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WATER DISTRIBUTION REPORT FOR 1959 1/

BRUSH CREEK - UINTAH COUNTY

By request of the Brush Creek Water Users', a meeting was held May 26, 1959 at Vernal, Utah, with representatives of most of the water users of Brush Creek to discuss and develop a distribution program for 1959.

The Decree of 1896 was analyzed as to the pertinence of the June 15 date in relation to starting the division of Brush Creek and to what possible limitation this could imply. After analysis of the Decree it was estimated that the middle users on Brush Creek were entitled to 13% of the water for use on 325 acres. By proportion this would indicate a total of 2500 acres.

It was agreed that the distribution for 1959 would be without prejudice and would not establish a precedent. It was further agreed that all regulation for 1959 would be carried out on the following basis:

1. 40 cfs for Brush Creek below the confluence of the forks would be considered the maximum flow needed to satisfy the rights as indicated in the 1896 Decree:

- (a) 13% to the upper users
- (b) 50 % to the Burns Bench Canal
- (c) 22% to Burton Ditch
- (d) 15% to Murray Ditch

2. Sunshine Ranches would then receive any additional natural flow up to 15.63 cfs. They would also receive what ever water could be salvaged from the sinks in Little Brush Creek minus reasonable conveyance charges.

3. The small users along the creek would receive water in proportion to their rights.

1/ Prepared by Donald C. Norseth, Distribution Engineer, State Engineer's Office.

4. Ashley Reservoir Co. would release any flow and drainage pickup when necessary to satisfy all direct flow rights below Oak Park Reservoir.

5. Any water in addition to the 55.63 cfs necessary to satisfy the decreed rights and the Sunshine Ranches would be divided  $3/4$  to decreed rights and  $1/4$  to other rights on the stream.

6. Any releases from the East Park Reservoir would belong to Sunshine Ranches with proper conveyance charges.

During the progress of the meeting the court requested Wayne D. Criddle the State Engineer and Mr. Donald C. Norseth, Distribution Engineer to attend the session. He then appointed Mr. Donald C. Norseth as water commissioner on Brush Creek for the balance of 1959 and until June, 1960, or until the stream is adjudicated or a successor appointed.

Archie Allen, President of Ashley Reservoir Company was ordered by the State Engineer to make proper releases from Oak Park Reservoir.

Joseph Murray and Raymond Stewart were then requested to set the gates of the Sunshine Canal and the lower rights on a cooperative basis in accordance with the above schedule until such time as the commissioner could go over the system.

Brush Creek watershed lies in the Uintah Mountains in the North eastern corner of Utah. There is approximately 255 square miles contributory drainage. However, only an estimated 150 square miles contributes to the water available to the users.

Brush Creek trends in a south easterly direction down the steep slopes of the Uintah Mountains. The headwaters are at elevations of up to 11,000 feet while its confluence with the Green River is at less than 5,000 feet elevation. Brush Creek is a scouring stream subject to sudden flooding and some difficulty is experienced in maintaining measuring and control works. Flash floods are prevalent in the area. They fill in

Distribution was not started until late in May and was initiated under 1959 and should be continued in 1960. and in many cases lacking. Improvement of this condition was started in Division works on the Brushcreek were found to be in need of repairs

YEAR	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL - 6 MO. PER.
1949	12160	9390	2330	1960	1170	27,010
1950	10110	11090	2370	1560	1200	26,330
1951	6070	3530	1550	1100	825	13,075
1952	14120	9400	1990	1650	1050	25,210
1953	3860	5570	1660	1260	825	13,175
1954	5060	1520	1220	895	679	9,576
1955	3610	2427	1320	980	714	9,081
1956	6010	2100	1080	912	710	10,612
1957	4520	12700	2920	1760	1160	23,060
1958	9900	1680	1130	1000	748	18,058
AVERAGE	7542	6270	1787	1307	921	17,538
1959	4700	3360	1150	964	803	10,977

MEASURED AT JACKSON BRIDGE (by gauge) (MAY TO SEPT. 30)

WATER SUPPLY OF BRUSH CREEK  
 1949 - 1959  
 MEASURED AT JACKSON BRIDGE (by gauge)

The water supply forecasts of April 1, 1959 of the Soil Conservation Service and weather Bureau were for 60 to 75% of normal in 1959. Precipitation over the area was below normal with the exception of April. Comparison of the water supply of 1959, as measured at the Jackson Bridge with the water supply of the last 10 years period shows May 62% June 54%, July 64%, August 74%, and September 64% of the ten year average. During the low water periods, the upperworks on Brush Creek and the diversion adjustments. Example are the floods of June 20, August 19, 1959. ditches with silt, wash out control works and create considerable work in

ditches with silt, wash out control works and create considerable work in diversion adjustments. Example are the floods of June 20, August 19, 1959.

During the low water periods, the upperusers on Brush Creek and the users on Little Brush Creek use a rotation system of distribution.

The water supply forecasts of April 1, 1959 of the Soil Conservation Service and Weather Bureau were for 60 to 75% of normal in 1959.

Precipitation over the area was below normal with the exception of April.

Comparison of the water supply of 1959, as measured at the Jackson Bridge with the water supply of the last 10 years period shows; May 62% June 54%, July 64%, August 74%, and September 86% of the ten year average.

WATER SUPPLY OF BRUSH CREEK  
1949 - 1959  
MEASURED AT JACKSON BRIDGE (by Tysock Gage)

<u>YEAR</u>	<u>MAY</u> <u>ac. ft.</u>	<u>JUNE</u> <u>ac. ft.</u>	<u>JULY</u> <u>ac. ft.</u>	<u>AUG.</u> <u>ac. ft.</u>	<u>SEPT.</u> <u>ac. ft.</u>	<u>MAY TO SEPT. 30</u> <u>TOTAL - ac. ft.</u>
1949	12160	9390	2330	1960	1170	27,010
1950	10110	11090	2370	1560	1200	26,330
1951	6070	3530	1550	1100	825	13,075
1952	14120	9400	1990	1650	1050	28,210
1953	3860	5570	1660	1260	825	13,175
1954	5060	1520	1220	895	879	9,574
1955	3610	2427	1320	960	744	9,061
1956	6010	2100	1080	912	710	10,812
1957	4520	12700	2920	1760	1160	23,060
1958	9900	4980	1430	1000	748	18,058
AVERAGE	7542	6270	1787	1307	931	17,838
1959	4700	3360	1150	964	803	10,977

Diversion works on the Brush Creek were found to be in need of repairs and in many cases lacking. Improvement of this condition was started in 1959 and should be continued in 1960.

