

LIMNOLOGY DATA

Lake Name Jumbo Personnel BJ CF Date 04/11/18Military Time 1140 Station array Max depth at station 5.9 mSecchi (m): 1st 0.55 2nd 0.5 Avg 0.52 Weather overcast, lgs W 10-15 mphConductivity 1718 TDS 1.2 Salinity 1.06 ppt Turbidity 8.92 pH

Depth (m)	Temp (°C)	D.O. (mg/L)	
0	8.5	12.32	
1	8.3	12.4	
2	8.3	12.39	
3	8.3	12.38	
4	8.2	12.27	
5	8.2	12.18	
6	8.0	11.96	
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Depth (m)	Temp (°C)	D.O. (mg/L)	
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COMMENTS:

Temp logger array deployed 11:45 at 13T 0697 0698251 4537560 6.0 m
4534crayfish traps were set w/ cat food 12:00 - 5:00 pm, none caught
probably must set overnight to get them?

ZOOPLANKTON SAMPLING DATA

Lake Name Jumbo Personnel BJ CF Date 04-11-18
 Gear: Wisc. net Clarke-Bumpus Other: _____ Mesh (μ m): 53 Other _____
 Station Name array Station Number 1 Max Depth at Station 5.9 m
 Comments two ~~0-5 M~~ hauls 4% SBF

Field data		Counts by Aliquot	Zooplankton Taxa									
Sample no.												
Stratum (m)												
Mil. time												
Final revs												
Start revs												
Total revs												
Liters sampled		Aliq. 1										
Dilution (ml)		Aliq. 2										
Conc. factor		Aliq. 3										

Field data		Counts by Aliquot	Zooplankton Taxa									
Sample no.												
Stratum (m)												
Mil. time												
Final revs												
Start revs												
Total revs												
Liters sampled		Aliq. 1										
Dilution (ml)		Aliq. 2										
Conc. factor		Aliq. 3										

COMMENTS:

we also did a 10-minute surface tow w/ 500um 1/2m net for
 1) isotope sample on ice
 2) subsample to 1D (4% SBF)

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel CF BP Date 5 / 22 / 18

Military Time 10:22 Station 5 Max Depth at Station 5.9 m

Secchi (m): 1st: 5.8 2nd: 5.75 Mean: _____ Weather Light Breeze, Hazy, Humid

Conductivity 1531 (uS/cm) Turbidity 1.76 / 1.70 (NTU) pH 8.10
 Salt 1.07 TDS 1.08

Depth (m)	Temp (°C)	D.O. (mg/L)	Light
Surface	<u>17.6</u>	<u>6.08</u>	
1	<u>17.4</u>	<u>6.05</u>	
2	<u>17.3</u>	<u>6.01</u>	
3	<u>17.2</u>	<u>5.93</u>	
4	<u>17.1</u>	<u>5.81</u>	
5	<u>16.7</u>	<u>5.64</u>	
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Depth (m)	Temp (°C)	D.O. (mg/L)	Light
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Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m

Comments:

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel Collin, James, Becht, Date 18 Jun / 18

Military Time 12:55 **Station** Jun02 **Max Depth at Station** 4.6 m

Secchi (m): 1st: .9 2nd: .85 Mean: .875 Weather overcast

Conductivity 1.503 (uS/cm) Turbidity 11.8 (NTU) pH 8.38

Depth (m)	Temp (°C)	D.O. (mg/L)	Light
Surface	23	6.25	
1	23	6.17	
2	22.9	6.14	
3	22.6	5.58	
4	22.5	5.68	
4.5-5	22.2	5.89	
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Depth (m)	Temp (°C)	D.O. (mg/L)	Light
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Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m

Comments:

Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel CF JG Date 7 / 11 / 18

Military Time 15:00 Station JumOS Max Depth at Station 5.4 m

Secchi (m): 1st: 0.5 2nd: 0.5 Mean: .5 Weather Sunny 100°F Breezy

Conductivity 1522 (uS/cm) Turbidity 16.8 (NTU) pH 4.68

PS: 1.08
PPT

Salt: 1.07
PPT

Depth (m)	Temp (°C)	D.O. (mg/L)	Light
Surface	25.5	8.90	
1	25.3	8.94	
2	25.3	8.92	
3	25.2	8.92	
4	25.2	8.95	
5	25.2	8.95	
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Depth (m)	Temp (°C)	D.O. (mg/L)	Light
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Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m

Comments:

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel CF JG Date 8 / 14 / 18

Military Time 1216 Station Jumos Max Depth at Station 4.3 m

Secchi (m): 1st: .58 2nd: .58 Mean: .58 (shaded side of boat, no sunglasses)

Conductivity 1507 (uS/cm) Turbidity 7.38 (NTU) Weather 80°F, 20% Cloud Cover, Slight N Breeze
pH: 8.74 Salinity: 1.06 TDS: 1.07 Flat calm

Depth (m)	Temp (°C)	D.O. (mg/L)	
Surface	25.6	7.36	
1	24.3	7.99	
2	23.9	7.23	
3	23.7	6.85	
4	23.4	5.07	
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Depth (m)	Temp (°C)	D.O. (mg/L)	
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Note: in lakes >35 m deep record by 5-m increments starting at 20, else by 1-m

Comments:

Collected ~70 snails (Silty/Sand) in Zuds
Zoop Tows looked pretty empty
Found evidence of crayfish in Jumbo (found a claw on beach)

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel CF BV MM Date 9/18/18

Military Time 1737 Station JUMOS Max Depth at Station 3 m

Secchi (m): 1st: .8 2nd: .6 Mean: .7 Weather Slight Breeze

Conductivity 1552 (uS/cm) Turbidity 12.6 (NTU) pH 8.61

TDS 1.11
Salt 1.10

Depth (m)	Temp (°C)	D.O. (mg/L)	Light
Surface	23.6	8.79	
1	23.4	8.85	
2	23.4	8.87	
3	23.3	8.87	
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Depth (m)	Temp (°C)	D.O. (mg/L)	Light
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Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m			

Comments:

PHYSICO-CHEMICAL LIMNOLOGY DATA

Lake Name Jumbo Personnel LF Date 11 / 14 / 18

Military Time 14 35 Station Jumos Max Depth at Station 5 m

Secchi (m): 1st: .85m 2nd: .95m Mean: .9m Weather Clear, Slight Breeze 58°F

Conductivity 1766 (uS/cm) Turbidity 6.80 NTU (NTU) pH 8.82
Salt: 1.16 PPT TDS: 1.25 PPT

Depth (m)	Temp (°C)	D.O. (mg/L)	Light
Surface	4.0	10.72	
1	4.0	10.78	
2	4.0	10.8	
3	3.9	10.87	
4	3.9	10.89	
5	3.9	10.91	
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Depth (m)	Temp (°C)	D.O. (mg/L)	Light
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Note: in lakes >35 m deep record by 5-m increments starting at 30, else by 1-m

Comments: