

Guadalupe River Below Canyon Dam - Tail Race Trout Study

Dam
 Horsehoe Falls
 1st Bridge
 2nd Bridge
 3rd Bridge
 4th Bridge
 Hillman Ranch
 2nd Crossing Below S. Hill

1968 D.O. 8-12 ppm
 Water Temp 49° Feb to 88° July
 average 58° at dam
 59° lower end of feeding

DATE	Water Releases (C.F.S.)	TEMP	D.O.	PH	1st Bridge				2nd Bridge				3rd Bridge				4th Bridge				LAKE LEVEL														
					D.O.	TEMP	PH	TEMP	D.O.	TEMP	PH	TEMP	D.O.	TEMP	PH	TEMP	D.O.	TEMP	PH	TEMP															
1-18-66	250.0	41	0	57																	886.32														
1-24-66	250.0	37	3	10	53	2	10	52	0	10	52	2	10	52	0	10	51	2	10	51	51	54	886.27												
1-31-66	250.0	46	0	9	54	0	9	54	0	9	54	0	11	54	0	9	53	0	8	53			58	886.05											
2-4-66	300.0	47	6	11	53	3	9	53	3	9	52	2	11	56	3	10	52	3	10	52			51	53	885.99										
2-28-66	300.0	70	10	11	50	5	10	52	5	11	51	5	13	50	5	11	50	5	11	51			50	52	885.89										
3-11-66	300.0	66	5	10	52	222	6	10	52	205	3	11	52	205	3	10	53	222	3	11	54	188		53	56	885.76									
3-28-66	300.0	65	0	11	56	188	25	13	59	195	0	10	58	195	0	10	58	195	25	10	60	171	25	10	58	195	0	9	59	188	885.35				
4-13-66	300.0	89	0	9	57	187	25	11.0	58	205	65	11	59	222	0	10	61	205	4	10	61	205	0	9	62	204	0	10	62	202	3	9	62	204	884.68
5-3-66	100.0	64	0	9	57	195	25	7.0	60	195	0	7.0	62	188	0	9	62	195	25	7.0	65	195	25	9	64	195	25	9	64	188	0	8	65	195	883.28
5-16-66	100.0	85	0	9	57	195	25	8.0	60	175	0	8.0	62	175	0	8.0	64	195	0	7.0	64	187	0	8.0	66	195	0	9.0	66	188	0	9.0	67	195	883.40
5-23-66	100 CFS should start back at 200 CFS sometime this week	72	2	9.0	58	239	25	11.0	66	205	22	9.0	68	239	2	10	68	205	2	9.0	70	239	2	8.0	72	205	2	9.0	80	205	2	9.0	81	205	889.15
5-29-66	300 CFS 2 trout caught below THERMOMETER CHECKED AGAINST TWO OTHERS & FOUND TO BE READING 2.5° TO HIGH THESE TEMPS HAVE BEEN ADJUSTED	89	1	9.0	59	205	1	10.0	63	205	1	10.0	62	222	1	10.0	66	239	1	10.0	68	239	1	10.0	68	170	1	10.0	64	171	1	10.0	66	222	889.52
6-7-66		0	12.0	57.5	188	1	8	61.5	205	0	12.0	59.5	205	1	10	59.5	205	1	8	61.5	188	1	9	65	188	1	9.0	65.5	188					889.35	
6-14-66	Water releases 300 CFS	95	1	10	57	222	1	10	60	239	1	10.0	59	239	1	10	60	239	1	10	61	236	1	10	62	239	1	9	64	22	1	9	64	22	889.00
6-20-66	300 CFS	81	1	10	56	188	1	9.0	59	205	0	10.0	58	205	1	11.0	59	188	4	9.0	60	188	1	10	61	188	1	11.0	61	205	2	10.0	62	205	888.67