Distribution was not started until late in May and was initiated under

a temporary schedule. Records obtained do not show true relationships in regards to complete diversions. Those submitted in this report unless otherwise designated are estimates of water use only and their validity is only as good as the cooperation of the water users allowed in taking their water in accordance with the schedules and the commissioners instructions.

Lack of adequate funds and the remoteness of the water commissioner from the Brush Creek area further contributes to incomplete records.

Fluctuation in the flow of Brush Creek indicates the need for daily checking of diversions and not less than weekly visits to the reservoirs. This requires a full-time commissioner during the irrigation season.

#### RECOMMENDATIONS

The problems experienced in 1959 distribution operations showed the need for a more inclusive and complete distribution in 1960. Following, are recommendations that should be followed in future water management on Brush Creek:

1. Water division should be made under the Priority of Rights Schedule prepared by the State Engineer's Office in 1959 and filed with the court. (a chart is attached to this report).
2. Distribution under the Decree of 1896 does not cover all rights and should be enlarged to provide distribution to all water users on Brush Creek and Little Brush Creek.
3. Ashley Valley Reservoir should install measuring and control works to facilitate bypass of water to early priorities.
4. Due to the remoteness of the area a full time commissioner during the irrigation season should be appointed from the Brush Creek Area.
5. Measuring and control works should be installed on Little Brush Creek Diversions.
6. Studies of transmission losses in Brush Creek and Little Brush Creek should be made in 1960 and succeeding years.



Daily discharge, in second-feet, of

for the year ending September 30, 1919

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	10	11	12	11	9.4	11	61	86	7	17	14
2	11	10	12	12	11	9.1	11	78	89	5	18	14
3	11	10	12	12	11	9.4	11	79	89	5	17	14
4	12	10	12	12	11	9.1	14	60	92	5	16	14
5	12	10	12	11	12	9.0	14	51	92	3	15	14
6	12	10	12	11	12	9.4	14	49	94	1	14	14
7	11	10	12	11	12	9.4	14	44	94	1	14	14
8	11	10	12	11	12	9.4	14	49	94	1	13	13
9	11	10	12	11	11	9.4	14	51	91	1	13	13
10	11	10	12	12	11	9.4	14	65	88	1	13	13
11	11	10	12	12	11	9.8	13	55	76	1	13	13
12	11	10	12	12	11	9.8	13	62	68	1	15	13
13	11	11	12	11	11	9.8	13	59	57	1	14	13
14	11	11	12	11	11	9.8	13	55	55	1	13	13
15	11	11	12	11	11	9.8	13	103	46	1	13	13
16	11	11	12	11	10	9.8	13	113	43	1	13	13
17	11	11	12	11	10	9.8	13	120	40	1	12	13
18	11	11	12	11	10	9.8	13	107	39	1	12	13
19	11	11	12	11	10	9.8	13	89	31	1	12	13
20	12	11	12	11	10	9.8	13	78	30	1	12	13
21	12	12	12	10	10	9.8	15	68	29	1	21	13
22	12	12	12	10	10	10	15	68	30	1	20	13
23	12	12	12	10	9.1	11	15	68	30	1	20	13
24	12	12	12	10	9.1	11	15	69	28	1	20	13
25	12	12	12	10	9.1	11	15	67	28	1	20	13
26	12	12	12	10	9.1	11	19	68	28	1	20	13
27	12	12	12	10	9.1	10	26	68	29	1	14	13
28	12	11	12	11	9.1	11	27	68	29	1	13	13
29	12	11	12	11	9.1	11	26	68	38	1	13	13
30	12	11	12	11	11	11	36	82	32	1	13	13
31	12	11	12	11	11	11	470	94	32	1	13	13
	348	326	375	340	292.5	307.8	470	2,369	1,692	580	486	405

MEAN	11.6	10.2	12.1	11.0	10.4	9.8	12.7	70.4	50.1	15.7	13.2	13.2
ACROSS-SECTION	690	647	744	674	570	541	932	4,700	3,350	1,150	401	803

MEAN DISCHARGE FOR YEAR 1919 21.9  
 MEAN DISCHARGE FOR YEAR 1918 15.860

# STATE OF UTAH OFFICE OF STATE ENGINEER

6.

Daily Gage Height in Feet and Discharge in Second Feet of..... LITTLE BRUSH CREEK

at Confluence with Brush Creek for Irrigation period 19 19

Month	MAY		JUNE		JULY		AUGUST							
	Gage Ht.	Discharge												
1								6.75						
2						7.75								
3														
4						8.0								
5														
6														
7														
8														
9														
10														
11								6.90						
12														
13														
14								7.03						
15														
16														
17				1.5										
18						3.08								
19				0.5										
20														
21				4.2		8.0								
22						8.0								
23														
24														
25														
26														
27														
28														
29		0.1				6.56								
30						6.56								
31														
Total														
Total Ac. Ft.														

