

STATE QUALIFIERS

2011

JUNIOR DIVISION

STATE FAIR FINALISTS (BLUE RIBBON)

1	102 Grace Schuler	Wishek
2	111 Hunter Pinke	Wishek
3	114 Sean Loken	Wishek
4	121 Caleb Mahin	KC Tappen
5	116 Zachary A. Fischer	Ashley
6	126 Katelyn Fastnacht	Ellendale
7	101 Emily Hauck	Ellendale
8	112 Paige Schmidt	KC Tappen
9	129 Marissa Fergel	Ellendale
10	132 Trevor Meidinger	Wishek
11	134 Reed Philip Eszlinger	Ashley
12	105 Nash Bettenhausen	Wishek
13	108 Brenna Ketterling	Wishek
14	110 Blaire Schnabel	Ashley
15	127 Noah Froehling	Wishek
16	106 Hudson McHenry	KC Tappen

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	124 Rebekka Wanner	Wishek
2	107 Jacob Tschosik	Ellendale
3	120 Hanna Bettenhausen	Wishek
4	117 Julianna Wolff	Wishek

SENIOR DIVISION

STATE FAIR FINALIST (BLUE RIBBON)

1	203 Jonathan Ketterling	Wishek
2	239 Kyle Zundel	Ellendale
3	206 Ashley Morman	Wishek
4	226 Charis Vanasse	Ellendale
5	212 Tucker Meidinger	Ashley
6	211 BreAnna Stroh	KC Tappen
7	216 Tyler Toepke Floyd	Wishek
8	245 Carl Entzie	Ashley
9	244 Taylor Ketterling	Wishek
10	248 Nicholas Knoblich	Ashley
11	237 Ben Schuler	Wishek
12	209 Ellen Schnabel	Ashley
13	204 Jennifer Mahin	KC Tappen
14	230 Ross Knoll	Ashley
15	229 Samantha Rangeloff	KC Tappen
16	232 Wendy Eszlinger	Ashley

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	233 Gabby Peterson	Ellendale
2	223 Travis Schnabel	Ashley
3	240 Jayden Lippert	Ashley
4	201 Rachel Herman	Ellendale

TO BE NAMED AT THE STATE SCIENCE FAIR IN GRAND FORKS, APRIL 8, 2011.

OUTSTANDING YOUNG SCIENTIST - SR. DIVISION

RUNNER UP - JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION

\$14,000 SCHOLARSHIP TO JAMESTOWN COLLEGE

1	#N/A	#N/A
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**SWEEPSTAKE AWARD - TRAVELING TROPHY TO SCHOOL AND FROM
JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION \$18,000 SCHOLARSHIP**

1	#N/A	#N/A
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NATIONAL AWARDS

AMERICAN METEOROLOGICAL SOCIETY

The American Meteorological Society offers two Certificates of Outstanding Achievement to student exhibitors in **Junior or Senior Division** with participation in the atmospheric and related oceanic and hydrologic sciences.

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|--------------------|------|------|
| 1. (Certificate) - | #N/A | #N/A |
| 2. (Certificate) - | #N/A | #N/A |

AMERICAN PSYCHOLOGICAL ASSOCIATION

This award recognizes outstanding research in psychology under the category of behavioral and social sciences.

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|--------------------|--------------------|-----------|
| 1. (Certificate) - | 226 Charis Vanasse | Ellendale |
|--------------------|--------------------|-----------|

ASM INTERNATIONAL FOUNDATION

This award recognizes the winner in **Junior or Senior Division** of the best materials engineering project. Criteria for the award is: 1) best use of materials-related concepts and 2) demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships.

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|--------------------------------|------------------|--------|
| 1. (Certificate & Medallion) - | 111 Hunter Pinke | Wishek |
|--------------------------------|------------------|--------|

ASSOCIATION FOR WOMEN GEOSCIENTISTS

The Association for Women Geoscientists is pleased to provide an Award Certificate to female students in **Junior or Senior Division** whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration will be given to projects that increase the public awareness of the geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.

- | | | |
|--------------------|------|------|
| 1. (Certificate) - | #N/A | #N/A |
|--------------------|------|------|

INTEL EXCELLENCE IN COMPUTER SCIENCE

Each affiliated fair that has a computer science category may offer **one** Intel Excellence in Computer Science Award to the top first place winner of the Computer Science category in the **Senior Division** portion of the fair.

