

Environmental and Natural Resources Water Analysis Scorecard – 100 points

Name: _____

Participant No.: _____

State: _____

Team No.: _____

Your job today is to analyze the given water sample. You will need to find the given levels of the following possible factors: nitrites, dissolved oxygen, nitrates, pH, phosphates, water hardness, chlorine, ammonia and the current temperature. Using this information indicate if the water quality is suitable for the given species. Indicate the limiting factors and explain ways this water quality can be improved. (Each year, you will test for four of the categories listed in the handbook.)

Category	Answers	Possible Points	Score
1		10	
2		10	
3		10	
4		10	
Indicate if the quality of the sample is suitable for the following use:		10	
Indicate the limiting factor(s):		25	
How can water quality be improved?		25	
Total Score:		100	

Judge's Name

Judge's Signature

Date

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Category	Answers	Possible Points	Score
1 PH	7.5 ^{spst or} .5	10	
2 Temp ^{after lunch} 60 or 62	55° ^{+ or -} 5	10	
3 Nitrate	0 = .044° ^{spst}	10	
4 Nitrite	1 = .033° ^{oldo}	10	
Indicate if the quality of the sample is suitable for the following use: ^{wildlife} Livestock water, swimming, Fishing - bluegill & bass irrigation, hunting,		10	
Indicate the limiting factor(s): Equip. shed Fert. Run off No aeration chemicals Erosion Hunters (+trash) livestock access?		25	
How can water quality be improved? Crop Rotation Filter Strip around Tree planting, no till Cover Crops aeration (any) soil health practice Fence out livestock Timber mgmt soil test no littering		25	
Total Score:		100	

Judge's Name _____

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Date _____