

COLDWATER RESERVOIR STUDY

RESERVOIR: UNION VALLEY RES. El Dorado

DATE: July 11, 1968

STATION: (1): 400 yds. off S. shore W of peninsula, 1/2 mi. E of dam.

Secchi disc transparency: 10.25 m; Time: 1000

Depth of photic zone: 41.0 m

Primary Productivity: 448 MgC/m²/day

10.9 MgC/m³/day

Depth(m)	Temp. (°C)	O ₂ (ppm)	Total alkalinity (ppm)	pH	TDS (ppm)
0	21.2	8.7	5.0	7.0	20.0
1	21.1				
2	21.1				
3	21.0				
4	21.0				
5	21.1		4.5	7.0	
6	21.4				
7	20.7				
8	20.3				
9	19.8				
10	18.8				
11	17.8				
12	16.9	10.3			
13	15.8				
14	14.7				
15	13.5		4.5	6.6	
16	12.8				
17	12.1				
18	11.5				
19	10.9				
20	10.1				
21					
22					
23					
24					
25	7.8				
26					
27					
28					
29					
30	7.1				

<u>Depth(m)</u>	<u>Temp. (°C)</u>	<u>O₂ (ppm)</u>	<u>Total alkalinity (ppm)</u>	<u>pH</u>	<u>TDS</u>
31					
32					
33					
34					
35	6.8				
36	6.7	9.5	4.5	6.4	
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	6.5				
51					
52					
53					
54					
55	6.4				
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					

Jim Richard

Reg. II

Coldwater Reservoir Studies

Planting Record

Union Valley Reservoir

Date	Strain or variety	Number	Size		Total weight (lbs)	Mark
			per oz	per lb		
May 27, 1970	RT-V x RT-II	45,865	1.6	24.8	1,849.4	D-RM
July 7, 1970	RT-KC x RT-S	45,807	8.5	136.0	336.8	D-Ad-RV
July 13, 1970	RT-S	47,480	5.9	95.0	499.8	D-Ad-LV
July 15, 1970	RT-KC	44,540	5.3	84.0	530.2	D-RV
July 16, 1970	Bn-M	37,180	11.0	176.0	211.3	-
		220,872			3,427.5	