Land Conservation Career Development Event

Contest Objectives:

- CS.03.02.02.b. Develop plans to improve environmental compliance and performance within an AFNR system.
- CS.04.01.01.b.Analyze available practices to steward natural resources in AFNR systems (e.g. wildlife and land conservation, soil and water practices, ecosystem management, etc.)
- CS.04.01.02.b. Analyze and assess sustainability practices that can be applied in AFNR systems (e.g. energy efficiency, recycle/reuse/repurpose, green resources, etc.)
- ESS.03.02.01.c. Design a master land-use management plan for a given area that utilizes land capability classes in order to minimize erosion and flooding, maximize development and preservation of topsoil, etc.
- ESS.03.02.02.c. Evaluate the soil composition in order to predict the impact of that soil on environmental service systems.
- ESS.03.02.03.b. Assess the physical qualities of the soil that determine the potential for filtration of groundwater supplies and likelihood of flooding.
- ESS.05.02.02.b. Assess different measurements of soil quality (e.g. soil horizons, soil texture, organic matter, soil respiration, etc.) to determine their effectiveness and limitations.
- NRS.01.01.01.b. Assess the characteristics of a natural resource to determine its classification.
- NRS.01.01.01.c. Devise strategies for the preservation of natural resources based on their classification.
- NRS.01.05.04.b. Analyze a plot of land in order to determine which soil management techniques would be most applicable.
- NRS.01.05.04.c. Devise a soil management plan to minimize erosion and maximize biodiversity, plant productivity, and the formation of topsoil.
- PS.01.03.03.c. Prescribe fertilizer applications based on the results of a laboratory analysis of soil and plant tissues.
- PS.01.03.05.c. Devise a plan for soil management for a selected production method.

This contest will be run as a team event. The members of a team will work together throughout the event. The score will be tabulated as a team score, and no individual scores will be given. Contest official score card will be used as the key to the contest. For scoring questions please refer to the "A Guide for Land Judging in Michigan."

Teams are comprised of three to five members, teams having less than three members are not eligible for awards. Four land areas will be judged by each team. Soil test information for pH, phosphorus, and potassium will be given to the contestant for each area.

Teams will determine percent of slope. Slope finders will be provided.

Twenty minutes will be allowed for judging each land area. The number of problems in Part Two, the number of practices in Part Five, and the number of land uses in Part Six will be furnished for each of the four land areas. Correct placings will be given at each land area after judging is completed.
Each team should bring a clipboard. A machine scoring pencil will be supplied. A scorecard is available at the following web site: https://www.michiganffa.org/wp-content/uploads/2020/05/land_score_card.pdf

REFERENCES

A Guide for Land Judging in Michigan (PDF Document) https://www.michiganffa.org/wp-content/uploads/2020/05/land_cons_guide_new.pdf