TOTAL FOR \_\_\_\_\_ ACRE FEET

OAKS PARK RESERVOIRRECORD SHEET

DATE	RESERVOIR GAGE HEIGHT	INFLOW			RELEASES	
		WEST cfs	CENTER cfs	EAST cfs	BRUSH CREEK cfs	ASHLEY VALLEY CANAL cfs
MAY						
27					21.3	
29					23.3	
30					29.1	
JUNE 1		1.93	19.90	3.62	34.9	
10	32' 11"				40.0	
11		1.93	19.90	3.62	33.6	
12		1.37	18.20	2.99	27.2	
14	32' 10"	1.24	16.40	2.40	21.3	
15		1.24	13.80	2.40		
16		1.24	12.40	2.73		
18		.99	9.27	2.57	12.6	
20		.66	7.03	2.24		
21	32' 7"				11.3	30.5
22		.66	6.11	1.93		
23					8.11	25
25	32'	.66	5.02	1.79	8.11	
26					7.15	22
28	31' 9"				6.77	0
JULY 7					4.75	
22					3.34	31
AUGUST 14	24' 1"				1.50	

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

8.

Daily Gage Height in Feet and Discharge in Second Feet of Howard Kings Ditch  
 at Diversion for Irrigation Season 19 59

Month	MAY		JUNE		JULY		AUGUST							
	Gage Ht.	Discharge												
1		cfs		cfs		1.20		cfs						
2						1.20								
3						1.20								
4														
5														
6														
7						1.10								
8						1.10								
9						1.10								
10						1.10								
11				*2.15				1.19						
12														
13														
14						0.70								
15														
16				1.93		0.70								
17				1.93		0.70								
18				*1.93										
19														
20				1.70										
21														
22						0.70								
23						0.70								
24				1.20		0.70								
25				1.20										
26				1.20										
27														
28						0.70								
29														
30				1.20		0.70								
31						0.70								
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Howard Ainge, Richard DeJournet  
 at Diversion for Irrigation Season 19 59

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge cfs	Gage Ht.	Discharge cfs	Gage Ht.	Discharge cfs	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1														
2														
3														
4														
5														
6						1.10								
7						1.20								
8														
9														
10														
11				1.07										
12														
13						0.70								
14						0.70								
15				1.70										
16				1.70										
17														
18														
19														
20						0.70								
21						0.70								
22				1.20										
23				1.20										
24														
25														
26														
27						0.70								
28						0.70								
29				1.20										
30				1.20										
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR \_\_\_\_\_ ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

10.

Daily Gage Height in Feet and Discharge in Second Feet of Howard Ainge and Sam Sessions Ditch  
 at Diversion for Irrigation Season 1952

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge												
1		cfs		cfs		cfs								
2														
3														
4						1.20								
5						1.20								
6														
7														
8														
9														
10							1.10							
11														
12				4.75			1.10							
13														
14														
15														
16														
17														
18							0.70							
19							0.70							
20				*1.93										
21				1.70										
22														
23														
24														
25							0.70							
26							0.70							
27				1.20										
28				1.20										
29														
30														
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Leon Ainge & H. Evans Ditch  
 at Sunshine Canal for Irrigation Season 19 59

Month	MAY		JUNE		JULY		AUGUST							
	Gage Ht.	Discharge												
1		0fs		0fs		0fs		0fs						
2														
3														
4														
5						1.31								
6						1.31								
7						1.31								
8														
9														
10														
11				* 6.50		1.15		0.87						
12						1.15								
13						1.15								
14														
15														
16														
17														
18														
19						* 2.16								
20														
21				1.31		1.31								
22														
23				1.31		* 1.06								
24				1.31										
25														
26														
27				1.31										
28				1.31		* 1.06								
29														
30		* 1.31		1.31		* 1.06								
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR \_\_\_\_\_

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Burns Bench, Murray, Barton Canals  
 at Burns Bench Divisor for Irrigation Season 1959

Month	MAY		JUNE		JULY		AUGUST							
	Gage Ht.	Discharge cfs	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge						
1														
2			**48.50											
3			**48.20											
4			**51.20											
5			**55.30											
6			**52.20											
7			**52.40											
8			**53.70											
9			**50.60											
10			**45.30											
11			**39.50					19.19						
12			**29.50											
13			**26.70											
14			**19.80											
15			**14.90											
16			**15.80											
17			**13.40											
18			**11.70											
19			**27.50											
20			**28.30		**11.20									
21			**51.20											
22			**21.70											
23			**21.90		**17.20									
24			**23.30		**12.24									
25			**24.20											
26		**53.00	**22.40											
27														
28														
29		**53.00	**41.80											
30			**28.10											
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR \_\_\_\_\_ ACRE FEET

\*\* obtained from Lester Dudley

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Surt ditch  
 at Pump Ditch Diversion for \_\_\_\_\_ 19\_\_

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge	Gage Ht.	Discharge
1		<del>efe</del>		<del>efe</del>		2.20								
2														
3														
4														
5														
6														
7						1.90								
8						1.90								
9														
10														
11				2.50										
12														
13														
14						1.40								
15						1.40								
16														
17				3.00										
18				3.00										
19														
20														
21						1.40								
22						1.40								
23														
24				2.2										
25				2.2										
26														
27														
28														
29						1.40								
30						1.40								
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR \_\_\_\_\_

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

14.

Daily Gage Height in Feet and Discharge in Second Feet of Burt Hatch, N. Colton Ditch

at Diversion Point

for Irrigation Season

19 59

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge cfs.	Gage Ht.	Discharge cfs.	Gage Ht.	Discharge cfs.	Gage Ht.	Discharge						
1														
2														
3														
4														
5														
6														
7						1.90								
8														
9														
10														
11			3.00											
12														
13														
14						1.40								
15														
16			3.00											
17			3.00											
18			3.00											
19														
20						1.40								
21						1.40								
22			2.20											
23			2.20											
24														
25														
26														
27						1.40								
28						1.40								
29														
30			2.20			1.11								
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made TOTAL FOR \_\_\_\_\_ ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of MARVIN JACKSON RANCH  
 at JACKSON RANCH for Irrigation Period 19 59

Month	MAY		JUNE		JULY										
	Day	Gage Ht.	Discharge												
1															
2															
3															
4															
5						2.20									
6						2.20									
7															
8															
9															
10															
11				1.05											
12						1.9									
13						1.55									
14															
15				3.00											
16				3.00											
17															
18															
19						1.40									
20						1.40									
21															
22				2.20		1.00									
23				2.20											
24															
25															
26						1.40									
27						1.40									
28															
29				2.20											
30				2.20											
31															
Total															
Total Ac. Ft.															

\* Checked by commissioner, adjustments made

\*\* Out of turn TOTAL FOR ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Murray Ditch  
 at Sunshine Canal for Irrigation Season 19 59

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge cfs	Gage Ht.	Discharge cfs	Gage Ht.	Discharge cfs	Gage Ht.	Discharge						
1														
2														
3														
4						1.31								
5														
6														
7														
8														
9														
10														
11						1.15								
12														
13														
14														
15														
16														
17														
18						*0.70								
19														
20				1.31										
21														
22						*0.50								
23														
24														
25						0.70								
26														
27				1.31										
28														
29		*1.40												
30														
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR \_\_\_\_\_ ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

Daily Gage Height in Feet and Discharge in Second Feet of Sulphur Ranch  
 at Upper and Lower Ditches for Irrigation Season 19 99

Month	MAY		JUNE		JULY									
Day	Gage Ht.	Discharge												
1		cfs		cfs		cfs								
2						2.20								
3						2.20								
4						2.20								
5						*3.08								
6						2.20								
7														
8						1.90								
9														
10						1.90								
11						1.90								
12						1.90								
13				7.68		1.90								
14														
15						1.40								
16						1.40								
17														
18				3.00		1.40								
19				*3.08		1.40								
20				3.00		1.40								
21				3.00										
22				3.00		1.40								
23						1.40								
24						1.40								
25														
26				2.20		1.40								
27				2.20										
28				2.20										
29														
30				2.20		1.40								
31						1.40								
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made

TOTAL FOR

ACRE FEET

# STATE OF UTAH

## OFFICE OF STATE ENGINEER

18.

Daily Gage Height in Feet and Discharge in Second Feet of Sunshine Canal  
 at \_\_\_\_\_ for \_\_\_\_\_ 1959  
 Division \_\_\_\_\_ Irrigation Season \_\_\_\_\_

Month	MAY		JUNE		JULY		AUGUST							
	Gage Ht.	Discharge												
1		cfs		cfs		cfs								
2						*9.00								
3						*9.00								
4						*6.00								
5														
6														
7														
8														
9														
10														
11				*22.50				*5.70						
12														
13								*6.23						
14				*13.00										
15														
16														
17														
18				*0.00		*5.28								
19														
20								*40.0						
21				*10.00				water						
22								out						
23						*7.72								
24														
25														
26														
27		*13.0												
28														
29				*15.00		*6.58								
30		*20.30				*6.54								
31														
Total														
Total Ac. Ft.														

\* Checked by commissioner, adjustments made  
 TOTAL FOR \_\_\_\_\_ ACRE FEET

# STATE OF UTAH OFFICE OF STATE ENGINEER

19.

Daily Gage Height in Feet and Discharge in Second Feet of B. Whitbeck Ditch

at Diversion for Irrigation Season 19 59

Month	MAY		JUNE		JULY									
	Gage Ht.	Discharge												
1						2.20								
2														
3														
4														
5														
6														
7														
8						1.90								
9														
10														
11														
12														
13														
14														
15						1.60								
16														
17														
18				3.00										
19														
20														
21														
22						1.60								
23														
24														
25				2.20										
26														
27														
28														
29						1.6								
30														
31														
Total														
Total Ac. Ft.														

TOTAL FOR \_\_\_\_\_ ACRE FEET

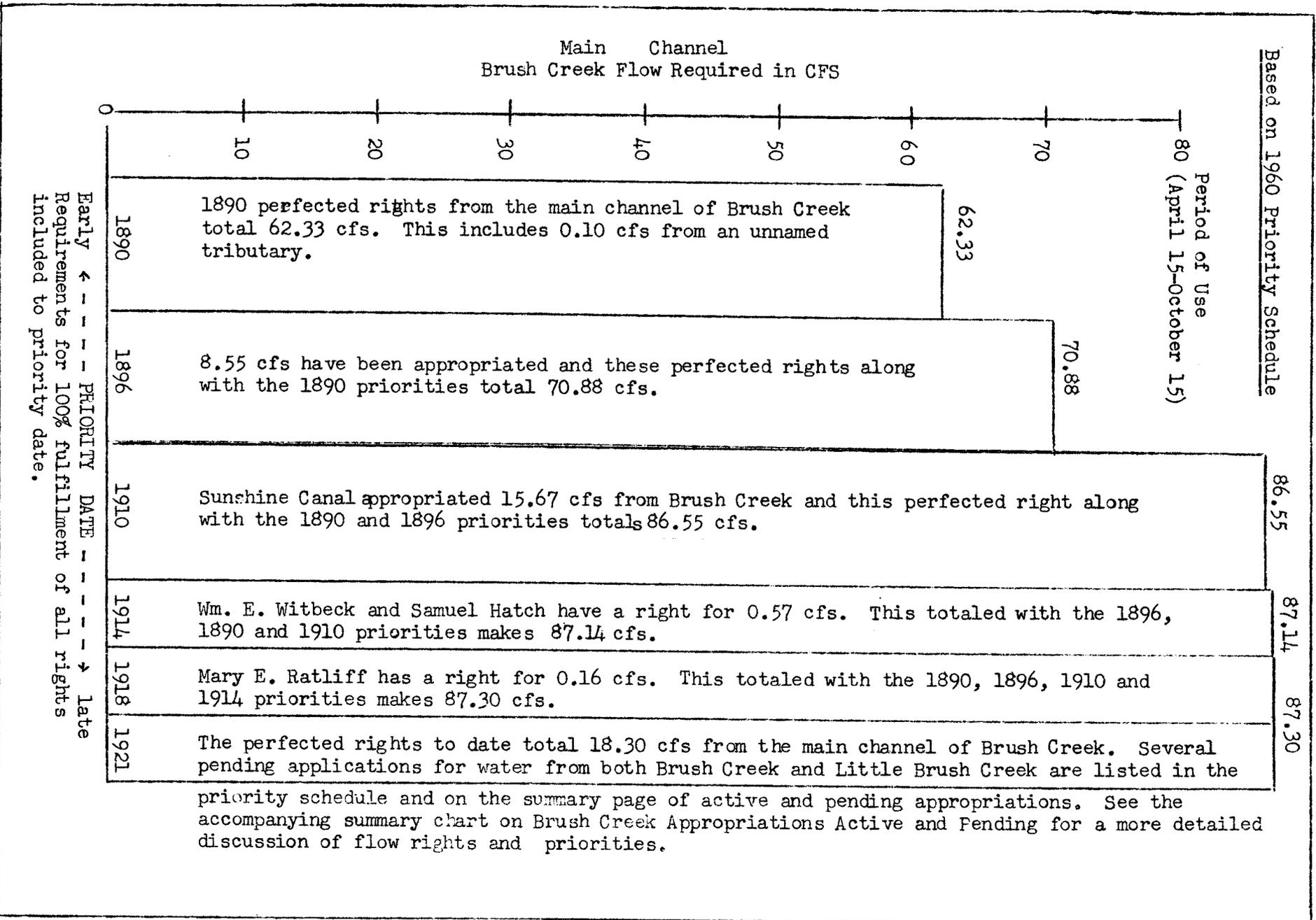
BRUSH CREEK  
Appropriations (Active & Pending)  
Taken from 1960 Priority Schedule

