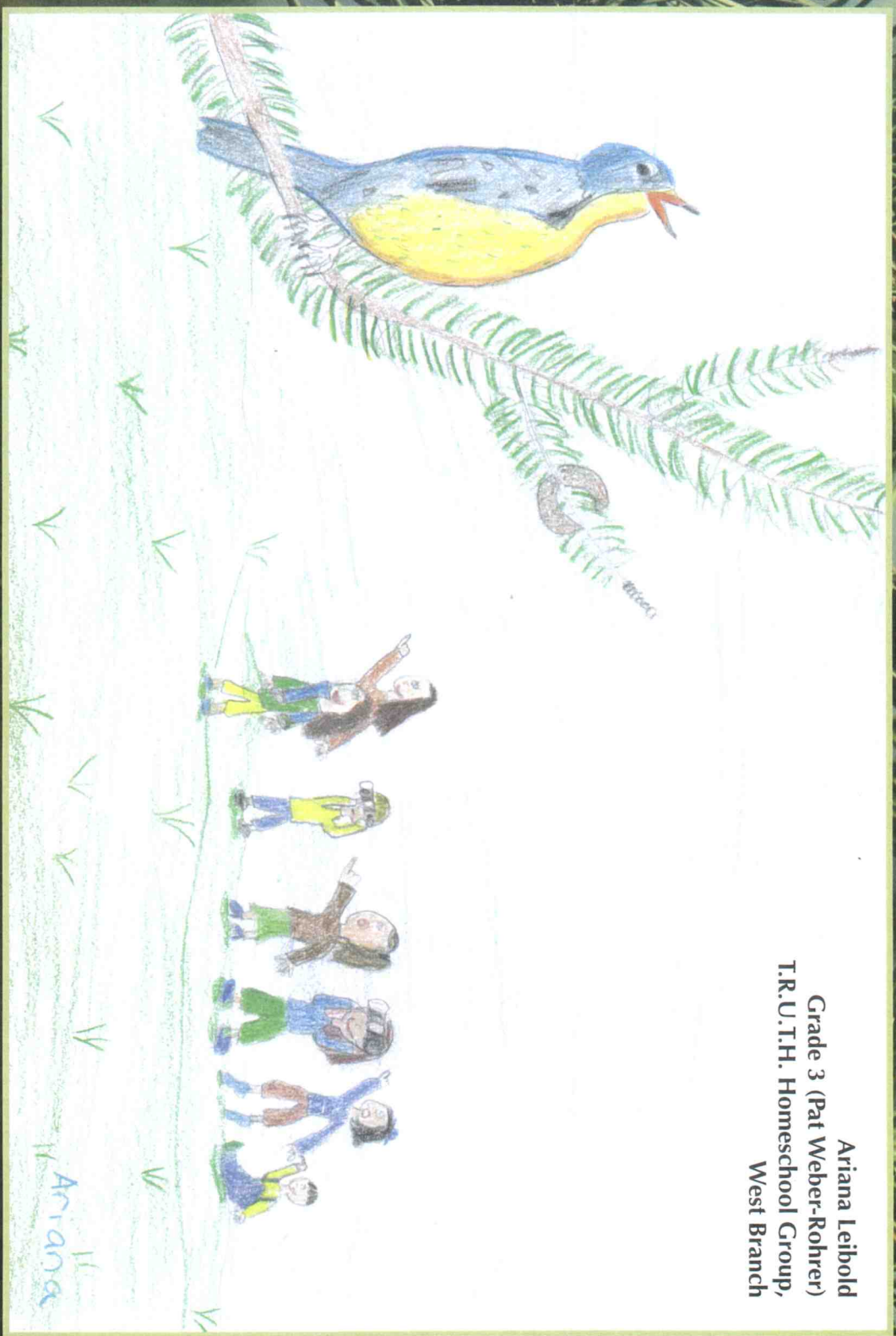


2010-2011 Young Artists Calendar

\$5.00

Ariana Leibold
Grade 3 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool Group,
West Branch



Kirtland's Warbler
Wildlife Festival
warbler.kirtland.edu



A celebration of the Kirtland's warbler and other wildlife that call Michigan and the Bahamas home!



