

Table 3B-4. Water Quality Summary of Grant Lake Reservoir Outlet (1940-1991)

Variable	Units	Samples		Mean		Minimum		Maximum	
		LADWP	JSA	LADWP	JSA	LADWP	JSA	LADWP	JSA
Specific conductance	FS/cm	354	10	59	61	40	58	165	63
Total organic carbon	mg/l	2	10	0.9	2	0.8	ND	0.9	4
Color	units	351	10	6	5	0	ND	38	15
Turbidity	NTU	351	10	3.0	1	0.0	1	28	3
Total suspended solids	mg/l	0	10		4		ND		10
Total dissolved solids	mg/l	0	10		37		31		47
Alkalinity (as CaCO ₃)	mg/l	353	10	18	22	10	20	31	26
Hardness (as CaCO ₃)	mg/l	354	10	21	24	12	20	41	38
Calcium	mg/l	354	10	6.6	8	0.0	7	12	9
Magnesium	mg/l	353	10	1.0	1	0.0	1	5	1
Sodium	mg/l	354	10	2.7	2	0.0	2	10	3
Potassium	mg/l	345	10	0.7	1	0.0	1	4	1
Sulfate	mg/l	353	10	4.8	4	0.0	3	18	4
Chloride	mg/l	354	10	1.8	2	0.0	1	9.2	2
Silica	mg/l	352	10	6	6	1	5	20	7
Boron	mg/l	210	10	0.04	0	0.00	ND	0.33	0
Fluoride	mg/l	354	5	0.05	0	0.00	ND	0.40	ND
Bromide	mg/l	0	3		0		ND		ND
Ammonia (as N)	mg/l	0	10		0		ND		0
Total Kjeldahl nitrogen	mg/l	350	10	0.22	0	0.02	ND	0.96	ND
Nitrate (as N)	mg/l	342	10	0.06	0	0.00	ND	0.45	ND
Total phosphate	mg/l	0	10		0		ND		0
Dissolved phosphate	mg/l	174	0	0.025		0.000		0.490	
Silver	Fg/l	0	6		0		ND		ND
Aluminum	Fg/l	0	6		92		ND		230
Arsenic	Fg/l	90	6	10	ND	10	ND	20	ND
Barium	Fg/l	0	6		ND		ND		ND
Cadmium	Fg/l	0	6		0		ND		0
Chromium	Fg/l	0	6		ND		ND		ND
Copper	Fg/l	0	10		ND		ND		ND
Iron	Fg/l	353	10	38	45	0	ND	300	230
Mercury	Fg/l	0	6		ND		ND		ND
Manganese	Fg/l	0	10		13		ND		39
Lead	Fg/l	0	6		ND		ND		ND
Selenium	Fg/l	0	6		ND		ND		ND
Zinc	Fg/l	0	10		ND		ND		ND

Notes: LADWP sampling 1940-1990. Jones & Stokes Associates (JSA) sampling 1991.