NAME	Priority			Date
	1890	1896	1910	
Marvin & Aretta Jackson	.56	1.23		
Hugh W. Colton	.90	.64		* 31
Wm. E. Witbeck	.21		.02	
Samuel Hatch	.81	1.23	.57	
<del>Shiner Bros.</del>	2.88			
Neldon Shiner		.08		
Howard & Vera Ainge	.80	1.33		
Samuel Sessions & Ruby Kurtz	.70	.51		
Sunshine Canal Thos. L. & Estella E. Ainge, Martin Evans	.70	1.02		
Sunshine Canal Ward & Verna Murray, Josephine Stewart, Arthur Murray	.30	.93		
Burns Bench Vaughn & Velma Wilkins	.22	.75		
Burton Ditch	13.69			
Murray Ditch	9.34			
Burns Bench	31.12			
Mary E. Ratliff (spring)	*1.0		.16	- "PENDING" - - -
" " (unam. trib to B.C.)	.10			
Reed & Arlene Taylor (LB)	*1.36			Priority Mo-Dy-Yr.
" " (spring area)	*.10			11-14-16
" " (springs)	*.30			10-16-18
Woodey Searle (LB)	*1.15			2-10-21
Wilford & Laura E. Evans (LB)	*1.20			11-20-26
" " (Red Wash)	*.75			3-1-35
Sunshine Canal (BC) A-15, Jy-1		15.67		10-15-36
" (Salvage) (LB) A-15, O-15		*27.00		4-23-46
" (East Park) (LB) Jy-1, N-1		*25.00		9-4-46
Ashley Valley Res. Co. J-1, O-30	4500 Ac. Ft.			12-4-46
" " (Storage) M-1, D-1	3000 Ac. Ft.			10-10-48
Sunshine Canal N. J. Meagher, Sr. M-1, D-15	20.0 cfs.			1-11-54
Bureau of Reclamation Tyzack Res. A-1, O-1	40.0 cfs or 10,000 Ac Ft			4-21-56
Central Utah Project J-1, D-31 Brush Creek	500 cfs or 35,000 Ac. Ft.			1-17-58
Little Brush Creek *	500 cfs or 35,000 Ac. Ft.			11-10-59
Humphreys Phosphate Co. J-1, D-31	0.50 cfs (spring)			
" " (underground) ", "	13.0 cfs (well)			
" " (storage) ", "	5.0 cfs or 2732.32 Ac. Ft.			
Utah Fish and Game J-1, D-31	13.0 cfs (fish culture)			
Katherine Ivers (LB abv Sinks) A-15, O-15	*5.0 cfs			

\* Appropriations from Little Brush Creek.

These appropriations were taken from the Priority Schedule (1960), and all rights are in CFS except where they have been indicated to be in acre feet.

In the later priorities, in the Day-Month-Year column, 11-14-16 would refer to a priority dated Nov. 14, 1916. The period of use is indicated by such codes as A-15, O-15, and would refer to a period of use from April 15 to October 15.



## BRUSH CREEK DISTRIBUTION SYSTEM

\* \* 1959 \* \*

\$650.00 Assessment

Part I

The 1959 water assessment for the Brush Creek Distribution System is prepared by the State Engineer of Utah, in compliance with Court Order-Civil No. 12, Honorable Joseph E. Nelson, presiding, in the Fourth Judicial District Court of the State of Utah, in and for Uintah County.

Part IIBasis of Assessment

A. Page 2 of the above Civil Order No. 12 sets forth the percentage of 1959 funds which each specified water user is to pay:

Burns Bench Irrigation Company	40 per cent
Burton Ditch Company	17 per cent
Murray Ditch Company	12 per cent
Upper Brush Creek	11 per cent
Sunshine Canal Users	<u>20 per cent</u>

TOTAL: 100 percent

B. Page 3, paragraph 2, of Civil Order No. 12 further orders that the following amounts of funds shall be paid to the State Engineer:

Burns Bench Irrigation Company	\$260.00
Burton Ditch Company	110.50
Murray Ditch Company	78.00
Upper Brush Creek	71.50
Sunshine Canal Users	<u>130.00</u>

TOTAL: \$650.00

Calculation of Assessment

Since the Court has already identified total assessments due, there are only two minor steps which the State Engineer must process in order to properly account for such funds to both the State Auditor and the Court.