Danielle Howard
Grade 8 (Mr. Goulette)
Roscommon Middle School,
Roscommon

Get to know two countries' rarest warbler

The Kirtland's warbler (*Dendroica kirtlandii*) is our country's rarest warbler. It was one of the first birds to be placed on the Endangered Species List after passage of the Endangered Species Act of 1973. This small warbler, with its gray-blue back and bright yellow breast, nearly became extinct just a few decades ago.

During spring and summer, most Kirtland's warblers nest in just one place – the jack pine forests of northern Michigan. Within the past decade, however, it has expanded its summer breeding range to parts of Wisconsin and Ontario, Canada.

In the fall, the Kirtland's migrates to The Bahamas where it overwinters before returning in early May.

The bird's near extinction came about primarily because of changes in its habitat.

The warbler nests on the ground beneath the lower branches of jack pine that are between five and 20 feet tall. They prefer a special type of sandy soil found in just a few counties in northern Michigan.

When Europeans began to impact the forests in northern Michigan, the nesting habitat of the Kirtland's began to disappear. Prior to modern fire suppression methods, large natural wildfires frequently burned thousands of acres of jack pine forest in



Matthew Alderton
Grade 3 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool Group,
West Branch

northeastern Lower Michigan, providing natural habitat for the warbler.

However, modern fire suppression efforts have substantially decreased the frequency and size of wildfires, significantly reducing the amount of nesting habitat produced for this bird. While fire suppression is necessary to protect human life, property and valuable natural resources, it eliminates a natural disturbance factor on which many species of animals, plants and insects depend.

In addition, Kirtland's warbler nests are parasitized by the brown-headed cowbird. The cowbird lays its eggs in the nests of other birds and has expanded its range into Michigan due to the cutting of forests to create farmland. This parasitism greatly reduces the survival of Kirtland's warbler young.

Today, the Kirtland's warbler is on the comeback because of man's intervention. Harvest of jack pine forests by state and federal agencies

have restored the habitat of the Kirtland's warbler. A brown-headed cowbird trapping program is also maintained.

At one point the total Kirtland's warbler population numbered in the low hundreds. However, the most recent census (June 2010) counted 1,792 singing males.

Jack pine forests are unique ecosystem and their management benefits many other plant and animal species.

Kia Bedtelyon
 Grade 7 (Pat Weber-Röhren)
 T.R.U.T.H. Homeschool Group,
 West Branch



OCTOBER 2010



The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|--|--|---|---|--|
| | | | | | 1 | 2 KCC Cross Country at LCC Stars Invite at Grand Woods Park in Lansing, noon |
| 3 | 4 | 5 | 6 | 7 • | 8 KCC Firebirds Cross Country Invite, 3 p.m. National Children's Day | 9 Leif Erikson Day |
| 10 | 11 Columbus Day Thanksgiving Canada | 12 KCPA Travel Adventure, "Barbados" Discovery Day Bahamas | 13 | 14 College Night at Kirtland CC Student Center, 6-7:30 p.m. | 15 | 16 KCC Cross Country at Fairview, noon National Boss Day Sweetest Day |
| 17 | 18 | 19 | 20 | 21 KCC Board of Trustees, 7 p.m. at Kirtland House | 22 | 23 ○ Rich Little presents "Jimmy Stewart" at KCPA, 7 p.m. |
| 24/31 Mother-In-Law Day (24th) Halloween (31st) | 25 | 26 | 27 Kirtland Youth Theater presents, "Darwin the Dinosaur," at KCPA | 28 KCC Student Activities Student Halloween Party at Student Center | 29 Kirtland Regional Police Academy graduation | 30 KCC womens basketball at MAC in Mio, 2 p.m. KCC cross country MCCA Reg. XII, noon in Lansing |

SEPTEMBER 2010

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Faith Ignasiak
 Grade 3
 (Mrs. Kish & Miss Wangler)
 St. Joseph Catholic School,
 West Branch



WARBLER WONDERS: Federal and state agencies manage nearly 200,000 acres of jack pine in Michigan for the Kirtland's and other species of plants and animals. Only about one-fifth of this is Kirtland's warbler breeding habitat at any given time.

