Mice Foreyuson Foundation	_	_	he Watershatchdogs Data				YIOMAL PARK PARK PARK PARK PARK PARK PARK PARK		-	Date: Teacher:		
Park:						Stud	dy Sit	te:				
Park Rangers & Educators: (one per row)				Group Members: (one per row)								
		•••••										
Latitude:	North		0			Longi	tude	<u>:</u> :	١	West		· · · · · · · · · · · · · · · · · · ·
Why is it impo	rtant to know the	latit	ude and longit	ud	e?							
			Yesterday							Today	,	
Air Tem	perature		°C							, out,	0	С
Cloud Cover	□ Clear		Partly Cloudy		Cloudy		□ CI	ear		Partly Cloudy	/ 1	Cloudy
Precipitation	□ None		Rain		Other		□ No	one		Rain	1	Other
How could we	ather affect today	's fie	eld study?									
Water Color			Water Odor					W	/atei	r Temperatu	ire	°C
Stream Botto	om:		Rocky		Sandy/Gra	ivel		□ Sil	ty			
Stream Cano	ру:		Full Shade		Partial Sha	ide		□ Su	ın			
How are water	r temperature, str	eam	bottom, and o	an	opy related	!?						
Stream Spee	d:											
Trial 1			conds									
Trial 2			conds									
Trial 3			conds conds (Add al	11 2	Trials and (	divida b	, 21					
	ge time from abov	e in			low to det		aver	_	trea	m speed		
Because we	test speed only at stream speed. Us						_			-		an overall
Average Speed	I x 0.8 (fudge fact	or) =	:				met	ers/s	ecor	nd		
Sketch the stu	dy site, showing a	ll de	tails that affec	t yc	our field stu	ıdy:						



Enter the data you collect using the chemistry kits in the fields below:

Enter the data you collect using the chemistry kits in the fields below:					You will perform this data analysis in the classroom			
Parameter	Test Result	Accep	table?	Q-Value	Weighing Factor	Total		
Dissolved Oxygen	mg/L   Water Temp:°C		No		0.17			
	% sat.	Yes No			-			
Turbidity	JTU	Yes	No		0.08			
Phosphates (Orthophosphates)	mg/L	Yes	No		0.10			
Nitrates	mg/L	Yes	No		0.10			
Change in Temperature	°C (above)°C (below) =^°C	Yes	No		0.10			
Total Dissolved Solids	ppm	Yes	No		0.07			
рН		Yes	No		0.11			
Fecal Coliform	colonies/100 mL	Yes	No		0.16			
BOD	mg/L (Same day)mg/L (5 day) =	Yes	No		0.11			
	Δmg/L							
					er Quality Index			
				WQID	Description			

Water Quality Index (WQI) Description						
100-90	Excellent					
89-70	Good					
65-50	Moderate					
49-25	Bad					
24-0	Very Bad					

Acceptable Ranges					
Dissolved Oxygen	80-125% Saturation				
Turbidity	< 10 JTU				
Phosphates	< 0.306 mg/L				
Nitrates	< 4.4 mg/L				
Change in Temperature	< 5°C				
Total Dissolved Solids	< 500 ppm				
рН	6.5 - 8.5				
Fecal Coliform	< 200 colonies/100mL				
Biochemical Oxygen Demand	< 5 mg/L				

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