6-27-66	300 CFS	70	1	10	57	205	1	8.0	60	205	0	10.0	59	188	1	11.0	60	188	0	8.0	61	188	1	10.0	62	188	1	10.0	63	205	0	11.0	64	205	888.32
7-5-66	300 CFS	93	0	10.0	57	188	2	8.0	59	205	2	9.0	59	188	1	9.0	59	188	2	10.0	60	205	0	10.0	62	205	0	10.0	64	188	0	9.0	64	205	887.81
7-12-66	300 CFS	94	1	9	58	205	1	11	63	205	1	9	62	205	1	9	63	222	0	9	65	222	1	10	65	222	1	9	64	222	1	9	65	205	887.40
7-18-66	300 CFS H2S SMELL	94	1	9.0	58	205	-	-	60	-	-	59	-	0	9	62	222	-	-	63	-	-	64	-	-	63	-	2	9.0	65	205			886.94	
7-25-66	300 CFS	97	1	9.0	58	222	0	13	61	239	0	10	59	188	0	11	61	222	0	10	62	239	0	11	64	222	0	10	63	222	0	10	66	239	886.29
8-8-66	200 CFS	96	0	9.0	60	222	0	7.0	63	222	10	8.0	61	188	20	8.0	63	222	0	8.0	64	188	1	7.0	63	222	10	8.0	65	222	0	9.0	68	239	885.45
8-16-66	150 CFS	94	1	8	60	204	1	10	64	204	0	7	61	222	1	8	64	204	0	8	67	239	1	10	68	222	0	9	71	222	1	9	73	222	888.18
8-29-66	300 CFS	89	0	10	59	222	1	8	62	239	0	9	61	222	1	8	62	222	2	8	64	188	1	9	65	222	2	9	67	239	2	9	69	222	888.41
9-7-66	300 CFS	91	9.0	62	222	8.0	65	204	9.0	63	204	10	9.0	63	222	8.0	65	204	9.0	67	222	10.0	66	222	8.0	67	204							888.10	
9-12-66	300 CFS	93	9.0	60	222	8.0	63	239	8.0	62	188	9.0	63	222	8.0	64	204	9.0	65	222	9.0	65	222	9.0	65	222	9.0	65	222	9.0	66	204			888.16
9-19-66	300 CFS	87	1.0	9.0	59	222	10	8.0	63	222	0	9.0	62	204	10	9.0	63	214	2	9.0	64	222	1	8.0	64	222	0	9.0	66	222	1	9.0	68	222	888.41
10-4-66	360 CFS	88	1.0	10.0	60	204	1.0	9.0	63	222	0	8.0	61	204	0	9.0	63	204	2	9.0	64	204	1	8.0	65	222	0	9.0	66	204	1	9.0	68	222	888.00
10-17-66	300 CFS	71	0	9.0	59	222	10	9.0	62	204	2	8.0	61	222	0	8.0	62	204	1	9.0	63	222	1	8.0	64	204	0	8.0	67	222	1	9.0	68	204	887.91
10-24-66	300	74	0	9.0	62	239	10	9.0	63	222	10	9.0	64	222	0	8.0	65	204	0	8.0	66	204	0	8.0	66	204	0	8.0	66	204	10	8.0	68	222	887.47
11-2-66	300 CFS 250	60	0	8	67	-	0	11.0	67	-	0	9.0	65	239	0	9.0	65	188	0	9	65	205	0	10.0	63	188	0	9	61	205	0	11.0	60	188	886.97

Dam
Horseshoe Falls
1st Bridge on 306
2nd Bridge on 306
Sattler Bridge
Penderos Bridge
Hillview Ranch Bridge
2nd Crossing Below Sattler

Date	Water Releases (cfs)	1st				2nd				Sattler				Penderos				Hillview				2nd Crossing			
		DO	Temp	Alk	DO	Temp	Alk	DO	Temp	Alk	DO	Temp	Alk	DO	Temp	Alk	DO	Temp	Alk	DO	Temp	Alk			
1 11-14-66	250	71	9.0 65	204	8.0 67	222	9.0 66	222	9.0 66	222	8.0 64	204	9.0 63	198	9.0 63	204	9.0 62	204					886.57		
2 11-28-66	100	64	9.0 66	222	9.0 67	204	8.0 66	204	8.0 66	222	9.0 65	222	2 9.0 66	204	0 9.0 65	222	0 8.0 64	222					885.94		
3 12-5-66	100	67	9.0 67	222	9.0 67	222	8.0 67	204	9.0 66	222	1 9.0 66	222	1 8.0 65	204	0 8.0 64	222	0 8.0 63	204					885.87		
4 12-12-66	100	50	9.0 65	222	9.0 66	204	9.0 65	204	9.0 64	222	0 8.0 64	222	1 8.0 63	204	0 8.0 63	222	0 8.0 62	204					885.81		
5 12-23-66	100	75	9.0 66	222	9.0 63	222	8.0 62	204	9.0 62	222	1 9.0 60	222	1 8.0 59	204	0 9.0 58	222	1 8.0 57	204					885.82		
6 12-29-66	100	47	55		51		55		52		52		50										885.60		
7 1-3-67	100	49	9.0 57	222	8.0 56	204	9.0 56	222	9.0 55	222	1 9.0 54	204	1 8.0 55	204	0 9.0 54	222	1 8.0 55	204					885.59		
8 1-9-67	100	42	9.0 55	222	9.0 57	222	9.0 55	222	9.0 54	222	1 9.0 54	222	0 9.0 53	204	0 9.0 53	222	1 8.0 53	204					885.54		
9 1-16-67	100	56	9.0 52	222	8.0 53	204	9.0 52	222	2 8.0 53	222	1 9.0 52	222	0 9.0 51	204	0 9.0 52	204	1 9.0 52	222					885.52		
10 1-26-67	100	68	9.0 53	222	8.0 52	222	9.0 52	222	2 9.0 52	222	1 9.0 52	222	0 9.0 50	204	0 9.0 51	204	1 9.0 51	204					885.55		
11 2-1-67	100	#4 (7.6)	78	2 9.0 50	222	9.0 53	222	8.0 52	204	0 9.0 54	222	1 9.0 56	204	0 9.0 57	204	2 9.0 57	222	1 9.0 57	222					885.51	
12 2-7-67	100	42	9.0 51	222	9.0 53	222	9.0 52	222	9.0 53	222	1 8.0 55	222	0 9.0 55	222	2 9.0 54	222	1 9.0 54	222					885.49		
13 2-15-67	50	55	9.0 52	222	9.0 53	204	9.0 53	222	0 9.0 54	222	0 8.0 56	222	1 8.0 57	204	1 9.0 54	222	1 9.0 54	222					885.47		
14 2-22-67	100		9.0 54	222	9.0 55	204	9.0 53	222	0 9.0 56	222	0 8.0 57	222	1 8.0 55	204	1 8.0 55	222	1 9.0 56	222							
15 3-8-67	100	#5 (7.5)	9.0 52	222	9.0 53	204	9.0 53	222	0 9.0 54	222	0 9.0 53	222	1 9.0 53	204	0 9.0 54	222	0 9.0 54	204					885.39		
16 3-16-67	100		9.0 53	222	9.0 53	204	9.0 53	204	9.0 55	222	8.0 56	222	8.0 58	222	9.0 60	204	9.0 62	222							
17 3-20-67	100		9.0 53	204	8.0 54	222	9.0 55	222	8.0 56	222	9.0 56	222	9.0 58	204	9.0 61	222	9.0 63	222							
18 4-11-67	100	#5 (7.8)	10 52	222	9.0 53	222	10 56	222	9.0 58	204	9.0 58	204	0 9.0 60	204	0 9.0 62	204	1 9.0 65	204							
19 4-18-67	100		10 52	222	9.0 54	222	10 56	222	9.0 56	204	9.0 58	204	0 9.0 60	204	1 9.0 63	222	1 9.0 65	222							
20 4-28-67	100		10 53	222	9.0 54	222	10 56	204	8 58	204	9.0 60	222	0 8.0 62	222	1 9.0 64	222	1 10 67	222							
21 5-5-67	100	#6 (7.6)	10.6 56	196	10		61		63		65		67		67		67								
22 5-11-67	100		10.0 58	196	9.0 60	204	9.0 63	204	8.0 65	222	9.0 (71)	222	1 9.0 (71)	204	0 9.0 79	204	0 9.0 80	222							
23 5-22-67	50		10.0 61	222	9.0 63	204	9.0 61	222	10.0 65	222	2 8.0 (69)	222	0 9.0 (72)	204	0 9.0 72	222	10 8.0 72	222							
24 5-31-67	50		10.0 62	222	9.0 64	204	9.0 64	222	2 8.0 (68)	222	0 9.0 (72)	222	1 9.0 (72)	204	0 9.0 80	222	0 9.0 81	204							
25 6-12-67	50		10.0 59	222	9.0 61	222	9.0 65	204	8.0 (68)	222	1 8.0 (73)	204	0 8.0 (78)	222	0 9.0 80	222	0 8.0 81	204							
26 6-16-67	50	#5 (7.6)	10.0 57	222	9.0 60	222	9.0 65	204	8.0 (68)	222	1 7.0 (74)	204	0 7.0 (78)	222	1 8.0 80	204	0 7.0 82	222							
27 6-27-67	50		10.0 57	222	12.0 65	204	11 (68)	222	11.0 (70)	222	1 8 (74)	222	1 10 (81)	204	1 10 83	204	1 9 83	204							
28 6-29-67	50		10.0 58	222	9.0 64	204	8.0 (69)	222	1 8.0 (70)	222	1 8.0 (75)	204	0 9.0 (80)	222	0 9.0 81	204	1 9.0 82	204							
29 7-6-67	50		10.0 57	204	12.0 64	188	9.0 (68)	204	1 8.0 (70)	204	1 8.0 (75)	204	1 8.0 (79)	204	1 9.0 81	204	1 9.0 82	204							
30 7-12-67	50	#4 (7.4)	9.0 51	188	12.0 65	205	10.0 (66)	205	5 8.0 (70)	205	5 8.0 (76)	205	5 8.0 (78)	205	5 9.0 82	205	5 8.0 83	205					883.23		
31 7-26-67	50		9.0 51	222	8.0 65	205	9.0 (70)	222	1 7.0 (78)	222	0 7.0 (78)	222	1 8.0 (78)	204	0 8.0 80	222	0 8.0 82	222					882.93		
8-7-67	50		9.0 58	222	8.0 65	205	9.0 (71)	204	9.0 (75)	222	0 7.0 (77)	204	1 8.0 (79)	204	0 8.0 80	222	0 7.0 81	222					882.72		

		Water Releases (C.F.S)	Air Temp	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	CO ₂ D.O. Temp	Alk	Lake Level		
1	8-9-67	50	100°	5 10 57°	188	5 13 (74°)	188	5 10 (72°)	209	5 10 (78°)	188	5 10 (80°)	188	5 10 (85°)	188	5 10 84°	188			
2	8-18-67	175	87°	- 9.0 58°	204	- 9.0 57°	204	- 10.0 62°	222	- 10.0 62°	188	- 9.0 (65°)	188	- 9.0 65°	204	- 48°	204	- 70	204	882.00
		REDUCED TO 50CFS 8-23-67																		
3	8-23-67	50		- 10 59°	222	- 9.0 60°	204	- 9.0 62°	188	- 10.0 63°	204	- 10.0 66°	222	9.0 (67°)	222	- 8.0 67°	222	- 9.0 69°	188	
4	9-8-67	400 CFS		1 10 59°	204	1 9.0 61°	205	0 9.0 63°	188	1 9.0 64°	222	0 9.0 65°	188	1 10.0 65°	204	0 9.0 66°	204	0 9.0 67°	222	