NOVEMBER 2010

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Madison Kaiser
Grade 1 (Mrs. Colclasure)
Surline Elementary School,
West Branch

NOVEMBER 2010



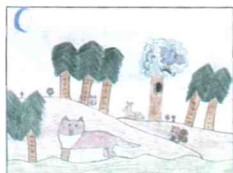
The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|----------------------------------|---|---|--|---|
| | 1 All Saints' Day KCC basketball vs. Mid Michigan at MAC in Mio, 5:30/7:30 p.m. | 2 All Souls' Day Election Day | 3 | 4 | 5 KCC mens basketball at Triton College (IL) tourney, TBA | 6 ● KCC mens basketball at Triton College (IL) tourney, TBA |
| 7 Daylight Saving Time Ends | 8 Early winter registraton through Nov. 19 KCC womens basketball at Ind. Tech JV, 5:30 p.m. | 9 | 10 | 11 Veterans Day (Armistice Day) Remembrance Day Canada Blood drive at KCC | 12 Last day to withdraw from classes at KCC for fall 2010 semester | 13 KCC womens basketball at Owens CC tourney, TBA; mens at Grand Rapids, 3 p.m. |
| 14 KCC womens basketball at Owens CC tourney, TBA | 15 Season opener, Michigan firearms deer season | 16 | 17 KCC basketball at Lansing CC, 5:30/7:30 p.m. KYT, "Step Afrika" | 18 KCC Board of Trustees, 7 p.m. | 19 | 20 Step Afrika at KCPA, 7 p.m. KCC womens basketball at St. Clair (Windsor) |
| 21 ○ | 22 | 23 | 24 Start of Thanksgiving Break | 25 Thanksgiving Day | 26 Firebirds Thanksgiving Tourney, at MAC in Mio, TBA | 27 Firebirds Thanksgiving Tourney, at MAC in Mio, TBA |
| 28 | 29 | 30 | | | | |

OCTOBER 2010

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Kimberly Mendoza
Grade 4
(Ms. Fieldhauser)
Graying Elementary School,
Graying



WARBLER WONDERS: Jack pine forests are home to many wildlife species. Kirtland's warblers, deer and snowshoe hare are examples of those that live in young to middle-aged jack pine. Spruce grouse and woodpeckers may be found in older habitat.

DECEMBER 2010

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Conor Gough
Grade 6 (Mr. Cleland)
Sudline Middle School
West Branch



DECEMBER 2010



The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|--------|--|--|--|--|---|
| | | | 1 KCC basketball at Schoolcraft 5:30/7:30 p.m. | 2 Hanukkah begins | 3 KCC womens basketball at Jamestown (NY) tourney, Dec. 3-4, TBA | 4 Jim Witter "Christmas Memories" at KCPA, 7 p.m. KCC mens bball at Columbus, 3:30 p.m. |
| 5 | 6 | 7 National Pearl Harbor Remembrance Day Wright Brothers Day Islamic New Year | 8 | 9 KCC Board of Trustees, 7 p.m. | 10 KCC mens and womens basketball at Alpena CC tourney, TBA | 11 End of fall semester at KCC KCC basketball at Alpena CC tourney, TBA |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 KCC basketball at Mid Michigan 1/3 p.m. |
| 19 | 20 | 21 ○ First Day of Winter Forefather's Day | 22 | 23 Start of holiday break, KCC closes at 2:30 p.m. and re-opens Jan. 3 | 24 Christmas Eve | 25 Christmas Day |
| 26 Boxing Day Junkaboo Bahamas Kwanzaa begins | 27 | 28 | 29 | 30 KCC basketball at Muskegon CC 5:30/7:30 p.m. | 31 New Year's Eve | |

NOVEMBER 2010

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Emma Waack
Grade 4
(Miss Wangler)
St. Joseph Catholic School,
West Branch



WARBLER WONDERS: The Kirtland's warbler, considered a habitat specialist, nests on the ground and typically selects nesting sites in stands of jack pine less than 20 years old. The warbler, however, does not nest while wintering in The Bahamas.