Step No. 1. Assign numerical account numbers to each known water user.

Step No. 2 Pro-rate, separately, each of the individual water users listed by the Court as "Upper Brush Creek."

Following is the data for Steps numbers 1 and 2:

<u>Account Number</u>	<u>Water User</u>	<u>Assessment</u>
1.	Murray Ditch Company	\$ 78.00
2.	Burton Ditch Company	110.50
3.	Burns Bench Irrigation Company	260.00
4.	*Sunshine Ranches, Inc.	130.00
5. Master**	(Upper Brush Creek--\$71.50	
5.A (.07%**	Jackson Ranch	5.00
5.B (.11%**	H. W. Colton	7.87
5C. (.11%**	Burt Hatch	7.87
5.D (.01%**	Bill Whitbeck	.71
5.E (.35%**	"Shiners"	25.03
5.F (.14%**	Howard Ainge	10.01
5.G (.04%**	Sam Sessions	2.86
5.H (.04%**	"Murrays"	2.86
5.I (.04%**	Leon Ainge	2.86
5.J (.04%**	Martin Evans	2.86
5.K (.05%**	Richard Dejournet	3.57
		TOTAL: \$650.00

\* Listed in court order as Sunshine Canal Users

\*\* Note: Percentage was determined on a pro-rata basis of acreage as set out in the 1896 Brush Creek decree, using 325 acres as a total, and each separate account his portion thereof, i.e., Jackson Ranch percentage was 22/325 of 100 per cent.

Prepared by: \_\_\_\_\_

Frank Reese, Business Manager  
June 18, 1959



**THE STATE OF UTAH**  
**OFFICE OF STATE ENGINEER**  
**SALT LAKE CITY**

**WAYNE D. CRIDDLE**  
 STATE ENGINEER

BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS FOR THE PERIOD OF JANUARY 1, 1959  
 THROUGH DECEMBER 31, 1959

State Engineer Check Book Balance, Dec. 31, 1958 : \$ -0-  
 Plus Total Receipts (Jan. 1 -- Dec. 31, 1959) : \$ 639.27 \*  
 Less Total Expenditure (Jan. 1 -- Dec. 31, 1959) : \$ 575.49

State Engineer Check Book Balance, Dec. 31, 1959 : \$ 63.78  
 Less Known Bills Payable after Dec. 31, 1959 : \$ 41.38

Unencumbered Cash Balance, Dec. 31, 1959 : \$ 22.40

Reconciliation:

First National Bank Statement, Dec. 31, 1959 : \$ 63.78  
 Less Outstanding Checks, Dec. 31, 1959 : \$ -0-  
 Less Known Bills Payable after Dec. 31, 1959 : \$ 41.38

Unencumbered Cash Balance, Dec. 31, 1959 : \$ 22.40



\_\_\_\_\_  
 Frank Reese  
 Chief Accountant  
 Office of the State Engineer

APPROVED: Wayne D. Criddle  
 Wayne D. Criddle  
 State Engineer

\*NOTE: There is \$10.73 Delinquent Assessments Outstanding:  
 (Burt Hatch: \$7.87)  
 (Murray's: 2.86)

STATE OF UTAH  
OFFICE OF STATE ENGINEER

BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

REPORT OF EXPENDITURES AND BILLS PAYABLE - JANUARY 1 THROUGH DECEMBER 31, 19 59

19 59 Budget Item No.	Description of Item	Amount Approved For 1959	Total Expenditures or Encumbered	"DETAIL OF EXPENDITURES -- ENCUMBRANCES"		
				<u>1958</u> Budget	<u>1959</u> Budget	<u>Bills</u> <u>Payable - 1960</u>
1.*	Contractual Services	\$600.00	\$602.00	-0-	\$569.22	\$32.78
2.*	Bonds and Insurance Premiums	25.00	-0-	-0-	-0-	-0-
3.*	Miscellaneous Expenses	25.00	14.87	-0-	6.27	8.60
	TOTALS:	\$650.00**	\$616.87	-0-	\$575.49	\$41.38

NOTE:

\* Revised by the State Engineer Office, upon receipt of request for reimbursement by Commissioner: See Page Two.

\*\* In compliance with Judge Joseph E. Nelson's Court Order (Civil No. 12), dated May 26, 1959.

STATE OF UTAH  
OFFICE OF STATE ENGINEER

BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

REPORT OF EXPENDITURES AND BILLS PAYABLE - JANUARY 1 THROUGH DECEMBER 31, 19 59

19 59 Budget Item No.	Description of Item	Amount Approved For 1959	Total Expenditures or Encumbered	"DETAIL OF EXPENDITURES - - ENCUMBRANCES"		
				1958 Budget	1959 Budget	Bills Payable - 1960
1.*	Commissioner's Salary	\$344.00	\$344.00	-0-	\$311.22	\$32.78
2.*	Matching Social Security	8.60	8.60	-0-	-0-	8.60
3.*	Travel (Automobile at 8¢ per mile)	258.00	258.00	-0-	258.00	-0-
4.	Bonds and Insurance Premiums	25.00	-0-	-0-	-0-	-0-
5.*	Miscellaneous Expenses	14.40	6.27	-0-	6.27	-0-
	TOTALS:	\$650.00**	\$616.87	-0-	\$575.49	\$41.38

NOTE:

\* Revised by the State Engineer's Office, see page one.

\*\* Reimbursement of Special Distribution Expenses may be requested by the State Engineer, after 1959.