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|---------------------------|-----------------|--------|
| 1. (Certificate, \$200) - | 225 Kendall Fey | Ashley |
|---------------------------|-----------------|--------|

MU ALPHA THETA

Mu Alpha Theta wishes to provide **one** award to the project demonstrating the most challenging, thorough, and creative investigation of a problem involving modern mathematics.

1. (Certificate) - 216 Tyler Toepke Floyd Wishek

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

The National Society of Professional Engineers and Professional Engineers in Industry is pleased to provide an award to recognize the most outstanding engineering project.

1. (Certificate and a Lapel Pin) -
 216 Tyler Toepke Floyd Wishek

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Award to the individual, selected from among all the general award categories, whose research emphasizes NOAA's mission to understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

1. (Certificate) - #N/A #N/A

RICOH SUSTAINABLE DEVELOPMENT AWARD

Award to the individual, selected from among all the general award categories, whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses.

1. (Subscription to Science News Magazine) - 248 Nicholas Knoblich Ashley

SOCIETY FOR IN VITRO BIOLOGY

Awarded to the most outstanding **11th grade student** exhibiting in the areas of plant or animal in vitro biology or tissue culture.

1. (Certificate) - #N/A #N/A

STOCKHOLM JUNIOR WATER PRIZE

This award is presented to the best science fair project in **Senior Division** related to water quality, water resource management, water protection, water or wastewater treatment.

1. (Certificate) - 248 Nicholas Knoblich Ashley

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

The U.S. Public Health Service offers a special challenge for students in **Junior or Senior Division** to develop science projects in regional science fairs that creatively illustrate and expand upon the following:

1. Regular physical activity throughout life is important for maintaining a healthy body, enhancing psychological well being, and preventing premature death.
2. A healthy diet and regular physical activity are both important for maintaining a healthy weight.
3. Tobacco use is a major risk factor for heart disease, stroke, lung cancer, and chronic lung diseases-all leading causes of death.

1. (Certificate) - #N/A #N/A

U.S. METRIC ASSOCIATION

The U.S. Metric Association is providing one certificate to be presented to the student in **Junior or Senior Division** whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

1. (Certificate) - 229 Samantha Rangeloff KC Tappen

YALE SCIENCE AND ENGINEERING AWARD

The Yale Science and Engineering award is presented to the most outstanding **11th grade student** exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry.

1. (Certificate) - 229 Samantha Rangeloff KC Tappen

I-SWEEP, THE INTERNATIONAL SUSTAINABLE WORLD

Awarded to best project in **Senior Division** that promotes engineering innovations and energy efficiency/management discoveries, which will nurture environmentally-friendly technology concepts in secondary education.

1. (Certificate) - 230 Ross Knoll Ashley

GENIUS-OLYMPIAD EXCEPTIONAL GENIUS AWARD

Awarded to projects in **Senior Division** that focus on global environmental issues in ecology and biodiversity, environmental quality (air, water, soil), resources and energy, human ecology, and a special problem: oil removal from water. Winning students submit their project online for the opportunity to participate in the nation wide GENIUS-Olympiad.

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|-------------------|-----------------------|--------|
| 1. (Certificate)- | 248 Nicholas Knoblich | Ashley |
| 2. (Certificate)- | 230 Ross Knoll | Ashley |
| 3. (Certificate)- | 244 Taylor Ketterling | Wishek |

BROADCOM MASTERS (MATH, APPLIED SCIENCE, TECHNOLOGY AND ENGINEERING FOR RISING STARS)

Awarded to projects in **Junior Division** in the areas of science, technology, engineering, and math that inspires and encourages young scientists as innovators of the future.

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|-------------------|--------------------|-----------|
| 1. (Certificate)- | 111 Hunter Pinke | Wishek |
| 2. (Certificate)- | 115 Hayden McHenry | KC Tappen |
| 3. (Certificate)- | 114 Sean Loken | Wishek |

MILITARY AWARDS

U.S. AIR FORCE

Travis & Wells Charging Stand, Computer Backpack, and Leeds Scripto Flash Jotter Bundle Set.

JR. DIVISION

1	126 Katelyn Fastnacht	Ellendale
2	129 Marissa Fergel	Ellendale

SR. DIVISION

1	232 Wendy Eszlinger	Ashley
2	204 Jennifer Mahin	KC Tappen

U.S. ARMY

The Army Awards Program provides recognition to outstanding student exhibitors in the categories of Engineering, Environmental Sciences, Life Sciences, Mathematics/Computer Sciences, and Physical Sciences. Exhibitors in **grades 9 through 12** are eligible for recognition.

Categories:

Engineering: (Certificate) - 216 Tyler Toepke Floyd Wishek

Environmental Sciences: (may include projects in Earth and Space or Environmental Sciences)
(Certificate) - #N/A #N/A

Mathematics/Computer Science:
(Certificate) - 225 Kendall Fey Ashley

Life Sciences: (may include projects in Behavioral and Social Sciences, Medicine and Health, Microbiology, Zoology, or Botany) (Certificate) - 239 Kyle Zundel Ellendale

Physical Sciences: (may include projects in Biochemistry, Chemistry, or Physics)
(Certificate) - 248 Nicholas Knoblich Ashley

***Each individual above will also receive a backpack bearing the Army's science fair logo.**

***Pick one individual as the best of category winner.**

OUTSTANDING CATEGORY WINNER: Select from above categories.

(Medallion) - 248 Nicholas Knoblich Ashley

10 Additional Projects Can Be Recognized

1. (Certificate) -	#N/A	#N/A
2. (Certificate) -	#N/A	#N/A
3. (Certificate) -	#N/A	#N/A
4. (Certificate) -	#N/A	#N/A
5. (Certificate) -	#N/A	#N/A
6. (Certificate) -	#N/A	#N/A
7. (Certificate) -	#N/A	#N/A
8. (Certificate) -	#N/A	#N/A
9. (Certificate) -	#N/A	#N/A
10. (Certificate) -	#N/A	#N/A

U.S. NAVY/U.S. MARINES

Students in **Junior and Senior Divisions** whose projects are considered to demonstrate excellence in science or engineering can be recognized as U.S. Navy and Marine Corps Distinguished Achievement winners.

JR. DIVISION

1. (Certificate & Medallion) -	115 Hayden McHenry	KC Tappen
2. (Certificate & Medallion) -	127 Noah Froehling	Wishek
3. (Certificate & Medallion) -	110 Blaire Schnabel	Ashley

SR. DIVISION

1. (Certificate & Medallion) -	216 Tyler Toepke Floyd	Wishek
2. (Certificate & Medallion) -	207 Kelsey Dockter	KC Tappen
3. (Certificate & Medallion) -	248 Nicholas Knoblich	Ashley

REGIONAL AWARDS

BEST ANIMAL SCIENCE PROJECTS

WISHEK VETERINARY CLINIC & ASHLEY VETERINARY CLINIC

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to Animal Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|---------------------------|-----------|
| 1. (Plaque) - | 112 Paige Schmidt | KC Tappen |
| 2. (Certificate) - | 134 Reed Philip Eszlinger | Ashley |

SR. DIVISION

- | | | |
|--------------------|-------------------------|--------|
| 1. (Plaque) - | 203 Jonathan Ketterling | Wishek |
| 2. (Certificate) - | 238 Tanner Meidinger | Ashley |

BEST BEHAVIORAL & SOCIAL SCIENCE PROJECTS

PROGRESS ENTERPRISES

The award is presented to the most outstanding project in **Junior and Senior Division** related to Behavioral & Social Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|-----------------|--------|
| 1. (Plaque) - | 130 Kelly Bosch | Wishek |
| 2. (Certificate) - | #N/A | #N/A |

SR. DIVISION

- | | | |
|--------------------|----------------------|-----------|
| 1. (Plaque) - | 226 Charis Vanasse | Ellendale |
| 2. (Certificate) - | 220 Krystina Johnson | Ashley |

BEST BIOLOGICAL SCIENCE PROJECTS

TRACTOR SUPPLY COMPANY - JAMESTOWN

Award presented to the most outstanding project in **Junior and Senior Division** related to Biological Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|-----------------------|--------|
| 1. (Plaque) - | 122 Jacob Juelfs | Medina |
| 2. (Certificate) - | 108 Brenna Ketterling | Wishek |

SR. DIVISION

- | | | |
|--------------------|-------------------------|-----------|
| 1. (Plaque) - | 211 BreAnna Stroh | KC Tappen |
| 2. (Certificate) - | 203 Jonathan Ketterling | Wishek |

BEST CHEMISTRY PROJECTS

J FAMILY FARMS

Award is presented to the Outstanding **Junior Division** Chemistry or Chemistry Related Project. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|---------------------|-----------|
| 1. (Plaque) - | 128 Alec Stroh | KC Tappen |
| 2. (Certificate) - | 135 Miranda Ziegler | KC Tappen |

AMERICAN CHEMICAL SOCIETY (Red River Valley Section)

Award is presented to the Outstanding Chemistry or Chemistry Related Project in **Senior Division**.

