

### Phytoplankton Sample Analysis

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 28-May-25 10:02 AM



**Total Density (#/mL):** 1,017  
**Total Biovolume (um<sup>3</sup>/mL):** 218,879  
**Trophic State Index:** 38.9

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Rhodomonas minuta	494	48.5	9,870	4.5	cryptophyte
2 Cryptomonas erosa	228	22.4	118,444	54.1	cryptophyte
3 Oocystis pusilla	129	12.7	27,880	12.7	green
4 Ankistrodesmus falcatus	114	11.2	2,847	1.3	green
5 Oocystis lacustris	23	2.2	7,107	3.2	green
6 Cyclotella comta	15	1.5	51,706	23.6	diatom
7 Crucigenia quadrata	8	0.7	645	0.3	green
8 Achnanthes minutissima	8	0.7	380	0.2	diatom

**Aquatic Analysts**

**Sample ID:** YR83

### Phytoplankton Sample Analysis

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 28-May-25 722



**Total Density (#/mL):** 1,392  
**Total Biovolume (um<sup>3</sup>/mL):** 403,049  
**Trophic State Index:** 43.3

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	646	46.4	139,509	34.6	green
2 Rhodomonas minuta	312	22.4	6,236	1.5	cryptophyte
3 Sphaerocystis schroeteri	178	12.8	74,833	18.6	green
4 Ankistrodesmus falcatus	100	7.2	2,506	0.6	green
5 Cryptomonas erosa	56	4.0	28,953	7.2	cryptophyte
6 Oocystis lacustris	22	1.6	1,737	0.4	green
7 Cyclotella comta	22	1.6	50,557	12.5	diatom
8 Selenastrum minutum	11	0.8	445	0.1	green
9 Synedra radians	11	0.8	4,009	1.0	diatom
10 Navicula cryptocephala	11	0.8	2,060	0.5	diatom
11 Nitzschia acicularis	11	0.8	3,118	0.8	diatom
12 Stephanodiscus niagarae	11	0.8	89,086	22.1	diatom

**Aquatic Analysts**

**Sample ID:** YR84

### Phytoplankton Sample Analysis

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 11-Jun-25 9:52 AM



**Total Density (#/mL):** 520  
**Total Biovolume (um<sup>3</sup>/mL):** 261,566  
**Trophic State Index:** 40.2

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	244	47.0	48,836	18.7	green
2 Cryptomonas erosa	55	10.6	28,700	11.0	cryptophyte
3 Oocystis lacustris	55	10.6	12,485	4.8	green
4 Ankistrodesmus falcatus	51	9.8	1,281	0.5	green
5 Sphaerocystis Schroeteri	35	6.8	28,562	10.9	green
6 Rhodomonas minuta	24	4.5	473	0.2	cryptophyte
7 Cyclotella comta	20	3.8	44,745	17.1	diatom
8 Achnanthes minutissima	12	2.3	591	0.2	diatom
9 Anabaena flos-aquae	8	1.5	89,806	34.3	bluegreen
10 Fragilaria construens	4	0.8	442	0.2	diatom
11 Nitzschia capitellata	4	0.8	1,419	0.5	diatom
12 Navicula decussis	4	0.8	757	0.3	diatom
13 Asterionella formosa	4	0.8	3,469	1.3	diatom

Anabaena flos-aquae cells/mL = 1,340

Aquatic Analysts

Sample ID: YR85

### Phytoplankton Sample Analysis

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 11-Jun-25 7:10 AM



**Total Density (#/mL):** 1,260  
**Total Biovolume (um<sup>3</sup>/mL):** 533,033  
**Trophic State Index:** 45.3

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	548	43.5	124,307	23.3	green
2 Rhodomonas minuta	327	26.0	6,549	1.2	cryptophyte
3 Cryptomonas erosa	157	12.4	81,431	15.3	cryptophyte
4 Ankistrodesmus falcatus	71	5.6	1,780	0.3	green
5 Sphaerocystis Schroeteri	50	4.0	14,998	2.8	green
6 Oocystis lacustris	28	2.3	5,552	1.0	green
7 Fragilaria crotonensis	14	1.1	239,167	44.9	diatom
8 Anabaena flos-aquae	14	1.1	28,615	5.4	bluegreen
9 Microcystis aeruginosa	7	0.6	17,083	3.2	bluegreen

