

CU Winter Limnology

Hydrolab Lake Profile Data

Lake Name: <u>Gold Lake</u>	County: <u>Boulder County</u>	Site #: <u>1</u>
Monitor:	Group Name:	Date: <u>2/9/19</u>
Instrument #:	<u>Austin Nash</u>	

Basic Parameters	
Air Temperature (°C)	<u>1.8</u>
Secchi Disk Depth (cm)	<u>2m + 2ft 2m - 2m</u>
Water Color	<u>green tint</u>

Ice Thickness (cm)			
Snow Depth (cm)	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>
Water surface temperature at 10cm depth	Digital	Sonde	Correction*
	<u>0.9</u>	<u>0.8</u>	<u>0.1</u>
*Correction = DigitalT - SondeT @ 0.1m (Enter correction factor on next page)			
<u>Water depth 5m</u>			

Basin description:	
Lake elevation	<u>8000</u>
Lake size	
Basin size	
Basin geology	
Basin vegetation	<u>lodgepole forest</u>

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

mm

