



# A Clarification of the Canon Envirothon Judges' Scoring Sheet

To facilitate greater consistency when scoring team performance, judging criteria have been developed for use at the Canon Envirothon. In general, the point values can be interpreted as follows (see a more detailed analysis for each category below):

## Scale for scoring

- 0 Not at all.
- 2 Major misconceptions and gaps; ineffective, inadequate, inappropriate.
- 4 Some misconceptions and flaws; minimally effective, somewhat appropriate.
- 6 Complete and accurate; effective, adequate and appropriate.
- 8 Complete, very detailed, logical, ideas well supported and well organized; highly effective, all details appropriate.
- 10 Profound, in-depth, done in an insightful manner; extremely effective, points to a most effective strategy.

## AN EXPANSION OF EACH SECTION OF THE JUDGING SHEET:

### Part I Preparation & Presentation of Plan (60 points maximum)

A. How well did the presentation address or identify:

- The interrelationship between the environment, natural resources, and the different natural resource management strategies?

- 0 Not at all.
- 2 Major flaws or misconceptions in the interrelationships.
- 4 Identified most of the key interrelationships but had some misconceptions or gaps.
- 6 Identified key interrelationships appropriately and adequately, along with appropriate management strategies.
- 8 Presents major and minor interrelationships and management strategies in a clear and effective manner with supporting evidence.
- 10 Addresses all interrelationships and develops a most effective combination of management strategies in a logical, insightful and well defended manner addressing all aspects of the problem.

- All the different players/interest groups affected by the problem?

- 0 No players identified.
- 2 Only one or two players identified with major flaws in their interests or who is affected.
- 4 Most of the players and their interests presented with some misconceptions or gaps.
- 6 All the major players identified appropriately with their viewpoints accurately expressed.
- 8 Major and minor players identified and their interests are accurately expressed in a well organized manner.
- 10 Very comprehensive analysis of the players and their needs and interests, done in a well organized and insightful manner clearly conveying the complexity of the issue. Done in a clear and very logical presentation.

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## Part I Preparation & Presentation of Plan (60 points maximum) continued

The judging criteria for the following questions are similar. For each question, how well did the presentation address or identify

- The major natural resources areas (soils/land use, aquatic ecology, forestry, wildlife)?
- The current issue?
- The specific environmental problem and related issues regarding the problem?

- 0 Not at all.
- 2 Many of the issues involved are not covered or major misconceptions in addressing these issues.
- 4 All main issues (where appropriate) are addressed but there are misconceptions or gaps in how they are addressed.
- 6 All key issues (where appropriate) are addressed in an adequate manner.
- 8 Major and minor issues affected (where appropriate) are addressed in a detailed and appropriate and logical manner with support information.
- 10 All major and minor issues affected (where appropriate) are addressed in a multidisciplinary manner. The analysis is profound, in-depth, done in an insightful manner. All issues addressed are done utilizing the most effective strategies.

B. Were references and resources cited in the team presentation?

- 0 None cited.
- 2 Only one or two sources are cited or citations are inappropriate for their use.
- 4 Several resources cited however there are gaps in the citations.
- 6 Four or five resources cited and used appropriately.
- 8 Adequate resources cited from several different viewpoints supporting the major points of the presentation.
- 10 All points supported with citations from many different viewpoints. Citations and resources used shows in-depth research and a desire to investigate all major areas of concern. Citations listed in an organized fashion.

## Part II Application of Data (80 points maximum)

The format of the judging in section A-D is very similar. For sections A-D judges can use the following criteria: (A-political, B-ecological/environmental, C-economic, D-social and cultural issues.) A-D. The team demonstrated a solid understanding of (A-political, B-ecological/environmental, C-economic, D-social and cultural) issue(s) related to the problem.

- A. Team demonstrated a solid understanding of political issue(s) related to the problem (regulations, mandates, impact on political system/community).
- B. Team demonstrated a solid understanding of ecological/environmental issue(s) related to the problem.
- C. The team demonstrated a solid understanding of economic issue(s) related to the problem including the cost and benefits of the proposed plan, (cost of implementing the plan, economic impact on local resources, cost of doing nothing, future costs, funding source(s), etc.)
- D. The team demonstrated a solid understanding of social and/or cultural issue(s) related to the problem (private property rights, traditions, clean and healthy environment, right to farm, urban issues, cultural issues, environmental justice).

- 0 No (A-political, B-ecological/environmental, C-economic, D-social and cultural issues) issues considered.
- 2 Only a few considerations are mentioned or their understanding of the issues has major flaws.
- 4 Most of the major considerations are presented and addressed, however there are some misconceptions or gaps in the presentation.
- 6 All the major considerations are identified and addressed in an appropriate manner.
- 8 A detailed presentation of the considerations is given in a well supported and organized manner. A high level of understanding is also exhibited in the question and answer period.
- 10 The analysis of the issues is very complete, in-depth. These issues are presented in well thought-out and insightful manner which shows a complete understanding of the considerations and how they should be addressed. A high level of understanding is also exhibited in the questions and answer period.

- E. The team presented ONE viable solution to the problem addressing the resource issue.

- 0 No plan presented.
- 2 The plan has major flaws and is inadequate or inappropriate.
- 4 The plan presented has numerous minor flaws with gaps in the topics it addresses.
- 6 The plan addresses all the key concerns and provides a reasonable solution to the problem.
- 8 The plan provided covers the concerns of the problem very completely, and is presented in a detailed, logical and well organized manner.
- 10 The plan provided addresses all the aspects of the problem in an elegant, in-depth manner. The solution developed is insightful and is very effective, and efficient.

