

Little Green Lake Water Quality Monitoring Data Sheet

Station Info	Station Name: Outlet	Date: 8/12/26	Start Time: 12:40 pm
	SWIMS Station ID: 10060855	WBIC: 162400	End Time: 1:41 pm
	GPS Coordinates in the Field: 43.734527, -88.972258		
	Team Member Name(s): Gabrielle Jonas		

Weather & Site Observations	Staff Gage Level	Weather (circle or highlight one): 1 = Sunny 2 = Rain 3 = Partly Cloudy 4 = Cloudy 5 = Snow 6 = Thunderstorm	Weather over the past two days:
	Staff Gage ID:		
	Gage Level (ft.):		
	Water Depth at Site (ft.):	Water Column Appearance (circle or highlight one): 1 = Clear 2 = Murky 3 = Other:	Water Color (circle or highlight one): *use the white portion of the secchi disk to determine color 1 = Blue 2 = Green 3 = Brown 4 = Red 5 = Yellow
	Device used:		
Algae Perception - Represents the amount of observed blue-green algae in the water at your sample location Circle or highlight one: 1 = Beautiful, could not be nicer 2 = Very minor aesthetic problems; excellent for swimming and boating enjoyment 3 = Swimming and aesthetic enjoyment of the lake slightly impaired because of high algae levels 4 = Desire to swim and enjoyment of the lake is substantially reduced because of algae; would not swim, but boating is OK 5 = Poor aesthetics due to algae prevents swimming and boating Other Observations: CLP			

Transparency	Secchi Depth *Deep Hole monitoring only Record as a decimal. Round to the nearest 1/4 ft.	Trial #1 (ft.)	Trial #2 (ft.)	Average (ft.)	Notes:
	Transparency Tube *Inlet and Outlet monitoring only	Trial #1 (cm) 64.1 cm	Trial #2 (cm) 66.2 cm	Average (cm) 65.15 cm	Notes:

Water Samples	Parameter:	Collected?	Preserved?	On Ice?	Labeled?
	TP	(Y) N	(Y) N	(Y) N	(Y) N
	TN	(Y) N	(Y) N	(Y) N	(Y) N
	Orthophosphate	(Y) N	(Y) N	(Y) N	(Y) N
	NO2+NO3 as Nitrogen	(Y) N	(Y) N	(Y) N	(Y) N
	Chlorophyll a	Y (N)	Y (N)	Y (N)	Y (N)
	For Deep Hole site only: Has 0-6 foot integrated sample AND < 1 meter from bottom sample been collected?				
Has lab "Test Request Form" been completed and photograph taken? (circle one) Ye					(Y) N
Will samples be shipped or dropped off? (Circle one) Shipped					(Dropped off)

Additional Metrics	YSI Probe Parameters:	
	Temperature: 24.63 °C	Turbidity: c
	Dissolved Oxygen (DO): 106.5 % / PPW 8.65	pH: 8.90

Little Green Lake - Stream Flow Field Data Sheet

Station Info	Station Name: Outlet	Date: 8/12/26	Start Time: 12:40 pm
	SWIMS Station ID: 10060855	WBIC: 162400	End Time: 1:48 pm
	Team Member Name(s): Gabrielle Jonas		

Stream Width & Depth	Waterway Width (ft.): 13.9 ft	# of Intervals: 15	Other Observations:
	Length Assessed (ft.): 20 ft	Width of Intervals: 1 ft	
	Total Sum of Depths: 9.3 ft		

Interval	Water Depth (ft.)	Interval	Water Depth (ft.)
1	0.0	11	0.70
2	0.55	12	0.65
3	0.75	13	0.55
4	1.0	14	0.15
5	0.85	15	0.0
6	0.80	16	
7	0.80	17	
8	1.0	18	
9	0.7	19	
10	0.8	20	

Average Depth (Total Sum of Depths/ # of Intervals):
0.62 ft

Cross-Sectional Area (Average Depth x Stream Width):
8.618 ft²

Stream Depth Measurement Reminders:

- Measure water depth at equal intervals across the stream.
- The first depth is always zero to represent the stream edges.
- Only measure in decimal feet (not feet and inches)

Velocity Measurement	Float Trials	Time (Seconds)
	1	269.61
	2	256.77
	3	248.95
	4	297.59
	SUM	

Average Float Time (Sum of Trials/ # of Trials):
268.23

Average Surface Velocity (Length Assessed/ Average Float Time):
0.0746

Correction Values
For rough, loose, coarse, weedy bottom: 0.8
For smooth bottom: 0.9

Corrected Surface Velocity (Correction Value x Average Surface Velocity):
0.0597

Final Corrected Stream Flow (Cross-Sectional Area x Corrected Surface Velocity x 0.76):
0.391

*Measuring stream flow with the surface float test method overestimates flow by 24%. This is why we must multiply our stream flow by 0.76 for a final corrected stream flow discharge.