Calculating Overall Water Quality Adjustment Formula

Step 1	If you're missing one to three test results, use the Adjustment Formula. The Adjustment Formula provides you with an Overall Water Quality value that is relative to the value you would have gotten if you had performed all nine water quality tests.
Step 2	From the results of the tests you did perform, calculate your Overall Water Quality (you need it to determine your adjustment).
Step 3	Add up the Weighting Factor Number(s) for the test(s) **not performed**.
Step 4	Take 97 and subtract it by the Weighting Factor Total.
Step 5	Take 97 and divide it by the value from Step 4.
Step 6	Multiply your original Overall Water Quality by the value from Step 5, which will give you your Overall Water Quality Adjustment.
NOTE:	When using the Weighting Factor to calculate the adjustment do not use decimals.

Name of Test	DO	FC	pH	BOD	Temp	TP	NO_3	Turb	TS
Weighting Factor	17	16	11	11	10	10	10	8	7

Weighting Factor _____
Weighting Factor _____
Weighting Factor _____
Total _____
Step 3

[97 - _____ = _____] Step 4

[97 / _____ = _____] Step 5

Water Quality Index _____ x _____ = **Adjustment** _____ Step 6

EXAMPLE (6 TESTS PERFORMED)

Name of Test	DO	FC	pH	BOD	Temp	TP	NO_3	Turb	TS		**Water Quality Index**
Q-value	95		90		90	93	55	38		=	53
Weighting Factor	**17**	**16**	**11**	**11**	**10**	**10**	**10**	**8**	**7**		

Weighting Factor 16
Weighting Factor 11
Weighting Factor 7
Total 34

[97 - 34 = 63]

[97 / 63 = 1.540]

Water Quality Index 53 x 1.540 = **Adjustment** 82

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FOTR
OVERALL WATER QUALITY form.xls