## Part II Application of Data (80 points maximum) continued

F. The main parts were clearly stated and supported (conclusion was clearly defined and convincing).

- 0 No supporting details for the conclusion reached.
- 2 Supporting details are severely flawed, confusing, or have large gaps in the presentations. The conclusion does not match the material presented.
- 4 Some of the supporting details are provided but have some misconceptions or have several gaps. The conclusion is unclear or unconvincing.
- 6 All the main points are clearly stated with supporting details. The conclusion matches the supporting details.
- 8 The presentation is organized in a very logical manner. All the major and minor points are supported accurately and cover the topic completely. The conclusions clearly come from the body of the presentation and are very convincing. This includes clearly showing how the conclusion was reached after considering the alternatives.
- 10 The body of the presentation clearly lays out the details of the conclusion with supporting details. This is done in a highly effective manner. The presentation is insightful and detailed leading to a most convincing conclusion. This includes clearly showing how the conclusion was reached to formulate an extremely effective solution.

G. Solution in the presentation has potential to be applied or implemented with long term sustainability to natural resources.

- 0 No solution is provided.
- 2 The solution presented is unrealistic or has major misconceptions or flaws.
- 4 The solution presented is somewhat workable but contains some misconceptions or flaws.
- 6 The solution presented is workable and presents solutions to short-term and long-term problems. The solution is adequate and accurate. It covers all the major areas of concerns.
- 8 The solution presented is very complete and realistic. It provides for the long-term sustainability of natural resources cost effectively and addresses all concerns.
- 10 The solution presented provides an insightful, multidisciplinary approach to the problem. All natural resource concerns are dealt with in a manner which allows for short-term concerns and long-term sustainability. The solution proposed clearly supports how it addresses all the concerns by utilizing the most effective alternative.

H. Did the solution reflect or address the concerns of all affected groups and issues?

- 0 No attempt was made to address the concerns of affected groups and issues.
- 2 The needs of most groups affected or issues have not been addressed.
- 4 The needs of most groups have been considered but many have not be addressed adequately.
- 6 The needs of most groups and issues have been addressed in an adequate fashion.
- 8 The needs of all the groups and issues have been addressed in a complete and detailed manner.
- 10 The needs of all the groups and issues have been addressed by combining the common interests in the most effective manner while not jeopardizing the long-term sustainability of environment and balancing political, economic, social and cultural concerns. This is done in detailed and insightful manner that shows sensitivity to needs of all groups affected.

## Part III Quality of the Presentation (40 points maximum)

A. Presentation was well organized with a clear introduction and strong conclusion.

- 0 No introduction or conclusion.
- 2 Introduction and/or conclusion very hard to follow with very little organization to the presentation.
- 4 Introduction and/or conclusion are somewhat difficult to follow. Minimal organization in the rest of the presentations.
- 6 Clear introduction and strong conclusions. Adequate organization throughout the presentation.
- 8 Clear introduction and strong conclusion. The presentation has a very logical flow and is very well organized.
- 10 Excellent organization throughout. The presentation is very easy to follow and compelling. The organization enhances the understanding to keep one's attention throughout the presentation.

B. Participants enhanced the presentation (eye contact, gestures, voice inflection, originality, exhibited professionalism, etc.).

- 0 No attempt to engage the audience-monotone voice, no eye contact, etc.
- 2 Very limited presentation skills for a majority of the presenters leading to an ineffective presentation.
- 4 Several of the presenters have limited presentation skills.
- 6 All the presenters do an adequate job of presentations using the skills listed above.
- 8 All the presenters utilize good presentations skills leading to an effective presentation.
- 10 Extremely effective presentation skills used appropriately in a variety of ways leading to a creative and highly effective presentation.

C. Visual aids were used to make major points and show conclusions. (Visual aids should be correct, eye appealing, readable, neat, etc.)

- 0 No visuals.
- 2 Visuals very unreadable, not neat, or contain major flaws in the information.
- 4 Visuals contain minor flaws or do not convey the major points or conclusions properly.
- 6 Visuals convey the major points and conclusions in an adequate manner, no spelling errors, readable, neat and appealing.
- 8 Visuals convey the major points and conclusions (including all the features listed above) in a particularly eye-catching manner.
- 10 Creative and very effective use of visuals to convey the major points and conclusions. Visuals greatly enhance the presentation and are used in a highly appropriate manner.

D. Questions were answered logically and concisely by all team members participating.

- 0 No questions answered.
- 2 Answers contain many major misconceptions or gaps.
- 4 Answers contain some misconceptions or flaws.
- 6 Answers are accurate and adequate. All the team members are involved in answering the questions.
- 8 Answers given by all the members are concise and organized in a logical manner. All the details are appropriate.
- 10 Questions are answered in an insightful manner (as well as being logical and concise). The answers show an in-depth understanding of the material.

## Part IV Required Elements (20 points maximum)

A. Add up to ten points for team member participation in presentation. (Each team member gets up to 2 points for equal oral participation in the presentation.)

For each team member

- 0 No participation.
- 1 Limited participation.
- 2 Full participation.

B. Add up to five points if the presentation was accomplished in the allotted time scale and the team made effective use of their time.

- 1 9-10 minutes.
- 2 11-12 minutes.
- 3 13-14 minutes.
- 4 15-16 minutes.
- 5 17-20 minutes.

C. Add up to five points if the presentation accomplished the task of presenting a plan.

- 1 No plan presented.
- 2 Plan with major misconceptions or gaps.
- 3 Plan is complete and accurate.
- 4 Plan is complete, very detailed, logical, well supported and well organized.
- 5 Plan is profound, in-depth, insightful and extremely effective.