

Table 2. Lake Almanor Phytoplankton

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
4/15/21	LA-02	diatoms	Fragilaria	0.545	545.3	92712.1
		diatoms	Cyclotella	0.000	0.0	0.0
		diatoms	Asterionella	4.211	4210.9	15706.8
		diatoms	Stephanodiscus	0.803	802.8	51058.4
		diatoms	Aulacoseira	0.727	727.1	67799.1
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.002	2.2	11.6
		greens	Gleococcus	0.000	0.0	0.0
		greens	Eudorina	0.000	0.0	0.0
		greens	Dictyosphaerium	0.000	0.0	0.0
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	0.000	0.0	0.0
		blue greens	Aphanazomenon	0.000	0.0	0.0
		dinoflagellates	Sphaerodinium	0.003	3.3	214.0
		yellow browns	Dinobryon	0.666	666.5	1752.2
4/15/21	LA-02 Total			6.958	6958.0	229254.2

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
4/15/21	LA-03	diatoms	Fragilaria	1.272	1272.4	235413.7
		diatoms	Cyclotella	0.000	0.0	0.0
		diatoms	Asterionella	11.860	11860.3	44238.9
		diatoms	Stephanodiscus	0.227	227.2	14450.5
		diatoms	Aulacoseira	0.545	545.3	46486.9
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.004	4.0	21.3
		greens	Gleococcus	0.000	0.0	0.0
		greens	Eudorina	0.000	0.0	0.0
		greens	Dictyosphaerium	0.000	0.0	0.0
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	0.000	0.0	0.0
		blue greens	Aphanazomenon	0.000	0.0	0.0
		dinoflagellates	Sphaerodinium	0.002	1.8	118.9
		yellow browns	Dinobryon	7.225	7225.2	18995.1
	LA-03 Total			21.136	21136.2	359725.2

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
7/15/21	LA-02	diatoms	Fragilaria	0.055	55.0	10174.9
		diatoms	Cyclotella	0.000	0.0	0.0
		diatoms	Asterionella	0.330	330.0	1230.7
		diatoms	Stephanodiscus	0.006	5.8	368.2
		diatoms	Aulacoseira	0.035	34.7	2961.0
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.000	0.2	1.2

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greens	Gleococcus	0.023	23.2	12.0
greens	Eudorina	0.000	0.0	0.0
greens	Dictyosphaerium	0.000	0.0	0.0
yellow greens	Tribonema	0.000	0.0	0.0
blue greens	Dolichospermum	0.000	0.2	21.6
blue greens	Aphanazomenon	0.000	0.0	0.0
blue greens	Lyngbya	0.006	5.8	3766.5
dinoflagellates	Sphaerodinium	0.000	0.5	30.3
yellow browns	Dinobryon	0.009	8.7	22.8
yellow browns	Ceratium	0.009	8.7	46.2
		0.473	472.7	18635.4

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
7/15/21	LA-03	diatoms	Fragilaria	0.050	49.6	6781.6
		diatoms	Cyclotella	0.000	0.0	0.0
		diatoms	Asterionella	0.025	24.8	92.5
		diatoms	Stephanodiscus	0.003	2.6	168.2
		diatoms	Aulacoseira	0.182	181.8	11496.8
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.001	0.7	3.5
		greens	Gleococcus	0.033	33.0	17.2
		greens	Eudorina	0.000	0.0	0.0
		greens	Dictyosphaerium	0.000	0.3	45.2
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	0.000	0.0	0.0
		blue greens	Aphanazomenon	0.000	0.0	0.0
		blue greens	Lyngbya	0.020	19.8	10981.6
		dinoflagellates	Sphaerodinium	0.000	0.3	21.6
		yellow browns	Dinobryon	0.003	3.3	8.7
		yellow browns	Ceratium	0.025	24.8	131.9
	LA-03 Total			0.341	341.1	29748.6

