous notable events:

1. Of the 375 total diversions (259-Susan River, 93-Baxter, 23-Parker), several were damaged in the high-water events. Several dams and diversions will need repair during the 2017-18 fall and winter months.
2. There were 0 complaints filed with the Watermaster during the 2017 water season.

Appendices A-E

Appendix A: Susan River at Susanville

SUSAN RIVER at SUSANVILLE (SSU)

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	251	468	449	181	73	62	41
2	240	456	445	132	70	62	40
3	251	456	394	123	63	60	40
4	249	438	427	91	56	59	40
5	251	319	431	75	47	59	40
6	240	582	438	65	59	60	40
7	234	1170	438	56	62	62	43
8	227	971	367	53	60	63	
9	261	834	353	49	57	47	
10	304	704	334	44	54	46	
11	334	628	336	43	51	45	
12	365	597	336	56	49	43	
13	373	974	319	43	47	43	
14	394	775	304	34	46	43	
15	422	696	287	31	44	43	
16	500	615	272	90	42	42	
17	515	647	272	84	39	41	
18	544	701	251	79	67	41	
19	579	721	N/A	73	69	41	
20	602	682	N/A	70	68	41	
21	1388	607	N/A	65	68	41	
22	1163	566	N/A	59	67	41	
23	933	564	N/A	53	66	41	
24	831	615	N/A	50	65	40	
25	744	600	N/A	45	65	40	
26	660	569	N/A	42	64	40	
27	610	564	N/A	44	64	39	
28	524	529	N/A	70	64	39	
29	527	491	N/A	68	63	39	
30	577	463	201	77	62	39	
31	512		198		62	40	

Appendix B: Susan River at the Confluence of Willow Creek

SUSAN RIVER at the CONFLUENCE of WILLOW CREEK

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	N/A	N/A	N/A	95	30	5	3
2	N/A	N/A	N/A	91	17	5	4
3	N/A	N/A	N/A	88	17	5	4
4	N/A	N/A	N/A	87	12	4	4
5	N/A	N/A	N/A	85	10	5	4
6	N/A	N/A	N/A	82	11	5	4
7	N/A	N/A	N/A	80	11	7	4
8	N/A	N/A	N/A	80	15	8	
9	N/A	N/A	N/A	73	13	7	
10	N/A	N/A	N/A	71	12	6	
11	N/A	N/A	N/A	62	11	6	
12	N/A	N/A	N/A	73	12	7	
13	N/A	N/A	N/A	67	10	9	
14	N/A	N/A	N/A	62	8	9	
15	N/A	N/A	N/A	60	7	10	
16	N/A	N/A	N/A	53	6	6	
17	N/A	N/A	N/A	48	5	6	
18	N/A	N/A	N/A	43	5	6	
19	N/A	N/A	95	42	4	7	
20	N/A	N/A	90	38	4	9	
21	N/A	N/A	74	36	5	10	
22	N/A	N/A	76	32	7	9	
23	N/A	N/A	80	30	7	6	
24	N/A	N/A	84	19	8	6	
25	N/A	N/A	86	19	8	6	
26	N/A	N/A	88	19	8	4	
27	N/A	N/A	93	32	8	4	
28	N/A	N/A	92	31	7	4	
29	N/A	N/A	91	29	6	4	
30	N/A	N/A	94	25	5	3	
31	N/A		96		5	3	

Appendix C: Willow Creek at the Confluence of the Susan River

WILLOW CREEK at the CONFLUENCE of the SUSAN RIVER

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	N/A	N/A	N/A	62	13	8	6
2	N/A	N/A	N/A	51	12	8	6
3	N/A	N/A	N/A	42	11	8	6
4	N/A	N/A	N/A	37	11	8	6
5	N/A	N/A	N/A	32	10	8	6
6	N/A	N/A	N/A	29	11	9	6
7	N/A	N/A	N/A	25	10	10	7
8	N/A	N/A	N/A	23	11	10	
9	N/A	N/A	N/A	19	11	10	
10	N/A	N/A	N/A	18	11	10	
11	N/A	N/A	N/A	16	10	6	
12	N/A	N/A	N/A	18	10	6	
13	N/A	N/A	N/A	16	10	6	
14	N/A	N/A	N/A	16	9	6	
15	N/A	N/A	N/A	15	9	7	
16	N/A	N/A	N/A	14	9	6	
17	N/A	N/A	N/A	14	8	6	
18	N/A	N/A	89	14	8	6	
19	N/A	N/A	77	13	8	6	
20	N/A	N/A	58	14	8	6	
21	N/A	N/A	32	13	8	7	
22	N/A	N/A	29	12	8	7	
23	N/A	N/A	33	12	8	6	
24	N/A	N/A	37	12	8	6	
25	N/A	N/A	39	13	8	6	
26	N/A	N/A	43	12	9	6	
27	N/A	N/A	58	13	9	6	
28	N/A	N/A	52	13	9	6	
29	N/A	N/A	52	13	8	6	
30	N/A	N/A	62	12	8	6	
31	N/A		74		8	6	

Appendix D: McCoy Flat Reservoir Outflows

MCCOY FLAT RESERVOIR OUTFLOWS

DAY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	N/A	N/A	N/A	N/A	N/A	28	25
2	N/A	N/A	N/A	N/A	N/A	28	25
3	N/A	N/A	N/A	N/A	N/A	28	25
4	N/A	N/A	N/A	N/A	N/A	28	25
5	N/A	N/A	N/A	N/A	N/A	28	24
6	N/A	N/A	N/A	N/A	N/A	28	24
7	N/A	N/A	N/A	N/A	N/A	28	24
8	N/A	N/A	N/A	N/A	N/A	28	24
9	N/A	N/A	N/A	N/A	N/A	28	24
10	N/A	N/A	N/A	N/A	N/A	28	24
11	N/A	N/A	N/A	N/A	N/A	28	24
12	N/A	N/A	N/A	N/A	N/A	28	21
13	N/A	N/A	N/A	N/A	N/A	28	21
14	N/A	N/A	N/A	N/A	34	28	21
15	N/A	N/A	N/A	N/A	34	27	21
16	N/A	N/A	N/A	N/A	34	27	N/A
17	N/A	N/A	N/A	N/A	34	27	N/A
18	N/A	N/A	N/A	N/A	34	27	N/A
19	N/A	N/A	N/A	N/A	34	27	N/A
20	N/A	N/A	N/A	N/A	34	27	N/A
21	N/A	N/A	N/A	N/A	34	27	N/A
22	N/A	N/A	N/A	N/A	34	27	N/A
23	N/A	N/A	N/A	N/A	34	27	N/A
24	N/A	N/A	N/A	N/A	30	27	N/A
25	N/A	N/A	N/A	N/A	30	27	N/A
26	N/A	N/A	N/A	N/A	30	27	N/A
27	N/A	N/A	N/A	N/A	30	27	N/A
28	N/A	N/A	N/A	N/A	30	27	N/A
29	N/A	N/A	N/A	N/A	30	27	N/A
30	N/A	N/A	N/A	N/A	30	27	N/A
31	N/A	N/A	N/A	N/A	30	27	

Appendix E: Hog Flat Reservoir Outflows

HOG FLAT RESERVOIR OUTFLOWS

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