10 Melosira ambigua	7	0.6	4,193	0.8	diatom
11 Synedra radians	7	0.6	2,563	0.5	diatom
12 Chlamydomonas sp.	7	0.6	2,313	0.4	green
13 Dinobryon sertularia	7	0.6	854	0.2	chrysophyte
14 Achnanthes minutissima	7	0.6	356	0.1	diatom
15 Cocconeis placentula	7	0.6	3,274	0.6	diatom

Microcystis aeruginosa cells/mL = 2,135

Anabaena flos-aquae cells/mL = 427

**Aquatic Analysts**

**Sample ID:** YR86

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 25-Jun-25 11:07 AM



**Total Density (#/mL):** 870  
**Total Biovolume (um<sup>3</sup>/mL):** 536,846  
**Trophic State Index:** 45.4

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	298	34.3	41,903	7.8	green
2 Rhodomonas minuta	282	32.4	5,638	1.1	cryptophyte
3 Cyclotella comta	66	7.6	150,554	28.0	diatom
4 Oocystis lacustris	50	5.7	5,044	0.9	green
5 Cryptomonas erosa	41	4.8	21,555	4.0	cryptophyte
6 Melosira ambigua	25	2.9	131,843	24.6	diatom
7 Sphaerocystis schroeteri	25	2.9	23,503	4.4	green
8 Fragilaria construens venter	17	1.9	4,775	0.9	diatom
9 Cymbella affinis	8	1.0	14,923	2.8	diatom
10 Pediatrum boryanum	8	1.0	1,658	0.3	green
11 Navicula pupula	8	1.0	2,238	0.4	diatom
12 Pediatrum duplex	8	1.0	4,510	0.8	green
13 Navicula radiosa	8	1.0	32,333	6.0	diatom
14 Stephanodiscus niagarae	8	1.0	66,324	12.4	diatom
15 Crucigenia quadrata	8	1.0	28,188	5.3	green
16 Fragilaria construens	8	1.0	1,857	0.3	diatom

**Aquatic Analysts**

**Sample ID:** YR87

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 25-Jun-25 8:16 AM



**Total Density (#/mL):** 530  
**Total Biovolume (um<sup>3</sup>/mL):** 246,825  
**Trophic State Index:** 39.8

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	257	48.5	34,752	14.1	green
2 Rhodomonas minuta	170	32.0	3,398	1.4	cryptophyte
3 Cryptomonas erosa	21	3.9	10,709	4.3	cryptophyte
4 Achnanthes minutissima	15	2.9	772	0.3	diatom
5 Chlamydomonas sp.	10	1.9	3,346	1.4	green
6 Crucigenia quadrata	10	1.9	875	0.4	green
7 Fragilaria crotonensis	10	1.9	172,986	70.1	diatom
8 Ankistrodesmus falcatus	10	1.9	257	0.1	green
9 Gomphonema angustatum	5	1.0	927	0.4	diatom
10 Oocystis lacustris	5	1.0	1,606	0.7	green
11 Scenedesmus quadricauda	5	1.0	2,677	1.1	green
12 Cyclotella comta	5	1.0	11,687	4.7	diatom
13 Melosira granulata	5	1.0	2,832	1.1	diatom

**Aquatic Analysts**

**Sample ID: YR88**

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 9-Jul-25 10:41 AM



**Total Density (#/mL):** 568  
**Total Biovolume (um<sup>3</sup>/mL):** 256,585  
**Trophic State Index:** 40.1

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Rhodomonas minuta	294	51.8	5,883	2.3	cryptophyte
2 Cryptomonas erosa	106	18.7	55,231	21.5	cryptophyte
3 Oocystis pusilla	69	12.2	11,250	4.4	green
4 Oocystis lacustris	12	2.2	1,243	0.5	green
5 Anabaena flos-aquae	12	2.2	8,211	3.2	bluegreen
6 Sphaerocystis schroeteri	12	2.2	6,863	2.7	green
7 Cyclotella comta	12	2.2	27,820	10.8	diatom
8 Ankistrodesmus falcatus	8	1.4	551	0.2	green
9 Ceratium hirundinella	8	1.4	80,069	31.2	dinoflagellate
10 Melosira granulata	4	0.7	8,987	3.5	diatom
11 Fragilaria crotonensis	4	0.7	13,726	5.3	diatom
12 Microcystis aeruginosa	4	0.7	654	0.3	bluegreen
13 Stephanodiscus niagarae	4	0.7	32,681	12.7	diatom
14 Achnanthes minutissima	4	0.7	204	0.1	diatom
15 Asterionella formosa	4	0.7	899	0.4	diatom
16 Closteriopsis longissima	4	0.7	1,454	0.6	green
17 Cosmarium sp.	4	0.7	858	0.3	green
Anabaena flos-aquae cells/mL =	123				
Microcystis aeruginosa cells/mL =	82				

**Aquatic Analysts**

**Sample ID: YR89**

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 9-Jul-25 7:30 AM



**Total Density (#/mL):** 299  
**Total Biovolume (um<sup>3</sup>/mL):** 130,873  
**Trophic State Index:** 35.2

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	69	23.0	10,403	7.9	green
2 Ankistrodesmus falcatus	41	13.8	1,135	0.9	green
3 Rhodomonas minuta	31	10.3	619	0.5	cryptophyte
4 Sphaerocystis Schroeteri	31	10.3	8,669	6.6	green
5 Cryptomonas erosa	24	8.0	12,522	9.6	cryptophyte
6 Microcystis aeruginosa	14	4.6	2,532	1.9	bluegreen
7 Anabaena flos-aquae	14	4.6	23,049	17.6	bluegreen
8 Fragilaria construens	14	4.6	4,624	3.5	diatom
9 Melosira ambigua	10	3.4	42,551	32.5	diatom
10 Fragilaria construens venter	7	2.3	330	0.3	diatom
11 Cocconeis placentula	3	1.1	1,582	1.2	diatom
12 Nitzschia palea	3	1.1	619	0.5	diatom
13 Cosmarium sp.	3	1.1	722	0.6	green
14 Pediculus boryanum	3	1.1	688	0.5	green
15 Aphanizomenon flos-aquae	3	1.1	4,335	3.3	bluegreen
16 Achnanthes minutissima	3	1.1	172	0.1	diatom
17 Navicula cryptocephala	3	1.1	636	0.5	diatom
18 Achnanthes lanceolata	3	1.1	619	0.5	diatom
19 Scenedesmus quadricauda	3	1.1	894	0.7	green
20 Cyclotella comta	3	1.1	7,809	6.0	diatom
21 Chlamydomonas sp.	3	1.1	1,118	0.9	green
22 Anabaena planctonica	3	1.1	5,036	3.8	bluegreen
23 Fragilaria pinnata	3	1.1	206	0.2	diatom

Aphanizomenon flos-aquae cells/mL = 69  
 Microcystis aeruginosa cells/mL = 316  
 Anabaena flos-aquae cells/mL = 344  
 Anabaena planctonica cells/mL = 28

Aquatic Analysts

Sample ID: YR90

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 23-Jul-25 10:32 AM



**Total Density (#/mL):** 1,001  
**Total Biovolume (um<sup>3</sup>/mL):** 213,071  
**Trophic State Index:** 38.7

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Rhodomonas minuta	736	73.6	14,729	6.9	cryptophyte
2 Cryptomonas erosa	117	11.7	60,743	28.5	cryptophyte
3 Ankistrodesmus falcatus	51	5.1	1,524	0.7	green
4 Oocystis pusilla	30	3.0	6,089	2.9	green
5 Cyclotella comta	10	1.0	23,058	10.8	diatom
6 Scenedesmus quadricauda	10	1.0	5,282	2.5	green
7 Anabaena flos-aquae	10	1.0	17,014	8.0	bluegreen
8 Selenastrum minutum	5	0.5	102	0.0	green
9 Sphaerocystis Schroeteri	5	0.5	1,422	0.7	green
10 Microcystis aeruginosa	5	0.5	8,126	3.8	bluegreen
11 Chroococcus minimus	5	0.5	569	0.3	bluegreen
12 Melosira granulata	5	0.5	22,347	10.5	diatom
13 Cymbella cymbiformes	5	0.5	48,868	22.9	diatom
14 Aphanizomenon flos-aquae	5	0.5	3,200	1.5	bluegreen

