

CU Winter Limnology

Hydrolab Lake Profile Data

Lake Name: <u>Gold Lake</u>	County: <u>Boulder</u>	Site #:
Monitor: <u>Joe Persico</u>	Group Name:	Date: <u>2/13/18</u>
Instrument #:		

Basic Parameters	
Air Temperature (°C)	<u>1.3°C</u>
Secchi Disk Depth (cm)	<u>273cm</u>
Water Color	<u>clear</u>

Ice Thickness (cm)	<u>27cm</u>		
Snow Depth (cm)	<u>0.5cm</u>		
Water surface temperature at 10cm depth	Digital <u>0.8°C</u>	Sonde	Correction*
*Correction=Digital-T-Sonde @ 0.1m (Enter correction factor on next page)			

Physical Characteristics / Current Conditions		
<u>Cloud Cover</u> <input style="border: 1px solid black; padding: 2px 5px;" type="text" value="1"/>		
0 = cloudless	3 = fog/haze	6 = rain/thunderstorm
1 = partly Cloudy	4 = drizzle	
2 = overcast	5 = intermittent rain	
<u>Wind Speed</u> <input style="border: 1px solid black; padding: 2px 5px;" type="text" value="4"/>		
0 = calm	3 = strong	
1 = slight breeze	4 = gusty	
2 = breezy		
<u>Wind Direction</u> <input style="border: 1px solid black; padding: 2px 5px;" type="text" value="4"/>		
0 = no wind	3 = east	6 = northwest
1 = north	4 = west	7 = southeast
2 = south	5 = northeast	8 = southwest
<u>Waves</u> <input style="border: 1px solid black; padding: 2px 5px;" type="text" value="0"/>		
0 = calm	3 = moderate waves	
1 = ripples	4 = white caps	
2 = small waves		
<u>Aquatic Macrophytes</u> <input style="border: 1px solid black; padding: 2px 5px;" type="text" value="0"/>		
0 = none	3 = substantial	
1 = minimal	4 = abundant	
2 = moderate		
<u>Previous Weeks Weather:</u> Est. precip. during past week.		
<u>Precipitation ranges</u>	<u>Days before sampling</u>	<u>Rating</u>
0 = none	6	_____
1 = (0 - 0.1 in.)	5	_____
2 = (0.11 - 0.5 in.)	4	_____
3 = (0.51 - 1.0 in.)	3	_____
4 = (1.1 - 2.0 in.)	2	_____
5 = (> 2.0 in.)	1	_____
	Today	_____

Basin description:

Lake elevation 2627m

Lake size _____

Basin size _____

Basin geology Granodiorite

Basin vegetation ponderosa