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
9/22/21	LA-02	diatoms	Fragilaria	0.105	104.9	17829.3
		diatoms	Cyclotella	0.010	10.5	30.4
		diatoms	Asterionella	0.063	62.9	234.7
		diatoms	Stephanodiscus	0.000	0.0	0.0
		diatoms	Aulacoseira	0.024	24.5	2154.7
		diatoms	Nitzschia	0.007	7.0	3.6
		greens	Staurastrum	0.001	0.7	3.7
		greens	Gleococcus	0.000	0.0	0.0
		greens	Volvox	0.000	0.1	1505.2
		greens	Dictyosphaerium	0.000	0.0	0.0

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yellow greens	Tribonema	0.000	0.0	0.0
blue greens	Dolichospermum	0.000	0.0	0.0
blue greens	Aphanazomenon	0.000	0.0	0.0
blue greens	Lyngbya	0.004	4.5	3184.0
dinoflagellates	Sphaerodinium	0.000	0.1	9.2
yellow browns	Dinobryon	0.045	45.4	119.5
yellow browns	Ceratium	0.000	0.0	0.0
LA-02 Total		0.261	260.6	25074.3

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
9/22/21	LA-03	diatoms	Fragilaria	0.248	247.9	42141.9
		diatoms	Cyclotella	0.028	27.5	79.9
		diatoms	Asterionella	0.220	220.3	821.8
		diatoms	Stephanodiscus	0.028	27.5	1751.6
		diatoms	Aulacoseira	1.652	1652.4	124758.4
		diatoms	Nitzschia	0.014	13.8	7.2
		greens	Staurastrum	0.000	0.0	0.0
		greens	Gleococcus	0.069	68.9	35.8
		greens	Volvox	0.005	5.0	53367.2
		greens	Dictyosphaerium	0.000	0.0	0.0
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	0.083	82.6	7700.3
		blue greens	Aphanazomenon	0.000	0.0	0.0
		blue greens	Lyngbya	0.000	0.0	0.0
		dinoflagellates	Sphaerodinium	0.014	13.8	902.0
		yellow browns	Dinobryon	0.606	605.9	1592.9
		yellow browns	Ceratium	0.000	0.0	0.0
	LA-03 Total			2.966	2965.6	233158.9

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
11/8/21	LA-02	diatoms	Fragilaria	0.355	355.0	65684.7
		diatoms	Cyclotella	0.213	213.0	617.7
		diatoms	Asterionella	1.903	1902.9	7097.7
		diatoms	Stephanodiscus	0.000	0.0	0.0
		diatoms	Aulacoseira	0.284	284.0	16915.7
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.000	0.1	0.6
		greens	Gleococcus	0.014	14.2	7.4
		greens	Volvox	0.001	1.1	12230.0
		greens	Dictyosphaerium	0.000	0.0	0.0
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	0.000	0.0	0.0
		blue greens	Aphanazomenon	0.114	113.6	426.2

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blue greens	Lyngbya	0.000	0.0	0.0
dinoflagellates	Sphaerodinium	0.000	0.5	29.8
yellow browns	Dinobryon	0.000	0.0	0.0
yellow browns	Ceratium	0.000	0.0	0.0
LA-02 Total		2.884	2884.4	103009.9

Date	Location	Common name	Genus	#/mL lake	#/L lake	vol, μ 3/mL
11/8/21	LA-03	diatoms	Fragilaria	0.000	0.0	0.0
		diatoms	Cyclotella	0.000	0.0	0.0
		diatoms	Asterionella	0.036	36.4	135.6
		diatoms	Stephanodiscus	0.000	0.0	0.0
		diatoms	Aulacoseira	0.000	0.0	0.0
		diatoms	Nitzschia	0.000	0.0	0.0
		greens	Staurastrum	0.000	0.0	0.0
		greens	Gleococcus	0.000	0.0	0.0
		greens	Volvox	0.000	0.0	0.0
		greens	Dictyosphaerium	0.000	0.0	0.0
		yellow greens	Tribonema	0.000	0.0	0.0
		blue greens	Dolichospermum	34.899	34899.4	3252620.5
		blue greens	Aphanazomenon	25.902	25901.9	97183.8
		blue greens	Lyngbya	0.000	0.0	0.0
		dinoflagellates	Sphaerodinium	0.000	0.0	0.0
		yellow browns	Dinobryon	0.000	0.0	0.0
		yellow browns	Ceratium	0.000	0.0	0.0
	LA-03 Total			60.838	60837.6	3349939.9