5	9-14-67	400 CFS	#6(7.8)	0 10.0 59°	222	1 10.0 60°	204	0 9.0 62°	222	1 9.0 63°	222	0 9.0 64°	204	1 9.0 65°	188	1 10.0 67°	204	0 10.0 67°	188	
6	9-18-67	400		1 10.0 58°	222	1 9.0 58°	204	0 9.0 59°	222	0 10.0 60°	204	1 9.0 61°	222	0 9.0 63°	222	0 9.0 65°	222	1 10.0 67°	188	
7	9-28-67	50		1 10.0 57°	222	1 10.0 58°	204	0 9.0 58°	222	0 9.0 60°	204	1 9.0 61°	222	1 9.0 63°	222	0 9.0 64°	204	1 10.0 66°	204	
8	10-6-67	500		1 10.0 56°	222	0 9.0 58°	204	0 9.0 58°	222	1 10.0 60°	204	0 9.0 61°	188	0 9.0 63°	204	0 9.0 63°	204	1 9.0 66°	204	884.64
9	10-16-67	400		* 2 10.0 62°	188	0 9.0 63°	204	2 9.0 61°	204	1 10.0 61°	188	0 9.0 62°	188	1 10.0 62°	204	0 10.0 63°	188	2 9.0 63°	188	
10	11-9-67	500 CFS	#5(7.5)	1 10.0 61°	204	0 9.0 60°	204	1 9.0 61°	204	1 9.0 62°	188	0 10.0 61°	188	0 9.0 61°	204	1 9.0 61°	204	0 10.0 62°	204	
11	11-13-67	500 CFS		9.0 61°	188	9.0 62°	171	10.0 62°	171	8.0 61°	188	8.0 62°	171	8.0 61°	188	9.0 61°	188	8.0 61°	188	
12	11-22-67	500 CFS		- 9.0 62°	204	- 10.0 61°	188	- 10.0 61°	204	- 9.0 62°	204	- 8.0 63°	188	- 8.0 61°	204	- 9.0 62°	204	9.0 62°	204	
13	11-29-67	500 CFS		1 9.0 61°	188	0 10.0 62°	188	0 9.0 61°	204	1 9.0 63°	204	0 9.0 62°	188	1 9.0 61°	188	0 9.0 63°	188	1 9.0 62°	204	
14	12-7-67	500 CFS		1 10.0 62°	204	1 10.0 62°	188	1 10.0 62°	188	0 9.0 62°	222	1 10.0 62°	204	0 10.0 62°	204	1 10.0 62°	204	1 10.0 62°	188	
15	12-15-67	250 CFS		1 10.0 62°	204	1 10.0 62°	204	0 10.0 62°	204	1 10.0 62°	222	0 10.0 62°	204	0 9.0 63°	204	0 9.0 63°	222	0 10.0 62°	188	
16	12-20-67	250 CFS		1 10.8 57°	192	0 9.6 61°	189	0 10.4 58°	189	2 10.2 59°	196	0 10.8 60°	192	1 10.6 61°	192	0 10.0 60°	196	0 9.8 60°	188	
17	12-28-67	150 CFS	#4(7.5)	55		54		52		51		53		53		53		52		
18	1-4-68	150 CFS		1 10.0 55°	188	0 9.8 58°	192	0 10.0 54°	194	2 9.6 53°	196	0 10.4 53°	192	1 10.2 53°	196	1 9.8 53°	188	0 9.6 52°	186	
19	1-11-68	150		1 10.0 52°	188	0 9.6 53°	192	0 9.8 51°	196	2 9.8 50°	188	0 10.2 50°	196	0 10.0 50°	188	0 9.4 49°	194	0 9.4 50°	186	
20	1-25-68	50		52		53		53		53		50		49		51		50		
21	1-31-68	50		1 10.2 51°	188	0 10.0 52°	188	1 9.8 52°	188	1 9.8 51°	188	0 9.8 50°	196	0 9.8 49°	188	0 9.6 50°	188	1 9.6 50°	188	
22	2-15-68	150		1 10.0 50°	188	0 10.0 51°	188	0 10.0 49°	188	0 10.0 51°	188	0 10.0 52°	188	1 10.0 54°	188	0 10.0 52°	188	1 10.0 52°	188	
23	2-21-68	150		50		51		50		51		51		51		51		51		
