Hydrosphere InvestigationData Sheet

School name:	Class or group name:
Name(s) of Student(s) collecting data:	
Measurement Time: * Year: Month: Day: Time: _ Name of Site :	
Water State: (check one) * □ Normal □ Flooded □ Dry □ Frozen Note: If Normal is selected, continue I	
Transparency	
Enter data below, depending on whether you Tube method.	are using the Secchi Disk or the Transparency
Secchi Disk Secchi Disk Test 1: Distance from observer to:	
to water surface m	
where disk disappearsm where disk re	eappears m
OR	
☐ Secchi Disk reaches the bottom and does to water surface m — depth to the bo	
Secchi Disk Test 2: Distance from observer to:	
to water surface m	
where disk disappearsm where disk re	eappears m
OR	
☐ Secchi Disk reaches the bottom and does to water surface m — depth to the bottom.	
Secchi Disk Test 3: Distance from observer to:	
to water surface m	
where disk disappearsm where disk re	eappears m
OR	
☐ Secchi Disk reaches the bottom and does to water surface m depth to the bottom.	

Salinity Titration Method
Salinity Test 1: ____ ppt
Salinity Test 2: ____ ppt
Salinity Test 3: ____ ppt
Comments: ____

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Nater	рН: Ме	easured with:	(che	eck one) 🗖 pH Paper	□ рН	l Meter	
	[If salt added	, co	onductivity (µS/cm)		рН	
		1.					
		2.					
	Ĺ	3.					
/alue o	f buffers	s used: 🗖 pH 4	1 🗆	pH 7 ☐ pH 10 (Chec	k all u	sed)	
:omme	nte:						
Jonnine	,iiio						
	y kit: ı	manufacturer _.		model		_	
lkalin	ity Test	1: mg/L	as	CaCO3			
Alkalinity Test 2: mg/L as CaCO3							
		_					
Nikalin	ity lest	3: mg/L	as	CaCO3			
Kit used counts drops							
		Number of drops	X	Conversion const	ant	= Alkalinity (mg/L as Ca	CO ₃)
	Test 1						
	Test 2						
	Test 3						
comme	nte:						
<i>,</i> 01111110							
Vitrate)						
litrata l	kit: ma	anufacturer		model			
villale i	NIL. IIIC	iliulacturei		IIIOGEI			
	Nit	rate and Nitri	te (mg/L NO ₃ ·N + NO ₂ ·N)	Nitr	ate (mg/L NO2-l	N) Optional
Test				<u> </u>			
Test	2						
Test	3						
	,				•		
omme	ents:						

School/Observer Name:	Study Site:	
Date (ex. 2017 01 13): Year: Month: Day: _ Time (ex. 24 Hour Clock: 14 26): Local: Hour Mini		nute
Total Cloud/Contrail Cover: Sky is Obscured None (Go to box 2) Scattered (25-50%) Few(<10%) Broken (50-90%) Isolated (10-25%) Overcast (90-100%) *If you can observe sky col Sky Color and Visibility Color (Look Up): Cannot Observe Deep Blue Visibility (Look Across): Cannot Observe Unusually Clear J. High Level Clouds No High Level Clouds Observed (Go to box 4) Cloud Type:	O Fog O Sand O Heavy Rain O Spray O Heavy Snow O Smoke O Blowing Snow O Dust	O Haze O Volcanic Ash Go to box 6 Use OMilky Cazy Extremely Hazy Visual Opacity: O Opaque
U Cirrocurriulus	O Scattered (25%-50%) persistent Spreading O Scattered (25%-50%) O Broken (50%-90%) O Overcast (>90%)	Transparent
 4. Mid Level Clouds No Mid Level Clouds Observed (Go to box 5) Cloud Type: Altostratus Altocumulus 	○ Few (<10%)○ Isolated (10%-25%)	Visual Opacity: Opaque Translucent Transparent
 5. Low Level Clouds No Low Level Clouds Observed (Go to box 6) Cloud Type: Fog Stratus Nimbostratus Cumulus Cumulonimbus Stratocumulus 	Cloud Cover: Few (<10%) Isolated (10%-25%) Scattered (25%-50%) Broken (50%-90%) Overcast (>90%)	Visual Opacity: Opaque Translucent Transparent
Mandatory: Yes No Yes Snow/Ice O Dry Ground Standing Water O Leaves on Trees Muddy O Raining/Snowing O	Temperature:°C Barometric Pressure:mb Relative Humidity: %	

Comments: