1965

4-H Record Book – The Watershed Look at Soil and Water Conservation : Form 5-36-65

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Project Requirements

1. Participate in at least six of the eight project meetings and complete at least six club or individual activities.

2. Participate in one or more club or individual demonstrations on erosion or flooding problems in a watershed.

3. Participate in one or more club or individual demonstrations on land or structural treatment in a watershed.

4. Visit an area that had flood or erosion damage recently and report evidence of property damage in your community.

5. Find out from your parents how they feel about the watershed approach to conservation.

6. Visit your local soil and water conservation office and report on the interest or progress of any watershed organization in your county.

7. Submit a completed project record book (be sure to fill in your record book at the close of each meeting).

Name of Member ____________________________________________

Post Office ___________________________ County ____________

Age ______ as of January 1, 196 ______ Grade in School ________ Club Work ______

Name of Club ____________________________________________

Project ____________________________

Leader ______________________________

Assistant Leader ______________________

Date Started _________________________ Date Closed ____________

Month Day Year Month Day Year
Meeting No. 1. Facts about Water

Questions for your discussion on water:

1. Explain what this drawing of the water cycle tells about the paths that water takes in moving from the atmosphere on to the land and back to the atmosphere.

2. Find out what the average yearly precipitation is for your county. _____ inches. How much of this total comes as rainfall. _____ inches. Snow. ________ inches.

3. How many irrigation wells are there in your county? How many gallons per minute can be pumped from these wells ________.

4. List all the ways you know water is used in your community.

__________________________
__________________________
__________________________

Compare your list with other members of your club.

Activities: Club and Individual

1. Should you be able to have a Soil Conservation Service employee or County Extension Agent talk to your club about watersheds in your area, record this information about him.

Speaker's Name: __________________

Title: __________________ Working with: __________________

Has been working in the conservation field for ________ Years.

Outline briefly the story he told about watersheds and conservation.

__________________________
__________________________
__________________________
2. Should your club be able to tour a nearby watershed project, make a list of the things pertaining to conservation of soil and water that you see.

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

3. Show how you figured the flow of water in a stream or irrigation canal as explained on page _______ of your project manual.

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

Meeting No. 2  What is a Watershed?

Questions for your discussion.

1. Which of the 9 major river basins in Nebraska includes your community _______
2. What is the name of the small stream or creek near your home _______
3. Does it flow continuously _______
4. Does it flood _______
5. If it has flooded, list the damages caused.
   ____________________________________________
   ____________________________________________
   ____________________________________________

6. Discuss the ways you think flooding and erosion can be controlled in your community.

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

Activities:

1. Which activity did you choose to carry out. Explain.

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________
Meeting No. 3 Problems in some of our watersheds.

Questions for discussion:

1. When was the last flood in your community.

2. Were any lives in danger or lost.

3. What are your ideas for controlling sheet erosion.

Gully erosion.

Activities:
Which activity did you choose to carry out.
Explain.

Meeting No. 4 Community Benefits from a watershed project

Questions for discussion.

1. What does the Benefit-Cost ratio for a watershed project tell you about the need for structures in a watershed. What do you think should be done if the Benefit-Cost ratio is less than 1.
2. Why is it important for people living in the watershed to work and plan together on a project of such importance and benefits?

3. What cash or direct value do you put on such indirect benefits as:
   a. Protecting and saving just one person from drowning.
   b. Providing a handy place to swim, fish and go boating.
   c. Strengthening the community effort in your watershed.

Activity:
1. Which activity did you choose to carry out. Explain.

Meeting No. 5 Organizing a Watershed

Questions for discussion.

1. Do you think a watershed should be organized in your community. List your reasons.

2. What are some of the groups or organizations in your community that should be interested in your watershed. Why.
3. Why is it important to have local people share the cost of developing a watershed. Can you think of any cost that local people must pay in maintenance of a watershed.

Activities:

Explain the activity that you or your club completed for this meeting.

Meeting No. 6, L and Treatment Practices

Questions for discussion.

1. Discuss why you think land treatment is especially important in a watershed project.

2. Who can a farmer get to help him plan his land treatment program.

3. Discuss how much land treatment has been applied to the land in your community.

Activities.

Explain the activity you choose to carry out for this meeting.
Meeting No. 7  Runoff Control Structure

Questions for Discussion

1. Discuss the purpose of flood and erosion control structures in watershed.

2. What do you feel is most important - the land treatment part of a watershed program or the structural? Which should be completed first?

3. Discuss the advantages of having a watershed dam on your farm. Are there some disadvantages?

Activities:

Explain the activity you choose to carry out for this meeting.

Meeting No. 8  Careers Working with Soil and Water

Questions for Discussion.

1. After reading about different careers that one can enter in conservation, discuss the opportunities in each field. Which is your preference.
Activities:

Write a short report explaining, "What I Learned in My 4-H Project: The Watershed Look at Soil and Water Conservation."

We have read and approved this project report:

____________________  _____________________  _____________________
Parent                  Leader                   Extension Agent