Microcystis aeruginosa cells/mL = 1,016  
 Anabaena flos-aquae cells/mL = 254  
 Aphanizomenon flos-aquae cells/mL = 51

**Aquatic Analysts**

Sample ID: BL01

**Phytoplankton Sample Analysis**

Sample: Moses Lake  
 Sample Site: TS-11  
 Sample Depth: 0.5 meters  
 Sample Date: 23-Jul-25 8:54 AM



Total Density (#/mL): 1,126  
 Total Biovolume (um<sup>3</sup>/mL): 260,852  
 Trophic State Index: 40.2

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Rhodomonas minuta	753	66.9	15,066	5.8	cryptophyte
2 Cryptomonas erosa	99	8.8	51,656	19.8	cryptophyte
3 Ankistrodesmus falcatus	75	6.6	1,863	0.7	green
4 Oocystis pusilla	41	3.7	8,046	3.1	green
5 Scenedesmus quadricauda	25	2.2	4,359	1.7	green
6 Selenastrum minutum	25	2.2	646	0.2	green
7 Asterionella formosa	25	2.2	5,464	2.1	diatom
8 Microcystis aeruginosa	17	1.5	3,046	1.2	bluegreen
9 Fragilaria crotonensis	17	1.5	34,769	13.3	diatom
10 Botryococcus braunii	8	0.7	47,683	18.3	green
11 Achnanthes minutissima	8	0.7	414	0.2	diatom
12 Anabaena flos-aquae	8	0.7	4,437	1.7	bluegreen
13 Stephanodiscus niagarae	8	0.7	66,226	25.4	diatom
14 Synedra ulna	8	0.7	16,474	6.3	diatom
15 Crucigenia quadrata	8	0.7	704	0.3	green

Microcystis aeruginosa cells/mL = 381

Anabaena flos-aquae cells/mL = 66

**Aquatic Analysts**

**Sample ID:** BL02

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 6-Aug-25 10:08 AM



**Total Density (#/mL):** 367  
**Total Biovolume (um<sup>3</sup>/mL):** 92,121  
**Trophic State Index:** 32.7

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Rhodomonas minuta	153	41.8	3,067	3.3	cryptophyte
2 Cryptomonas erosa	72	19.7	37,523	40.7	cryptophyte
3 Microcystis aeruginosa	66	18.0	14,288	15.5	bluegreen
4 Sphaerocystis Schroeteri	24	6.6	8,419	9.1	green
5 Ankistrodesmus falcatus	15	4.1	376	0.4	green
6 Aphanizomenon flos-aquae	12	3.3	16,669	18.1	bluegreen
7 Oocystis pusilla	6	1.6	1,299	1.4	green
8 Nitzschia paleacea	3	0.8	295	0.3	diatom
9 Cyclotella comta	3	0.8	6,825	7.4	diatom
10 Asterionella formosa	3	0.8	661	0.7	diatom
11 Achnanthes minutissima	3	0.8	150	0.2	diatom
12 Chroococcus minimus	3	0.8	1,347	1.5	bluegreen
13 Scenedesmus sp.	3	0.8	1,203	1.3	green

