

Little Green Lake Water Quality Monitoring Data Sheet

Station Info	Station Name: Inlet A	Date: 8/12/26	Start Time: 11:43 am
	SWIMS Station ID: 10060853	WBIC: 5027630	End Time: 12:30 pm
	GPS Coordinates in the Field: 43.739914, -88.973824		
	Team Member Name(s): Gabriell Z 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:			

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) 120	Trial #2 (cm) 120	Average (cm) 120 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? Y N								
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:	Turbidity:
	Temperature: 15.53 °C	
	Dissolved Oxygen (DO): % / ppm 98.8 / 9.64	pH: 7.53

Little Green Lake - Stream Flow Field Data Sheet

Station Info	Station Name: Inlet A	Date: 8/12/20	Start Time: 11:43 am
	SWIMS Station ID: 10060853	WBIC: 5027630	End Time: 12:30 pm
	Team Member Name(s): Gabrielle Jonas		

Stream Width & Depth	Waterway Width (ft.): 7.7 ft		# of Intervals: 9	Other Observations: Filamentous algae getting in tennis ball way
	Length Assessed (ft.): 20 ft		Width of Intervals: 1 ft	
	Interval	Water Depth (ft.)	Interval	
	1	0	11	
	2	0.2	12	
	3	0.3	13	
	4	0.35	14	
	5	0.4	15	
	6	0.3	16	
	7	0.3	17	
8	0.1	18		
9	0.0	19		
10		20		

Total Sum of Depths: 1.95

Average Depth (Total Sum of Depths / # of Intervals): 0.217

Cross-Sectional Area (Average Depth x Stream Width): 1.668

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	151.97
	2	212.68
	3	152.00
	4	155.25
	SUM	

Average Float Time (Sum of Trials / # of Trials): $671.94 / 4 = 167.975$

Average Surface Velocity (Length Assessed / Average Float Time): 0.119

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

Corrected Surface Velocity (Correction Value x Average Surface Velocity): 0.0953

Final Corrected Stream Flow (Cross-Sectional Area x Corrected Surface Velocity x 0.76): 0.1207

*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.