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Water Chemistry Summary Sheet

Name_____ **Teacher**_____

School_____ **Date**_____ **Site #**_____

TEST	RESULTS	Q-VALUE	X weight factor	= TOTAL
1(a) Dissolved Oxygen **1(b)** Water Temperature	**1(a)** _____ mg/l **1(b)** _____ ^{0}C **1(c)** _____ % Sat		**X 0.19**	
2. Fecal Coliform	Times 20 = _____ / 100 ml		X 0.18	
3. pH	_____ units		**X 0.12**	
4. BOD (5-day)	**4(a)** Day 1 D.O.= _____ mg/l **4(b)** Day 5 D.O.= _____ mg/l **4(a) – 4(b) =** _____ mg/l		**X 0.12**	
5. Air Temperature	Site temp = _____ ^{0}C	**XXXXXXXXXXX XXXXXXXXXXX**	**XXXXXXXXXXX XXXXXXXXXXX**	**XXXXXXXXXXX XXXXXXXXXXX**
6. Total Phosphates	Divided by 10 = _____ mg/l		**X 0.11**	
7. Nitrates	Times 4.4 = _____ mg/l		**X 0.11**	
8. Turbidity	_____ JTUs		**X 0.09**	
9. Conductivity (TDS)	Divided by 2 = _____ mg/l		**X 0.08**	

Add together the eight numbers in the TOTAL column (far right) to determine the
OVERALL WATER QUALITY INDEX =

[ ] Excellent = 90-100 [ ] Good = 70-90 [ ] Average = 50-70 [ ] Bad = 25-50 [ ] Very Bad = 0-25

WQI for each Group: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ **Average:** _____