24	2-28-68	150	#5(7.5)	0 49°	188	1 50°	188	0 50°	188	0 51°	222	0 53°	188	1 51°	204	0 52°	204	0 51°	204	
25																				
26	3-11-68	150		0 9.0 50°	204	1 10.0 52°	204	0 10.0 51°	204	0 9.0 51°	204	1 9.0 51°	204	0 9.0 51°	204	0 9.0 51°	204	0 10.0 52°	204	
27	3-22-68	700		1 10.0 51°	188	51		51		1 9.0 53°	188	53		53		1 10.0 53°	188	0 10.0 53°	188	
28	4-5-68	700		1 10.0 51°	188	1 10.0 53°	204	0 10.0 54°	222	1 10.0 57°	204	0 10.0 54°	204	1 58°	204	0 10.0 56°	188	0 10.0 57°	188	
29	4-11-68	300		0 11.0 56°	188	1 10.0 58°	188	0 12.0 56°	204	0 13.0 57°	188	0 13.0 57°	188	1 12.0 58°	204	0 12.0 58°	188	0 12.0 61°	188	
30	4-16-68	1030		0 12.0 56°	188	1 12.0 58°	188	0 13.0 57°	204	0 13.0 57°	204	0 13.0 57°	204	1 12.0 58°	204	0 13.0 58°	204	0 12.0 60°	188	909.60
31	4-25-68	600 600	STA #7 pH 7.6	0 10.0 54°	188	0 10.0 56°	188	0 12.0 58°	188	1 12.0 58°	188	0 10.0 60°	204	0 12.0	188	0 13.0	188	1 11.0	188	

1572

	600?		CO ₂	DO	T°	ALK																LAKE LEVEL																	
1	5/9/68						0	10.0	56	222	0	10.0	57	204	1	10.0	57	222	1	10.0	57	204	2	10.0	58	222	1	10.0	59	204	0	9.0	58	204	1	9.0	59	204	
2	5/13/68						0	10.0	56	204	0	10.0	57	204	0	10.0	58	204	1	10.0	58	204	1	10.0	58	222	0	10.0	59	204	1	10.0	58	204	2	9.0	59	204	
3	5/24/68						0	12.0	55	204	1	12.0	57	204	0	11.0	58	188	1	11.0	58	204	0	11.0	58	204	0	10.0	59	204	0	10.0	60	204	1	10.0	60	204	
4	6/10/68						0	11.0	54	204	1	10.0	58	204	0	10.0	57	204	1	10.0	58	204	0	10.0	58	204	1	10.0	58	204	0	10.0	59	204	0	10.0	61	204	
5	7/2/68						0	11.0	56	204	0	10.0	59	188	1	10.0	58	204	1	10.0	59	204	0	10.0	60	204	1	10.0	60	204	0	10.0	60	204	0	10.0	62	204	
6	7/11/68	275 CFS					1	9.0	67	188	1	9.0	66	204	1	8.0	64	204	1	9.0	64	188	1	9.0	65	204	1	9.0	68	188	1	8.0	68	188	1	8.0	70	204	
7	7/24/68						0	11.0	62	204	0	9.0	58	204	0	10.0	62	188	1	10.0	63	204	0	9.0	63	204	0	10.0	64	204	0	10.0	67	204	0	10.0	68	204	
8	8/16/68						0	11.0	63	204	0	10.0	61	204	0	10.0	62	204	1	10.0	62	188	0	9.0	63	204	1	10.0	64	204	0	10.0	60	204	1	10.0	68	204	
9	8/14/68						0	11.0	64	204	1	10.0	63	204	0	10.0	64	204	1	9.0	64	188	1	9.0	65	204	1	10.0	65	204	0	10.0	66	204	1	10.0	64	204	
10	9/13/68						0	10.0	61	204	0	10.0	60	204	0	10.0	61	204	1	9.0	63	188	1	9.0	64	204	1	10.0	66	204	0	10.0	69	204	1	10.0	68	204	
11	9/20/68						0	10.0	60	204	1	10.0	60	204	1	10.0	60	204	1	9.0	63	188	0	9.0	64	204	1	10.0	65	204	0	10.0	66	204	1	10.0	67	204	