JANUARY 2011

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Stephanie Eckstorm
Grade 4 (Mrs. Chidester)
Houghton Lake Middle School,
Houghton Lake

JANUARY 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--|---------|--|----------------------------------|-------------------------------------|---|
| | | | | | | 1 New Year's Day Junkanoo Bahamas |
| 2 | 3 KCC basketball vs St. Clair CC at MAC in Mio, 5:30/7:30 p.m. | 4 • | 5 Winter registration at KCC till Jan. 8 KCC basketball at MAC in Mio, 5:30/7:30 p.m. | 6 | 7 | 8 Winter semester begins at KCC KCC basketball at Henry Ford, 1/3 p.m. |
| 9 | 10 Save The Eagles Day | 11 | 12 KCC basketball vs. Alpena CC at MAC in Mio, 5:30/7:30 p.m. | 13 | 14 | 15 KCC basketball vs. Macomb CC at MAC in Mio, 1/3 p.m. |
| 16 | 17 Benjamin Franklin and Martin Luther King Jr.'s birthdays | 18 | 19 ○ Blood drive at KCC | 20 KCC Board of Trustees, 7 p.m. | 21 | 22 KCC basketball at Mott CC, 1/3 p.m. |
| 23/30 | 24/31 | 25 | 26 Australia Day KCC basketball vs. Delta at MAC in Mio, 5:30/7:30 p.m. | 27 | 28 Gabriel Bolkosky, 7 p.m. at KCPA | 29 KCC basketball vs. Schoolcraft at MAC in Mio, 1/3 p.m. |

DECEMBER 2010

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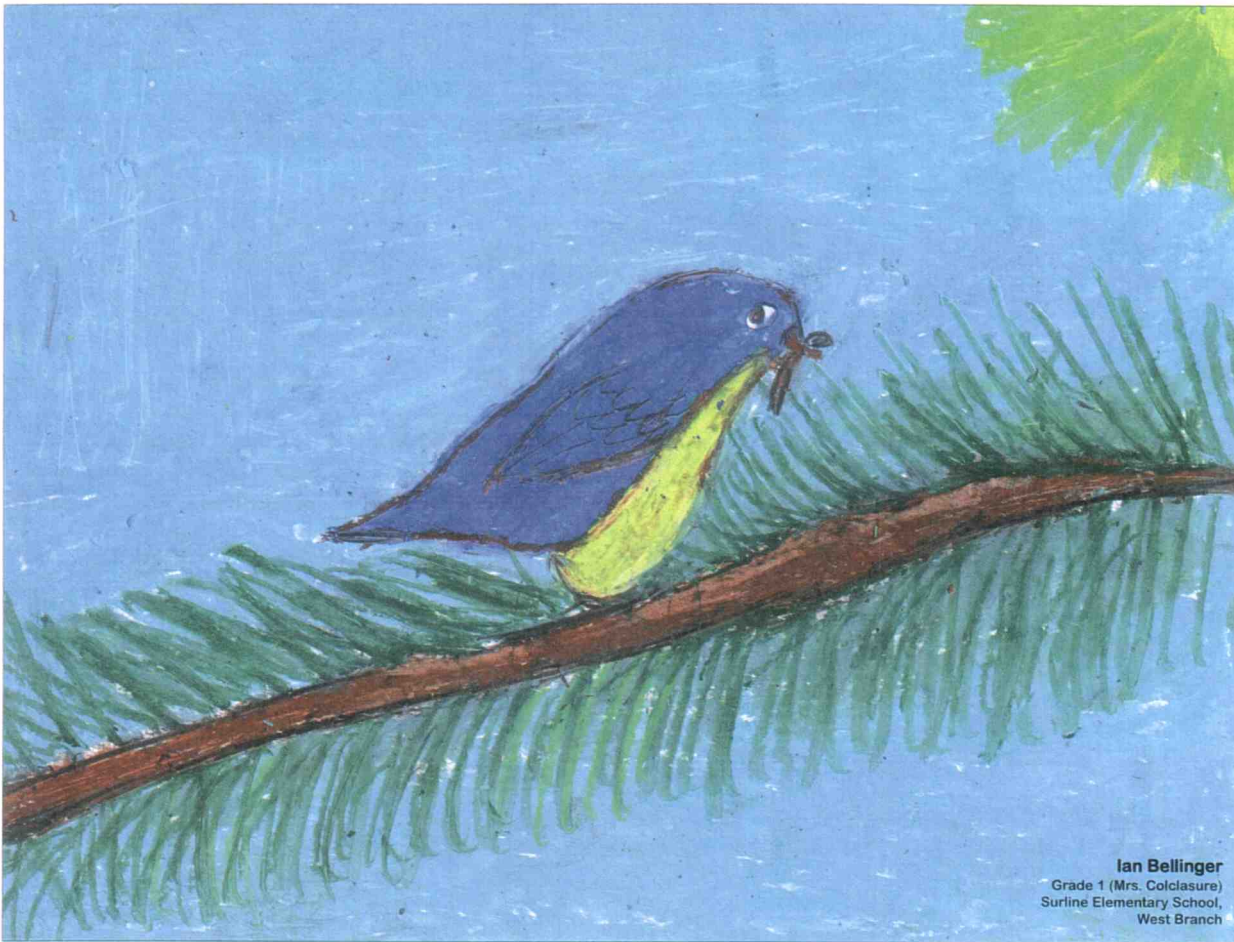
Brady Zettle
Grade 2
(Ms. Joyce Stander)
St. Joseph Catholic School,
West Branch