STATE OF UTAH  
OFFICE OF STATE ENGINEER

BRUSH CREEK  
RIVER DISTRIBUTION SYSTEM

REPORT OF EXPENDITURES AND BILLS PAYABLE - JANUARY 1 THROUGH DECEMBER 31, 1959

<u>1959</u> <u>Budget</u> <u>Item No.</u>	<u>Description of Item</u>	<u>Amount</u> <u>Approved</u> <u>For 1959</u>	<u>Total</u> <u>Expenditures</u> <u>or Encumbered</u>	<u>"DETAIL OF EXPENDITURES - - ENCUMBRANCES"</u>		
				<u>1958</u> <u>Budget</u>	<u>1959</u> <u>Budget</u>	<u>Bills</u> <u>Payable - 1960</u>
	Commissioner's Gross Salary	(\$344.00)	(\$344.00)	-0-	(\$311.22)	(\$32.78)
	Federal Tax		22.60	-0-	-0-	22.60
	Social Security		8.60	-0-	-0-	8.60
	Utah State Tax		1.58	-0-	-0-	1.58
	Net Salary		311.22	-0-	311.22	-0-
	Matching Social Security	(\$ 8.60)	(\$ 8.60)	(-0-)	(-0-)	(\$ 8.60)

TENTATIVE SCHEDULE OF RIGHTS AS SET UP AT MEETINGS WITH BRUSH CREEK WATER  
USERS HELD MAY 26, 1959 and MAY 29, 1959

Diversions		Priority	Diversion
A.	Burns Bench Canal	1896	50%
B.	Murray Ditch	"	15%
C.	Burton Ditch	"	22%
D.	Middle Brush Creek Users:	"	13%

		<u>Priority</u>	<u>% of each user</u>	<u>% of 13% maximum</u>
1.	Jackson Ranch *	1896	6.70 )	6.70
2.	" *	"	) -	
3.	" *	"	)	
4.	Burt Hatch *	"	10.70 ) -	21.75
	H. Colton		11.05 )	
5.	Bill Whitbeck	"	0.50 ) -	11.20
	Burt Hatch *	"	10.70 )	
6.	Shiner Upper Ditch *	"	35.38 ) -	35.38
7.	Shiner Lower *	"	35.38 )	
8.	Howard Ainge *	"	14.20 ) -	18.95
	Richard Dejournet	"	4.75 )	
9.	Howard Ainge *	"	14.20	14.20
10.	Howard Ainge *	"	14.20 ) -	18.51
	Sam Session *	"	4.31 )	
11.	Martin Evans *	"	4.31 )	
	Leon Ainge *	"	4.31 ) -	12.41
	Murrays	"	3.79 )	
12.	Leon Ainge *	"	4.31 ) -	8.62
	Martin Evans *	"	4.31 )	

\* Where owner has more than one diversion he may divert all or part of his water in each or all of his diversions. This does not mean that total quantity may be taken from all ditches.

The 13% to be prorated between these ditches on an acreage basis, as set out in the 1896 Brush Creek decree as follows:

<u>OWNER</u>	<u>ACREAGE</u>	<u>MIDDLE BRUSH CREEK RIGHTS</u> percent	<u>PART OF TOTAL STREAM FLOW</u> percent
Jackson Ranch	22.0	6.70	0.88
H. Colton	36.0	11.05	1.44
Burt Hatch	34.8	10.70	1.39

<u>OWNER</u>	<u>ACREAGE</u>	<u>MIDDLE BRUSH CREEK RIGHTS</u> percent	<u>PART OF TOTAL STREAM FLOW</u> percent
Bill Whitbeck	1.7	.50	0.07
Shiners"	115.0	35.38	4.60
Howard Ainge	46.0	14.20	1.84
Sam Sessions	14.0	4.31	0.56
Murrays	12.0	3.79	0.48
Leon Ainge	14.0	4.31	0.56
Martin Evans	14.0	4.31	0.56
Richard Dejournet	15.5 *	4.75	0.62
	<u>325.0</u>	<u>100.65</u>	<u>13.00</u>

\* This acreage has to be checked and is subject to revision.

TIME SCHEDULE FOR MIDDLE BRUSH CREEK USERS

<u>USER</u>	<u>ACREAGE</u>	<u>HOURS PER WEEK</u>	<u>PERCENT</u>
Upper division:			
Jackson Ranch	22.0	17:41	
H. Colton	36.0	28:51	
Burt Hatch	34.8	27:55	
Bill Whitbeck	1.7	1:22	
Shiners	115.0	92:00	
Sub total	<u>209.5</u>	<u>168:00</u>	64.5
Lower diversion			
Howard Ainge	46.0	67:00	
Sam Sessions	14.0	20:21	
Murrays	112.0	17:27	
Leon Ainge	14.0	20:21	
Martin Evans	14.0	20:21	
Richard Dejournet	15.5	22:30	
Sub total	<u>115.5</u>	<u>168:00</u>	<u>35.5</u>
Grand total	<u>325.0</u>		100.0

Schedule based on 1 week rotation in each division assuming water is distributed in accordance with the acreage in each.

IRRIGATION SCHEDULE FOR PART OF BRUSH CREEK, UINTAH COUNTY  
64.5% of (13% of Total Flow)

NAME	HOURS OF RIGHT	IRRIGATION TURN			
		Begin		End	
		DATE	TIME	DATE	TIME
Marvin Jackson	17:42	6-15	12:01 p.m.	6-16	5:43 a.m.
H. Colton	28:54	6-16	5:43 a.m.	6-17	10:37 a.m.
Burt Hatch	27:39	6-17	10:37 a.m.	6-18	2:16 p.m.
Bill Whitlock	1:39	6-18	2:16 p.m.	6-18	3:55 p.m.
Shiners	92:06	6-18	3:55 p.m.	6-22	12:01 p.m.
Marvin Jackson		6-22	12:01 p.m.	6-23	5:43 a.m.
H. Colton		6-23	5:43 a.m.	6-24	10:37 a.m.
Burt Hatch		6-24	10:37 a.m.	6-25	2:16 p.m.
Bill Whitlock		6-25	2:16 p.m.	6-25	3:55 p.m.
Shiners		6-25	3:55 p.m.	6-29	12:01 p.m.
Marvin Jackson		6-29	12:01 p.m.	6-30	5:43 a.m.
H. Colton		6-30	5:43 a.m.	7-1	10:37 a.m.
Burt Hatch		7-1	10:37 a.m.	7-2	2:16 p.m.
Bill Whitlock		7-2	2:16 p.m.	7-2	3:55 p.m.
Shiners		7-2	3:55 p.m.	7-6	12:01 p.m.