Microcystis aeruginosa cells/mL = 1,786

Aphanizomenon flos-aquae cells/mL = 265

**Aquatic Analysts**

**Sample ID:** BL03

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 6-Aug-25 7:55 AM



**Total Density (#/mL):** 454  
**Total Biovolume (um<sup>3</sup>/mL):** 308,755  
**Trophic State Index:** 41.4

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
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1	Microcystis aeruginosa	99	21.9	34,945	11.3	bluegreen
2	Cryptomonas erosa	71	15.6	36,874	11.9	cryptophyte
3	Oocystis pusilla	61	13.5	11,615	3.8	green
4	Sphaerocystis schroeteri	57	12.5	23,826	7.7	green
5	Scenedesmus quadricauda	38	8.3	14,750	4.8	green
6	Cyclotella comta	19	4.2	42,925	13.9	diatom
7	Rhodomonas minuta	14	3.1	284	0.1	cryptophyte
8	Asterionella formosa	14	3.1	3,120	1.0	diatom
9	Synedra radians	9	2.1	3,404	1.1	diatom
10	Ceratium hirundinella	9	2.1	92,658	30.0	dinoflagellate
11	Nitzschia palea	5	1.0	851	0.3	diatom
12	Melosira granulata	5	1.0	2,600	0.8	diatom
13	Ankistrodesmus falcatus	5	1.0	118	0.0	green
14	Fragilaria brevistriata	5	1.0	780	0.3	diatom
15	Crucigenia quadrata	5	1.0	402	0.1	green
16	Anabaena flos-aquae	5	1.0	5,701	1.8	bluegreen
17	Selenastrum minutum	5	1.0	95	0.0	green
18	Fragilaria construens	5	1.0	529	0.2	diatom
19	Tetraedron regulare	5	1.0	544	0.2	green
20	Fragilaria crotonensis	5	1.0	23,826	7.7	diatom
21	Pediastrum boryanum	5	1.0	1,891	0.6	green
22	Aphanizomenon flos-aquae	5	1.0	5,957	1.9	bluegreen
23	Chroococcus minimus	5	1.0	1,059	0.3	bluegreen

Microcystis aeruginosa cells/mL = 4,368

Anabaena flos-aquae cells/mL = 85

Aphanizomenon flos-aquae cells/mL = 95

#### Aquatic Analysts

Sample ID: BL04

#### Phytoplankton Sample Analysis

Sample: Moses Lake  
 Sample Site: TS-6  
 Sample Depth: 0.5 meters  
 Sample Date: 20-Aug-25 8:54 AM



Total Density (#/mL): 2,400  
 Total Biovolume (um<sup>3</sup>/mL): 2,297,252  
 Trophic State Index: 55.8

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group	
1	Microcystis aeruginosa	1,156	48.2	11,102	0.5	bluegreen
2	Rhodomonas minuta	737	30.7	14,744	0.6	cryptophyte
3	Cryptomonas erosa	159	6.6	82,683	3.6	cryptophyte
4	Ankistrodesmus falcatus	101	4.2	2,530	0.1	green
5	Aphanizomenon flos-aquae	87	3.6	81,961	3.6	bluegreen
6	Fragilaria crotonensis	58	2.4	2,039,908	88.8	diatom
7	Aphanothece sp.	43	1.8	13,010	0.6	bluegreen
8	Anabaena flos-aquae	14	0.6	29,055	1.3	bluegreen
9	Oscillatoria limosa	14	0.6	17,924	0.8	bluegreen

10 Sphaerocystis schroeteri	14	0.6	4,047	0.2	green
11 Selenastrum minutum	14	0.6	289	0.0	green
Microcystis aeruginosa cells/mL =	1,388				
Aphanizomenon flos-aquae cells/mL =	1,301				
Anabaena flos-aquae cells/mL =	434				
Oscillatoria limosa cells/mL =	289				

**Aquatic Analysts**

**Sample ID:** BL05

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 20-Aug-25 7:30 AM



**Total Density (#/mL):** 988  
**Total Biovolume (um<sup>3</sup>/mL):** 352,239  
**Trophic State Index:** 42.3

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Oocystis pusilla	241	24.4	49,426	14.0	green
2 Microcystis aeruginosa	199	20.2	70,167	19.9	bluegreen
3 Rhodomonas minuta	174	17.6	3,488	1.0	cryptophyte
4 Ankistrodesmus falcatus	91	9.2	2,512	0.7	green
5 Cryptomonas erosa	83	8.4	43,190	12.3	cryptophyte
6 Scenedesmus quadricauda	58	5.9	18,895	5.4	green
7 Crucigenia quadrata	25	2.5	2,118	0.6	green
8 Sphaerocystis schroeteri	25	2.5	13,954	4.0	green
9 Chroococcus minimus	17	1.7	1,395	0.4	bluegreen
10 Oscillatoria limosa	17	1.7	30,897	8.8	bluegreen
11 Melosira ambigua	17	1.7	78,273	22.2	diatom
12 Anabaena flos-aquae	17	1.7	15,582	4.4	bluegreen
13 Selenastrum minutum	8	0.8	166	0.0	green
14 Cyclotella comta	8	0.8	18,854	5.4	diatom
15 Cymbella muelleri	8	0.8	3,322	0.9	diatom

Microcystis aeruginosa cells/mL = 8,771  
Oscillatoria limosa cells/mL = 498  
Anabaena flos-aquae cells/mL = 233

