RiverWatch
Science. Education. Adventure

How Healthy is Our River?

www.riverwatch.ab.ca

School/Group Namao **Date (mm/dd/yy)** Oct 25th, 2018

River/Creek N. Saskatchewan **City/Town** Edmonton

Put-In/Take-Out Dawson - Sunridge **Program/Level** _____

Guide/Volunteer Name: Abyd **Supervisor** _____

		Test Site #1		Test Site #2		Test Site #3	
Site ID	Site Location/GPS	Carmul Day Island R		Goldstick Creek R			
	Bank Left or Right						
	Time	Arrival 10:30am / Depart / Total		Arrival 1:30pm / Depart / Total		Arrival / Depart / Total	
	Indicators	Sample #1	Sample #2	Sample #1	Sample #2	Sample #1	Sample #2
Physics	Discharge (cms)	146					
	Water Temperature (°C)	3.8 | 6.5		9.4			
	Turbidity (NTU)	less than 0		11	11		
	Conductivity (mS/cm)						
	TDS (mg/L)						
	Salinity (ppt)						
Chemistry	Dissolved Oxygen (mg/L)	7 drops	3	5	5		
	Ammonia/Nitrogen (mg/L)	0.15	3.0	0	3.0		
	Phosphorous (mg/L)	0.02	0.02	0.02	0.04		
	pH	8.2	7.9	7.4	7.3		
	Chloride (mg/L)						
Biology	Mayfly Nymph (PS)	1					
	Stonefly Nymph (PS)						
	Caddisfly Larva (MPT)			1			
	Midge Larva (PT)						
	Water Boatman (PT)						
	# Invertebrates Total						
	# Invertebrate Types Total						
	Overall Health Rating	1 2 (3) 4 5		1 2 3 (4) 5		1 2 3 4 5	
	Observations and Notes Land Use, Pollution, Activities, Bank Vegetation, Aquatic Plants, Birds, Animals, Flow Level, Water Color, Algae						

Keys	Invertebrates	PS = Pollution Sensitive	MPT = Moderately Pollution Tolerant	PT = Pollution Tolerant
	River Health Scale	#1 or #2 = Unhealthy	#3 = Borderline Healthy	#4 or #5 = Healthy

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Trip ID

School/Group __Namalo__ Date (mm/dd/yy) __25__ / __10__ / __18__

River/Creek __North Sask__ City/Town __Edmonton__

Put-In/Take-Out __Dawson__ / __Sm ridge__ Program/Level __9__

Guide/Volunteer Name: __Jonah__ Supervisor _____

		Test Site #1		Test Site #2		Test Site #3	
Site ID	Site Location/GPS						
	Bank Left or Right	r		r			
	Time	Arrival / Depart / Total		Arrival / Depart / Total		Arrival / Depart / Total	
	Indicators	Sample #1	Sample #2	Sample #1	Sample #2	Sample #1	Sample #2
Physics	Discharge (cms)						
	Water Temperature (°C)	3.2	3.8		8		
	Turbidity (NTU)	≠10	≠10	4.2	9		
	Conductivity (mS/cm)						
	TDS (mg/L)						
	Salinity (ppt)						
Chemistry	Dissolved Oxygen (mg/L)	6	6	4	7		
	Ammonia/Nitrogen (mg/L)	3	3	1	1		
	Phosphorous (mg/L)	.04	0.04	0.02	0.04		
	pH	7.4	8.0	7.6	7.3		
	Chloride (mg/L)						
Biology	Mayfly Nymph (PS)	2		r			
	Stonefly Nymph (PS)	4					
	Caddisfly Larva (MPT)						
	Midge Larva (PT)						
	Water Boatman (PT)						
	# Invertebrates Total						
	# Invertebrate Types Total						
	Overall Health Rating	1 2 ③ 4 5		1 2 3 4 5		1 2 3 4 5	
	Observations and Notes Land Use, Pollution, Activities, Bank Vegetation, Aquatic Plants, Birds, Animals, Flow Level, Water Color, Algae						

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