

Big Payette Lake: USGS Monitoring Results and Water-Quality Objectives

Year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Range and median concentration (milligrams per cubic meter) in lakewide euphotic zone during May through September											
Total Phosphorus	3 to 14 4.5	3 to 6 4.0	2 to 21 4.0	4 to 7 4	3 to 9 5.0	2 to 10 4.2	2 to 15 4.8	3 to 36 7.5	4 to 8 5.5	3 to 7 5.0	4 to 22 6.0
Chlorophyll-a	0.5 to 3.0 1.1	0.75 to 1.9 1.3	0.11 to 2.7 1.8	0.7 to 2.3 1.4	1.2 to 5.6 1.9	1.3 to 3.0 2.0	1.2 to 2.5 1.9	0.5 to 1.1 1.0	1.0 to 2.5 1.2	0.8 to 1.7 1.3	0.5 to 5.0 1.8
Overall mean-dissolved oxygen concentration (milligrams per liter) in southwest basin ¹ during June through September, depth zone from 200 foot depth to within 3 feet of lakebed											
Dissolved Oxygen	3.5	3.1	6.2	3.4	4.7	5.7	5.7	5.6	6.1	5.7	6.3
Dissolved-oxygen concentration less than 6 milligrams per liter above 200 foot depth in the southwest basin ¹ during June through September											
Dates and Depth Range (feet)	Aug. 5 194 to 200 Sept. 16 188 to 200	Jun. 24 July 22 Aug. 11 Sept. 1 185 to 200 Sept. 29 182 to 200	none	Aug. 22 Sept. 19 180 to 200	July 25 Aug. 29 Sept. 26 186 to 200	none	Sept. 23 180 to 200	none	Oct. 12 186 to 200	Sept. 19 180 to 200	Sept. 20 197 to 200

¹Station located at coordinates of 44 degrees 55 minutes 50 seconds North, 116 degrees 05 minutes 50 seconds West