12	10/22/68		82-55				0	9.0	58	204	0	8.0	60	204	0	8.0	61	204	1	9.0	63	204	0	9.0	65	204	1	9.0	67	204	0	9.0	67	204	1	9.0	69	204	90.6
13	10/29/68		82-57				0	9.0	57	204	0	10.0	58	204	0	10.0	60	204	1	9.0	62	204	0	9.0	64	204	1	9.0	65	204	0	9.0	67	204	1	9.0	69	204	90.6
14	11/13/68		67-36				0	11.0	62	204	0	11.0	62	204	0	10.0	62	204	1	10.0	62	204	0	10.0	60	204	1	11.0	63	204	0	10.0	60	204	1	9.0	59	204	90.5
15	11/22/68		78-49				0	9.0	57	204	0	10.0	57	204	0	10.0	58	204	1	9.0	58	204	0	9.0	58	204	0	10.0	57	204	0	9.0	59	204	0	9.0	60	204	90.5
16	12/10/68		56-44				0	10.0	60	204	0	9.0	56	204	0	9.0	56	204	1	9.0	57	188	0	9.0	57	188	1	9.0	58	204	0	10.0	57	204	0	10.0	56	204	90.6
17	12/27/68		74-52				9.0	56	204	0	9.0	56	204	9.0	58	204	9.0	58	204	9.0	59	204	9.0	60	204	9.0	60	204	9.0	60	204	9.0	60	204	9.0	60	204		
18	1/1/69		68-56																																				
19	1/16/69		68-56				0	10.0	54	188	0	10.0	56	188	0	11.0	60	204	1	11.0	56	204	0	10.0	57	204	1	10.0	59	204	0	10.0	57	204	0	11.0	54	188	90.6
20	1/24/69		80-30				0	9.0	52	188	0	12.0	54	188	1	9.0	51	188	1	11.0	53	188	0	10.0	53	188	1	11.0	51	204	0	10.0	55	204	0	9.0	53	204	90.6
21	2/27/69		69-52				0	10.0	53	153		10.0	55	171	10.0	56	171	9.0	60	171	10.0	62	171	8.0	60	171	9.0	62	171	9.0	62	171	9.0	62	171	90.6			
22																																							
23	4/15/69		77-56				0	10.0	53	188	0	10.0	53	188	0	10.0	57	188	1	10.0	60	188	1	9.0	61	188	0	10.0	61	204	0	10.0	62	188	0	10.0	62	188	90.6
24	5/5/69		78-60				2	10.0	56	188				3	10.0	58	188	2	9.0	60	188	2	10.0	62	205	2	10.0	65	222	-	-	-	2	8.0	65	239	90.7		
25	6/26/69		92-77				0	10.0	52			59											62		65		68		68		0	10.0	70				90.6		
26	7/22/69		100-72				1	12.0	58			12.0	64										12.0	66		72		78		9.0	74						90.5		
27																																							
28	9/10/69		92-66				0	8.0	58	188	0	11.0	66	188	0	9.0	61	188	0	9.0	66	188	0	9.0	71	188	0	9.0	71	188	0	9.0	73	188	0	9.0	73	188	90.5
29	10/20/69	950 CFS	85-66				0	10.0	61	186	0	10.0	61	186	0	10.0	61	186	0	10.0	61	186	0	10.0	61	186	0	10.0	62	186	0	10.0	62	186	0	10.0	62	186	90.0
30																																							
31	12/10/69		57-44				1	11.0	63	188	1	12.0	64	205	1	11.0	63	188	1	10.0	63	171	1	9.0	65	153	1	11.0	65	188	1	11.0	62	186	1	9.0	63	154	90.9