WARBLER WONDERS: The Kirtland's warbler was one of the first species listed as endangered under the federal Endangered Species Act of 1973.

FEBRUARY 2011

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Ian Bellinger
Grade 1 (Mrs. Colclasure)
Surline Elementary School,
West Branch

FEBRUARY 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--|---|---|----------------------------------|--|---|
| | | 1 National Freedom Day KCC Winter Welcome Days, Feb. 1-2 | 2 Groundhog Day KCC basketball at St. Clair CC, 5:30/7:30 p.m. | 3 ● Chinese New Year | 4 | 5 KCC basketball at Oakland CC, 1/3 p.m. |
| 6 | 7 | 8 Boy Scout Day | 9 KCC basketball vs. Henry Ford CC at MAC in Mio, 5:30/7:30 p.m. | 10 | 11 | 12 Lincoln's birthday The Red Green Show at KCPA, 7 p.m. |
| 13 | 14 Valentine's Day | 15 | 16 KCC basketball at Macomb CC, 5:30/7:30 p.m. | 17 KCC Board of Trustees, 7 p.m. | 18 ○ | 19 |
| 20 | 21 Presidents' Day KCC basketball at MAC in Mio, 5:30/7:30 p.m. | 22 Washington's birthday | 23 KCC basketball at Delta, 1/3 p.m. | 24 | 25 KCPA special event, "The Best of the Eisenhower Dance Ensemble" | 26 |
| 27 | 28 Start of spring break | | | | | |

JANUARY 2011

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Russell Mansfield
Grade 2
(Jenny Hatfield)
AuSable Primary School,
Grayling



WARBLER WONDERS: All of the plants in the jack pine ecosystem are adapted to disturbance by fire. Jack pine have extremely flammable needles and serotinous cones – cones that only open after being heated by fire.

MARCH 2011

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Katie Byers
Grade 7 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool Group,
West Branch

MARCH 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------------------------------|--------|-----------------------------|---|---|--|---------------------------------|
| | | 1 | 2 Read Across America Day Dr. Seuss' Birthday | 3 | 4 ● Deadline for KCC students to order cap/gown | 5 |
| 6 Spring Break ends | 7 | 8 Fat Tuesday Mardi Gras | 9 Ash Wednesday | 10 | 11 | 12 Irish Rovers at KCPA, 7 p.m. |
| 13 Daylight Saving Time Begins | 14 | 15 | 16 Phi Theta Kappa Honor Society Induction KYT, "If You Give a Mouse a Cookie" | 17 St. Patrick's Day KCC Board of Trustees, 7 p.m. | 18 | 19 ○ |
| 20 First Day of Spring | 21 | 22 | 23 | 24 | 25 | 26 |
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FEBRUARY 2011

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Kristen Burrick
Grade 6
(Mrs. Lawrence)
Crawford Excelsior School,
Kalkaska



WARBLER WONDERS: Kirtland's warblers were found in 16 counties in Michigan in 2010. But more than 80 percent of those were found in just five counties - Alcona, Crawford, Iosco, Ogemaw and Oscoda - in northern Lower Michigan.