**Aquatic Analysts**

**Sample ID:** BL06

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-6  
**Sample Depth:** 0.5 meters  
**Sample Date:** 3-Sep-25 9:08 AM



**Total Density (#/mL):** 797  
**Total Biovolume (um<sup>3</sup>/mL):** 520,043  
**Trophic State Index:** 45.1

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Cryptomonas erosa	193	24.2	100,509	19.3	cryptophyte
2 Rhodomonas minuta	145	18.2	2,899	0.6	cryptophyte
3 Sphaerocystis schroeteri	72	9.1	17,758	3.4	green
4 Oocystis pusilla	64	8.1	15,656	3.0	green
5 Microcystis aeruginosa	56	7.1	29,766	5.7	bluegreen
6 Chroococcus minimus	48	6.1	4,736	0.9	bluegreen
7 Chlamydomonas sp.	32	4.0	10,470	2.0	green
8 Fragilaria construens venter	24	3.0	1,160	0.2	diatom
9 Asterionella formosa	16	2.0	3,544	0.7	diatom
10 Anabaena flos-aquae	16	2.0	37,771	7.3	bluegreen
11 Ankistrodesmus falcatus	16	2.0	604	0.1	green
12 Nitzschia frustulum	16	2.0	1,933	0.4	diatom
13 Scenedesmus quadricauda	8	1.0	4,188	0.8	green
14 Nitzschia linearis	8	1.0	12,274	2.4	diatom
15 Cocconeis placentula	8	1.0	3,705	0.7	diatom
16 Fragilaria construens	8	1.0	902	0.2	diatom
17 Navicula cryptocephala	8	1.0	1,490	0.3	diatom
18 Fragilaria crotonensis	8	1.0	162,360	31.2	diatom
19 Navicula tripunctata	8	1.0	9,020	1.7	diatom
20 Ceratium hirundinella	8	1.0	78,925	15.2	dinoflagellate
21 Cyclotella meneghiniana	8	1.0	3,060	0.6	diatom
22 Achnanthes minutissima	8	1.0	403	0.1	diatom
23 Aphanothece sp.	8	1.0	2,416	0.5	bluegreen
24 Cymbella affinis	8	1.0	14,496	2.8	diatom

Microcystis aeruginosa cells/mL = 3,721  
 Anabaena flos-aquae cells/mL = 564

**Aquatic Analysts**

Sample ID: BL07

**Phytoplankton Sample Analysis**

**Sample:** Moses Lake  
**Sample Site:** TS-11  
**Sample Depth:** 0.5 meters  
**Sample Date:** 3-Sep-25 7:42 AM



**Total Density (#/mL):** 423  
**Total Biovolume (um<sup>3</sup>/mL):** 309,165  
**Trophic State Index:** 41.4

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Cryptomonas erosa	69	16.3	35,784	11.6	cryptophyte
2 Scenedesmus quadricauda	64	15.0	18,580	6.0	green
3 Microcystis aeruginosa	48	11.3	32,777	10.6	bluegreen
4 Oocystis pusilla	42	10.0	9,147	3.0	green
5 Ankistrodesmus falcatus	32	7.5	794	0.3	green

6	Chroococcus minimus	32	7.5	2,223	0.7	bluegreen
7	Rhodomonas minuta	21	5.0	423	0.1	cryptophyte
8	Oscillatoria limosa	21	5.0	39,383	12.7	bluegreen
9	Aphanizomenon flos-aquae	16	3.7	13,006	4.2	bluegreen
10	Crucigenia quadrata	16	3.7	3,105	1.0	green
11	Anabaena flos-aquae	16	3.7	21,280	6.9	bluegreen
12	Sphaerocystis Schroeteri	11	2.5	1,482	0.5	green
13	Fragilaria crotonensis	11	2.5	31,125	10.1	diatom
14	Aphanothece sp.	11	2.5	2,858	0.9	bluegreen
15	Stephanodiscus niagarae	5	1.3	42,347	13.7	diatom
16	Anabaena planctonica	5	1.3	17,437	5.6	bluegreen
17	Melosira ambigua	5	1.3	37,414	12.1	diatom

