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SUMMARY ON SANTA CLARA SYSTEM (RE: IVINS RESERVOIR STORAGE) 1/1/87 TO 7/9/87

MEASUREMENTS MADE BY UTAH POWER AND LIGHT AT VEYO AND SAND COVE PLANTS

DATE	January	February	March	April	May	June	July
	Veyo/S.C.						
1	10.0/8.0	10.0/9.0	10.0/9.2	11.0/8.6	27.0/18.4	18.0/13.0	18.0/9.2
2	10.0/9.0	10.0/9.0	10.0/8.6	13.0/9.8	28.0/19.6	18.0/13.0	12.0/9.2
3	10.0/9.0	10.0/9.0	10.0/8.0	14.0/12.6	27.0/20.2	23.0/13.0	10.0/9.2
4	10.0/9.0	10.0/9.0	10.0/8.0	15.0/14.4	26.0/20.2	18.0/15.4	10.0/8.2
5	10.0/9.0	10.0/8.0	10.0/8.0	15.0/14.4	26.0/20.0	18.0/16.0	10.0/8.2
6	10.0/10.0	10.0/8.0	10.0/8.0	15.0/12.6	24.0/19.2	22.0/17.4	10.0/8.2
7	10.0/6.0	10.0/8.0	13.0/10.8	15.0/12.6	26.0/19.2	22.0/17.4	10.0/8.2
8	10.0/6.0	10.0/8.6	13.0/12.0	15.0/10.8	26.0/20.0	24.0/17.4	10.0/8.2
9	9.0/4.0	10.0/8.6	13.0/12.0	14.0/10.8	26.0/19.2	24.0/18.2	10.0/8.2
10	9.0/4.0	10.0/8.6	15.0/13.0	14.0/10.8	26.0/18.0	22.0/18.2	
11	9.0/4.0	10.0/8.6	14.0/14.0	14.0/10.8	26.0/18.0	22.0/18.8	
12	9.0/8.0	10.0/8.6	12.0/12.0	14.0/10.8	25.0/17.6	22.0/19.2	
13	9.0/8.0	9.0/8.6	11.0/10.0	14.0/10.8	25.0/15.2	24.0/19.2	
14	9.0/8.0	9.0/8.6	11.0/10.0	14.0/10.8	26.0/17.6	15.0/13.2	
15	9.0/8.0	9.0/8.6	12.0/10.0	16.0/10.8	27.0/17.6	15.0/13.2	
16	8.0/4.0	9.0/8.6	12.0/10.0	16.0/12.8	28.0/18.8	20.0/13.2	
17	8.0/4.0	9.0/8.0	12.0/10.0	16.0/12.8	28.0/18.8	19.0/12.2	
18	8.0/3.0	9.0/8.0	12.0/10.0	17.0/12.6	29.0/18.8	13.0/12.2	
19	8.0/3.0	9.0/8.0	12.0/12.0	17.0/12.6	27.0/18.0	13.0/11.4	
20	8.0/3.0	9.0/8.0	12.0/12.0	17.0/12.6	27.0/18.0	12.0/11.4	
21	8.0/4.0	9.0/8.0	12.0/11.0	24.0/16.4	27.0/18.0	11.0/11.4	
22	10.0/6.4	9.0/8.0	12.0/11.0	24.0/17.2	26.0/16.8	11.0/10.4	
23	10.0/10.0	9.0/8.0	12.0/12.0	24.0/18.0	26.0/10.4	11.0/7.8	
24	10.0/10.0	9.0/8.0	11.0/11.0	24.0/18.0	26.0/10.4	12.0/8.4	
25	10.0/10.0	9.0/8.0	11.0/10.0	24.0/18.0	22.0/10.2	14.0/8.4	
26	10.0/9.2	10.0/8.0	11.0/10.0	24.0/18.4	21.0/10.2	15.0/12.0	
27	10.0/9.2	10.0/8.0	11.0/10.0	28.0/18.4	21.0/11.2	14.0/12.4	
28	10.0/9.2	10.0/8.0	11.0/10.0	26.0/18.4	21.0/13.0	15.0/12.4	
29	10.0/9.0		11.0/out	28.0/18.4	21.0/16.0	15.0/12.4	
30	10.0/9.0		11.0/out	27.0/17.0	21.0/16.0	18.0/9.2	
31	10.0/9.0		11.0/out		17.0/16.0		

Note: On January 9 thru 21 there were ice problems on canal and water was turned into the Santa Clara River. Also, Sand Cove figures are calculated from kilowatt production at plant.

WATER COMMISSIONERS DAILY LOG FOR SANTA CLARA RIVER SYSTEM - 1/1/87 TO 7/13/87

- January 4 Snow & rain
- 5 No water being used
- 6 Some water in Ivins Reservoir

- February 13 Some water in Ivins Reservoir
25 Ivins took water without permission
- March 26 Ivins Reservoir - approximately 60 acre feet with a small stream going into Ivins Reservoir.
- April 1 Ivins are going to turn wells on at 9AM, Floyd's, Graveyard, and the one at Arlo's house. Approximately 70 acre feet in Ivins Reservoir.
- 13 I talked to Muskgrave & Ferman Grayman about having too much water
- 14 I went down to Ivins ditch at 3AM to check their water. They had 5 1/2 CFS and the Indians had 1 3/4 CFS.
- 15 Ivins took 1 extra sec.-ft up at the head. Arlo Hafen well meter reading 81 acre feet; Graveyard well is 557 acre feet; and they are pumping 525 GPM.
- 16 I (Rod) called State Engineer (Cedar's office) and Reed Mathis on problem with Ivins and the Indian Reservation taking too much water.
- 22 No water going into Ivins Reservoir (still at 60 acre feet)
- 27 I called Kay Ence and told him high water had started but he couldn't have any yet.
- May 2 Ivins Reservoir still at 60 acre feet
- June 1 Everyone on 50%, Ivins Reservoir about 70 acre feet
- July 2 The Graveyard well is pumping 350 gpm. They have been pumping about 1350 gpm. Reed Mathis wants Arlo Hafen well turned off & back to the St. George field users. He said to have the power billed to them.
- 3 I called Dee Potter this morning & told him to cut their water from 4 to 2 1/2 sec-ft. He said he would....I went down at 8PM and it was still at 4 sec-ft.
- 5 Arlo Hafen well at 200 gpm; Graveyard well at 350 gpm; Floyd Ence well (upper) at 200 gpm and Ence well (lower) at 400 gpm.
- 6 Dee Potter called & said that we had to have an application filled out from the power co. & company pres. before they could switch the power on the well. So as long as they were paying for an extra day of power...they would use the water.
- 7 I couldn't read the lower well today because the University had a chain across it. I called Martin...He said they pumped all day Saturday at 216 gpm. The Graveyard well read 716 acre feet and Floyd's meter on #1 well read 50 acre feet.

- 8 Well #2 reads 12 acre feet. The Hafen well doesn't have a meter on it so we will have to calculate it. Ivins went and lowered the bowls on the pump at the Graveyard well...They are now pumping 525 gpm.
- 13 At the Indian Farm they have 2 1/4 sec-ft running in Ivins Ditch
- 16 I called Mrs. Potter & told her I checked the Graveyard well last night July 15 at 7PM and it was pumping 400 gpm. Ivins is pumping 1000gpm out of 3 wells. Their weir at Ivins ditch was 2 1/2 sec-ft. Dee Potter called back and said they increased Floyd's well (an increase of 100 gpm)

GUNLOCK RESERVOIR

- JANUARY 5 Out - Nothing
 In - 10 cfs
- February 10 Out - Nothing
 In - 14 1/2 cfs
- 15 Out - 8 cfs
 In - 14 1/2 cfs
- 24 Out - Nothing
 In - 14 1/2
 Elevation 3565
- March 9 Out - Nothing
 In - 28 1/2 cfs (from Moody)
 Elevation 3566.5
- 23 Out - Nothing
 In - 28 cfs (from Moody)
- 26 Out - Nothing
 In - 30 cfs
- 31 Out - 24 cfs
 In - 26 cfs
- April 1 Out - 27 cfs
 In - 21 cfs
 Elevation 3571
- 2 Out - 27 cfs
 In - 21 cfs
 Elevation 3571, 7973 acre feet
- 4 Out - 23 cfs
 In - 23 cfs
 Elevation 3571

6	Out - 23 cfs In - 24 cfs Elevation 3571
13	Out - 23 cfs In - 20 cfs Elevation 3571
16	Out - 23 cfs In - 18 cfs Elevation 3571
20	Out - 23 cfs In - 17 cfs Elevation 3571
22	Out - 23 1/2 cfs In - 24 cfs Elevation 3571
28	Out - 23 1/2 cfs In - 37 cfs Elevation 3569
May 5	Out - 23 1/2 cfs In - 25 1/2 cfs Elevation 3569
17	Out - 21 cfs In - 27 cfs Elevation 3569
24	Out - 21 1/4 cfs In - 20 cfs Elevation 3569
June 1	Out - 21 1/4 cfs In - 18 cfs Elevation 3569
5	Out - 21 1/4 cfs In - 19 cfs Elevation 3568.5
15	Out - In - Elevation 3568
22	Out - 21 1/4 cfs In - 12 cfs Elevation 3567.5
30	Out - 21 1/4 cfs

In - 11 cfs
Elevation 3566

July 2 Out - 22 cfs
 In - 11 cfs
 Elevation 3564.5

 5 Out - 22 cfs
 In - 11 cfs
 Elevation 3564.5

 8 Out - 22 cfs
 In - 10 cfs
 Elevation 3564.5

 13 Ivins is diverting 2 1/4 cfs

 15 Ivins is diverting 2 1/2 cfs

IVINS IRRIGATION CO & INDIAN'S DIVERSIONS

FEBRUARY 23 IVINS HAD WATER

APRIL 2 IVINS 4 1/2 CFS, INDIANS 1 1/2 CFS

 6 " 4 CFS " 4 CFS

 13 " 5 CFS " 3 1/4 CFS

 14 " 5 1/2 CFS " 1 3/4 CFS

 16 " 4 CFS " 2 3/4 CFS

 19 " 4 CFS " 1 3/4 CFS

 20 " 4 CFS " 1 CFS

 23 " 4 CFS " 1 3/4 CFS

 25 " 4 CFS " 1 3/4 CFS

 28 " 3 CFS* " 1 3/4 CFS

 " 3 CFS*

MAY 5 " 4 CFS* " 1 3/4 CFS

 10 " 4 CFS " 1 3/4 CFS

 22 " 4 CFS " 1 1/2 CFS

 26 " 4 CFS " 1 1/2 CFS

* HIGH WATER STORED IN
GUNLOCK (18 A.F.) 29

JUNE 1	"	4 CFS	"	1 1/2 CFS	EVERYONE ON 50%
5	"	5 1/4 CFS	"	3 CFS	
7	"	4 1/4 CFS			JUNE 5 TO 15, IVINS HAD 4 1/4 CFS
15	"	4 1/4 CFS	"	2 CFS	
22	"	4 1/4 CFS	"	2 CFS	
30	"	4 CFS	"	2 CFS	
JULY 2	"	4 CFS	"	2 CFS	
3	"	4 CFS	"	2 CFS	
5	"	3 CFS	"	1 1/2 CFS	
8	"	2 1/2 CFS			COULDN'T READ WEIR, IT WAS BACKED UP FROM SPRINKLER SYSTEM.
13	"	2 1/4 CFS			