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|---|-----------------|--------|
| 1. (Certificate, \$100 Savings Bond) -
(Set of Buckyballs, and a 5-in-1 Pen) | 245 Carl Entzie | Ashley |
|---|-----------------|--------|

CONSERVATION/AGRICULTURAL/ENVIRONMENTAL ANALYSIS

STUTSMAN COUNTY SOIL CONSERVATION

The award is presented to the best environmental analysis project in **Junior and Senior Divisions**. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

- | | | |
|--------------------|----------------------|--------|
| 1. (Plaque) - | 132 Trevor Meidinger | Wishek |
| 2. (Certificate) - | 102 Grace Schuler | Wishek |

SR. DIVISION

- | | | |
|--------------------|-----------------------|-----------|
| 1. (Plaque) - | 211 BreAnna Stroh | KC Tappen |
| 2. (Certificate) - | 244 Taylor Ketterling | Wishek |

ENVIRONMENTAL SCIENCES

PATRICK AND VALERIE LEIER FAMILY

Award to the project in the **Senior Division** related to environmental management. Plaque to the first place winner and certificate to the second place winner.

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|--------------------|------|------|
| 1. (Plaque) - | #N/A | #N/A |
| 2. (Certificate) - | #N/A | #N/A |

CONSERVATION/ENVIRONMENTAL

COALITION FOR CONSERVATION AND ENVIRONMENTAL EDUCATION

A large purple rosette ribbon is presented for a Grand Champion Environmental Award in **Junior or Senior Division** for regional competition.

1. (Purple Rosette Ribbon) - 102 Grace Schuler Wishek

BEST ENERGY PROJECTS

DAKOTA VALLEY ELECTRIC COOPERATIVE

The award is presented to the most outstanding project in **Junior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - 106 Hudson McHenry KC Tappen
2. (Certificate) - #N/A #N/A

MONTANA DAKOTA UTILITIES ENERGY AWARD

The award is presented to the most outstanding project in **Senior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - 230 Ross Knoll Ashley
2. (Certificate) - 229 Samantha Rangeloff KC Tappen

BEST ENGINEERING PROJECTS

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

The award is presented to the most outstanding project in **Junior and Senior Division** related to Engineering. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

1. (Plaque) - 111 Hunter Pinke Wishek
2. (Certificate) - 114 Sean Loken Wishek

SR. DIVISION

1. (Plaque) - 216 Tyler Toepke Floyd Wishek
2. (Certificate) - 228 Aaron Weber Wishek

BEST MATHEMATICS/PHYSICS PROJECTS

WISHEK MANUFACTURING

The award is presented to the most outstanding project in **Junior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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|--------------------|-----------------------|-----------|
| 1. (Plaque) - | 115 Hayden McHenry | KC Tappen |
| 2. (Certificate) - | 105 Nash Bettenhausen | Wishek |

SAYLER IMPLEMENT INC. - WISHEK

The award is presented to the most outstanding project in **Senior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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|--------------------|-----------------------|--------|
| 1. (Plaque) - | 237 Ben Schuler | Wishek |
| 2. (Certificate) - | 248 Nicholas Knoblich | Ashley |

BEST MEDICAL PROJECTS

WISHEK COMMUNITY HOSPITAL

The award is presented to the most outstanding project in **Junior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

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|--------------------|---------------------|--------|
| 1. (Plaque) - | 110 Blaire Schnabel | Ashley |
| 2. (Certificate) - | #N/A | #N/A |

ELLENDALE AVERA ST. LUKES CLINIC

The award is presented to the most outstanding project in **Senior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

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|--------------------|----------------------|--------|
| 1. (Plaque) - | 232 Wendy Eszlinger | Ashley |
| 2. (Certificate) - | 212 Tucker Meidinger | Ashley |

BEST MICROBIOLOGY PROJECTS

TITAN MACHINERY

The award is presented to the most outstanding project in ***Junior and Senior Divisions*** related to microbiology. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|------------------------|-----------|
| 1. (Plaque) - | 126 Katelyn Fastnacht | Ellendale |
| 2. (Certificate) - | 116 Zachary A. Fischer | Ashley |

SR. DIVISION

- | | | |
|--------------------|--------------------|-----------|
| 1. (Plaque) - | 209 Ellen Schnabel | Ashley |
| 2. (Certificate) - | 201 Rachel Herman | Ellendale |

BEST PHOTOGRAPHY

SCHOOL PRIDE GROUP

This award is presented to the most outstanding project in ***Junior and Senior Division*** that uses photography to best illustrate concepts or results.