Aphanizomenon flos-aquae cells/mL =	206
Microcystis aeruginosa cells/mL =	4,097
Oscillatoria limosa cells/mL =	635
Anabaena flos-aquae cells/mL =	318
Anabaena planctonica cells/mL =	95

**Aquatic Analysts**

Sample ID: BL08

**Phytoplankton Sample Analysis**

Sample: Moses Lake  
 Sample Site: TS-6  
 Sample Depth: 0.5 meters  
 Sample Date: 17-Sep-25 8:37 AM



Total Density (#/mL):	711
Total Biovolume (um <sup>3</sup> /mL):	1,972,557
Trophic State Index:	54.7

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Cryptomonas erosa	295	41.5	153,555	7.8	cryptophyte
2 Fragilaria crotonensis	81	11.3	1,555,950	78.9	diatom
3 Oocystis pusilla	60	8.5	11,090	0.6	green
4 Rhodomonas minuta	47	6.6	940	0.0	cryptophyte
5 Microcystis aeruginosa	40	5.7	14,174	0.7	bluegreen
6 Ankistrodesmus falcatus	34	4.7	1,007	0.1	green
7 Sphaerocystis Schroeteri	27	3.8	10,335	0.5	green
8 Scenedesmus quadricauda	27	3.8	12,215	0.6	green
9 Melosira granulata	27	3.8	118,119	6.0	diatom
10 Cyclotella comta	13	1.9	30,469	1.5	diatom
11 Oscillatoria limosa	13	1.9	8,322	0.4	bluegreen
12 Aphanothece sp.	7	0.9	805	0.0	bluegreen
13 Crucigenia quadrata	7	0.9	1,141	0.1	green
14 Navicula cryptocephala	7	0.9	1,242	0.1	diatom
15 Elakatothrix gelatinosa	7	0.9	846	0.0	green
16 Fragilaria construens venter	7	0.9	1,289	0.1	diatom
17 Staurastrum gracile	7	0.9	3,624	0.2	green
18 Melosira ambigua	7	0.9	47,436	2.4	diatom

Microcystis aeruginosa cells/mL =	1,772
Oscillatoria limosa cells/mL =	134

Phytoplankton Sample Analysis

Sample: Moses Lake  
 Sample Site: TS-11  
 Sample Depth: 0.5 meters  
 Sample Date: 17-Sep-25 7:20 AM



Total Density (#/mL): 746  
 Total Biovolume (um<sup>3</sup>/mL): 532,517  
 Trophic State Index: 45.3

Species	Density #/mL	Density Percent	Biovolume um <sup>3</sup> /mL	Biovolume Percent	Group
1 Microcystis aeruginosa	235	31.5	52,617	9.9	bluegreen
2 Cryptomonas erosa	117	15.7	61,073	11.5	cryptophyte
3 Oocystis pusilla	90	12.0	22,310	4.2	green
4 Scenedesmus quadricauda	83	11.1	32,333	6.1	green
5 Aphanothece sp.	28	3.7	7,461	1.4	bluegreen
6 Sphaerocystis Schroeteri	28	3.7	9,672	1.8	green
7 Ankistrodesmus falcatus	28	3.7	1,244	0.2	green
8 Melosira granulata	21	2.8	56,997	10.7	diatom
9 Crucigenia quadrata	21	2.8	10,570	2.0	green
10 Fragilaria crotonensis	14	1.9	58,033	10.9	diatom
11 Asterionella formosa	14	1.9	3,040	0.6	diatom
12 Fragilaria construens venter	7	0.9	1,658	0.3	diatom
13 Melosira ambigua	7	0.9	97,661	18.3	diatom
14 Nitzschia frustulum	7	0.9	829	0.2	diatom
15 Navicula mutica	7	0.9	380	0.1	diatom
16 Anabaena flos-aquae	7	0.9	23,144	4.3	bluegreen
17 Cyclotella comta	7	0.9	15,683	2.9	diatom
18 Chlamydomonas sp.	7	0.9	2,245	0.4	green
19 Stephanodiscus niagarae	7	0.9	55,270	10.4	diatom
20 Melosira italica	7	0.9	19,524	3.7	diatom
21 Fragilaria construens	7	0.9	774	0.1	diatom

Microcystis aeruginosa cells/mL = 6,577  
 Anabaena flos-aquae cells/mL = 345