

COLDWATER RESERVOIR STUDY

RESERVOIR: STUMPY MEADOWS RES. (Edson) El Dorado Co.

DATE: Sept. 6, 1968

STATION: (1): 75 yds. East of dam, in mid-channel

Secchi disc transparency: 12.0m; Time: 1015

Depth of photic zone: 48.0*m

Primary Productivity: 173 MgC/m²/day

3.74 MgC/m³/day

Depth(m)	Temp. (°C)	O ₂ (ppm)	Total alkalinity (ppm)	pH	TDS (ppm)
0	21.7	8.8	9.0	7.0	25.2
1	21.3				
2	21.1				
3	21.1				
4	21.0				
5	21.0	8.9	8.0	6.9	
6	21.0				
7	20.9				
8	20.9				
9	20.9				
10	19.7				
11	19.4				
12	19.0				
13	18.6				
14	18.2				
15	16.5	9.0	8.5	6.2	
16	14.1				
17	12.8				
18	11.6				
19	11.1				
20	10.6				
21	10.1				
22	9.3				
23	9.3				
24	9.3				
25	9.4				
26	9.4				
27	9.4	8.5	7.0	6.2	
28					
29					
30					

* Lowermost depth of photic zone exceeds maximum depth of reservoir