Continue to rotate on this schedule

IRRIGATION SCHEDULE FOR PART OF BRUSH CREEK, UINTAH COUNTY  
35.5% of (13% of Total Flow)

Name	Hours of Right	IRRIGATION TURN			
		Begin		End	
		Date	time	Date	Time
Richard Dejournet	22:30	6-15	12:01 p.m.	6-16	10:31 a.m.
Howard Ainge	67:00	6-16	10:31 a.m.	6-19	5:31 a.m.
Sam Sessions	20:21	6-19	5:31 a.m.	6-20	1:52 a.m.
Murrays	17:27	6-20	1:52 a.m.	6-20	7:19 p.m.
Leon Ainge	20:21	6-20	7:19 p.m.	6-21	3:40 p.m.
Martin Evans	20:21	6-21	3:40 p.m.	6-22	12:01 p.m.
Richard Dejournet		6-22	12:01 p.m.	6-23	10:31 a.m.
Howard Ainge		6-23	10:31 a.m.	6-26	5:31 a.m.
Sam Sessions		6-25	5:31 a.m.	6-27	1:52 a.m.
Murrays		6-27	1:52 a.m.	6-27	7:19 p.m.
Leon Ainge		6-27	7:19 p.m.	6-28	3:40 p.m.
Martin Evans		6-28	3:40 p.m.	6-29	12:01 p.m.
Richard Dejournet		6-29	12:01 p.m.	6-30	10:31 a.m.
Howard Ainge		6-30	10:31 a.m.	7-3	5:31 a.m.
Sam Sessions		7-3	5:31 a.m.	7-4	1:52 a.m.
Murrays		7-4	1:52 a.m.	7-4	7:19 p.m.
Leon Ainge		7-4	7:19 p.m.	7-5	3:40 p.m.
Martin Evans		7-5	3:40 p.m.	7-6	12:01 p.m.

Continue to rotate on this schedule



THE STATE OF UTAH  
OFFICE OF STATE ENGINEER

WAYNE D. CRIDDLE  
STATE ENGINEER

SALT LAKE CITY

June 22, 1959

TO ALL LITTLE BRUSH CREEK WATER USERS, UTAH COUNTY:

Because this is a drought year, the waters of your system are at a critical level and regulation is considered necessary in accordance with the Utah Water Code.

Because your lands lie between the sinks and the confluence of Little Brush Creek and Brush Creek, there are some problems in the division of your waters and the water of lesser rights. However, with the cooperation of all water users, these problems can be worked out and equitable distribution carried out this year.

The waters of Little Brush Creek were measured June 18, 1959 by Joseph G. Murray, Deputy Commissioner, and we will base distribution on this measurement. During the remainder of the year the amount of water allotted to you will be adjusted according to the available water supply.

With the small amount of water now available, it is considered advisable that the rights on Little Brush Creek be established on a rotation basis.

For your consideration, a time schedule has been prepared and is enclosed. The basis of this schedule, established for this year only, is as follows:

- (1) 1 c.f.s. of water per 40 acres of irrigated land.
- (2) 249 acres of land watered from Little Brush Creek
- | User        | Acres of irrigated land | % of total irrigated land |
|-------------|-------------------------|---------------------------|
| (a) Taylor  | 75                      | 30.1                      |
| (b) Searles | 72                      | 28.9                      |
| (c) Evans   | 65                      | 26.1                      |
| (d) Colton  | <u>17</u>               | <u>6.9</u>                |
| Total       | 249                     | 100.0                     |
- (3) Weekly turn base or a total of 168 hours per complete rotation.

We hope you will cooperate. We believe the enclosed schedule to be the best possible means of achieving equitable distribution for this year. The adoption of this schedule will in no way establish precedent but is for the purpose of distribution in 1959.

The determination of water rights now underway in your area will be completed soon and each right will be definitely established at that time.

We are asking that each user cooperate and aid the commissioner in distributing this water. If there are questions, or we can be of service to you in any way, please feel free to contact Mr. Murray or this office and we will aid you in any way possible.

DCH/eca

Enclosure

cc: Joseph G. Murray, Jensen  
Reed Taylor                   "  
Woodrow Searles           "  
Wilford Evans,       Vernal  
Hugh Colton                   "

Yours very truly,

*Donald C. Norseth*  
Donald C. Norseth,  
DISTRIBUTION ENGINEER

**ROTATION SCHEDULE FOR WATER USERS ON LITTLE BRUSH CREEK**

<u>Name</u>	<u>Hours of right</u>	<u>Date</u>	<u>Time</u>	<u>Date</u>	<u>Time</u>
Taylor	50:33	6/22	4:00 p.m.	6/24	6:33 p.m.
Scaries	48:33	6/24	6:33 p.m.	6/26	7:06 p.m.
Evans	57:17	6/26	7:06 p.m.	6/29	4:23 a.m.
Colton	11:35	6/29	4:23 a.m.	6/29	4:00 p.m.
Taylor	50:33	6/29	4:00 p.m.	7/1	6:33 p.m.
Scaries	48:33	7/1	6:33 p.m.	7/3	7:06 p.m.
Evans	57:17	7/3	7:06 p.m.	7/6	4:23 a.m.
Colton	11:35	7/6	4:23 a.m.	7/6	4:00 p.m.
Taylor	50:33	7/6	4:00 a.m.	7/8	6:33 p.m.
Scaries	48:33	7/8	6:33 p.m.	7/10	7:06 p.m.
Evans	57:17	7/10	7:06 p.m.	7/13	4:23 a.m.
Colton	11:35	7/13	4:23 a.m.	7/13	4:00 p.m.

CONTINUED ON SAME ROTATION