JR. DIVISION

- | | | |
|--------------------------------------|------------------|--------|
| 1. (Certificate & Joby Gorillapod) - | 111 Hunter Pinke | Wishek |
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SR. DIVISION

- | | | |
|--------------------------------------|--------------------|--------|
| 1. (Certificate & Joby Gorillapod) - | 240 Jayden Lippert | Ashley |
|--------------------------------------|--------------------|--------|

BEST PLANT SCIENCE PROJECTS

DICKEY AND LAMOURE EXTENSION SERVICE OFFICES

The award is presented to the most outstanding project in ***Junior and Senior Division*** related to Plant Sciences. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|-----------------------|--------|
| 1. (Plaque) - | 122 Jacob Juelfs | Medina |
| 2. (Certificate) - | 108 Brenna Ketterling | Wishek |

SR. DIVISION

- | | | |
|--------------------|-----------------------|-----------|
| 1. (Plaque) - | 211 BreAnna Stroh | KC Tappen |
| 2. (Certificate) - | 244 Taylor Ketterling | Wishek |

BEST SCIENTIFIC PRINCIPLES

CAVENDISH FARMS

Award to the project in the *Junior Division* for best illustration of scientific principles, i.e., the best use of the scientific method.

1. (Certificate, \$50) - 111 Hunter Pinke Wishek

CHARLES NAZE ACADEMIC EXCELLENCE AWARD

Award presented for the most outstanding project in *Senior Division* exhibiting of scientific data to explain what took place in the experiment and why. Plaque and \$25 cash prize to the first place winner and certificate to second place winner.

1. (Plaque, \$25) - 248 Nicholas Knoblich Ashley
2. (Certificate) - 216 Tyler Toepke Floyd Wishek

SOUTHEAST CENTRAL REGION YOUNG SCIENTIST AWARD (JR DIVISION ONLY)

Southeast Central Region Young Scientist Challenge is designed to award students in **6th, 7th, or 8th Grade** for their knowledge of science and their ability to conduct independent research as evidenced through a science fair project. Sponsored by RTS Shearing.

1. (Cert. & Medallion)	122 Jacob Juelfs	Medina
2. (Cert. & Medallion)	102 Grace Schuler	Wishek
3. (Cert. & Medallion)	111 Hunter Pinke	Wishek
4. (Cert. & Medallion)	114 Sean Loken	Wishek
5. (Cert. & Medallion)	108 Brenna Ketterling	Wishek
6. (Cert. & Medallion)	132 Trevor Meidinger	Wishek
7. (Cert. & Medallion)	121 Caleb Mahin	KC Tappen
8. (Cert. & Medallion)	116 Zachary A. Fischer	Ashley
9. (Cert. & Medallion)	129 Marissa Fergel	Ellendale
10. (Cert. & Meallion)	115 Hayden McHenry	KC Tappen

BEST DRINKING WATER RELATED PROJECT

RURAL WATER USERS ASSOCIATION

The award is presented to the most outstanding project in **Junior or Senior Division** related to drinking water.

1. (Plaque & \$50) - 248 Nicholas Knoblich Ashley

BEST WATER QUALITY PROJECTS

SOUTHEAST WATER USERS

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to water quality. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - 102 Grace Schuler Wishek
2. (Certificate) - 132 Trevor Meidinger Wishek

SR. DIVISION

1. (Plaque) - 248 Nicholas Knoblich Ashley
2. (Certificate) - 250 Briar Petermann Ashley

NORTH DAKOTA SECTION OF AMERICAN WATER WORKS ASSOCIATION (AWWA)

This award is presented to the top project in **Junior and Senior Divisions** related to drinking water quality.

JR. DIVISION

1. (Certificate & Water Bottle)- #N/A #N/A

SR. DIVISION

1. (Certificate & Water Bottle)- 248 Nicholas Knoblich Ashley

BEST WILDLIFE RELATED PROJECTS

CONSERVATION-STUTSMAN COUNTY WILDLIFE FEDERATION

JR. DIVISION

1. (Plaque) - 132 Trevor Meidinger Wishek
2. (Certificate) - #N/A #N/A

SR. DIVISION

1. (Plaque) - 240 Jayden Lippert Ashley
2. (Certificate) - 238 Tanner Meidinger Ashley