APRIL 2011

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Jacob Halliday
 Grade 4 (Mrs. Chidester)
 Houghton Lake Middle School,
 Houghton Lake



APRIL 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|-----------|---|--|-------------------------------------|----------------------------------|---|--|
| | | | | | 1 All Fool's Day | 2 |
| 3 • | 4 Early summer and fall registration at KCC, April 4-15 | 5 | 6 | 7 | 8 Last day to withdraw from classes at KCC for winter 2011 semester | 9 Papa Doo Run Run tribute to Beach Boys at KCPA, 7 p.m. |
| 10 | 11 | 12 Kirtland Youth Theater, "Happily Ever After" at KCPA | 13 | 14 | 15 Income Taxes Due | 16 |
| 17 | 18 ○ | 19 KCPA Travel Adventure Series, "Yellowstone: Trails and Tales" | 20 Blood drive at KCC | 21 KCC Board of Trustees, 7 p.m. | 22 Good Friday Earth Day Start of Easter Break | 23 |
| 24 Easter | 25 Easter Monday Canada and Bahamas | 26 | 27 Administrative Professionals Day | 28 | 29 Arbor Day KRPA Graduation Commencement at Kirtland CC | 30 |

MARCH 2011

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Cheyenne Ruppert
 Grade K
 (Mrs. Barclay)
 Hale Elementary School,
 Hale



WARBLER WONDERS: Most Kirtland's warblers nest in the northeastern portion of Michigan's Lower Peninsula. A small number of the song bird nest in the Upper Peninsula, as well as in parts of Wisconsin and Ontario, Canada.

MAY 2011

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JUDGES' SPECIAL HONOREE!
Anna DeVine
 Grade 5 (Pat Weber-Rohrer)
 T.R.U.T.H. Homeschool Group,
 West Branch



MAY 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|---|---------------------------------|---|-------------------------------------|--------|---|
| 1 Winter semester at Kirtland CC officially ends May Day | 2 | 3 ● National Teachers Day | 4 | 5 Cinco de Mayo | 6 | 7 Robin Spielberg at KCPA, 7 p.m. Join Hands Day |
| 8 Mother's Day | 9 | 10 | 11 Summer and fall semester registration at KCC, May 11-14 | 12 Nurses Day | 13 | 14 |
| 15 | 16 Start of summer semester at Kirtland CC | 17 ○ | 18 | 19 KCC Board of Trustees, 7 p.m. | 20 | 21 Kirtland's Warbler Wildlife Festival at Kirtland CC Armed Forces Day |
| 22 National Maritime Day | 23 Victoria Day Canada | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 Memorial Day | 31 | | | | |

APRIL 2011

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Lindsay Gutierrez
 Grade 6
 (Mr. Clelland)
 Surline Middle School,
 West Branch



WARBLER WONDERS: Kirtland's warblers migrate about 1,500 miles to The Bahamas each winter. The birds leave in early August and return to Michigan in May. The little song birds can make the trip in as little as 13 days.

JUNE 2011

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Savannah Wright
Kindergarten (Mrs. Colclasure)
Surline Elementary School,
West Branch

JUNE 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------------------------------------|------------------------------|---------------------------|-----------|--|-------------------------|---|
| | | | 1 • | 2 | 3 Labour Day Bahamas | 4 An Evening with Jeff Daniels at KCPA, 7 p.m. |
| 5 World Environment Day | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 Whit Monday Bahamas | 14 Flag Day | 15 ○ | 16 KCC Board of Trustees, 7 p.m. | 17 | 18 |
| 19 Father's Day Juneteenth | 20 | 21 First Day of Summer | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 Paul Bunyan Day | 29 | 30 | | |

MAY 2011

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Robin
Deisig
Grade 5
(Lucy Mang)
Gaylord
Intermediate
School,
Gaylord



WARBLER WONDERS: The Kirtland's warbler survey, a count of males identified by song, is conducted each year over a 15-day period in early June. This is when the male warblers are singing vigorously to mark and defend their nesting territories.

JULY 2011

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Luke Weaver
 Kindergarten (Mrs. Winter)
 Surline Elementary School,
 West Branch

JULY 2011



The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|-------------------------------------|--|-----------|-------------------------------------|--|----------|
| | | | | | 1 ● Canada Day | 2 |
| 3 | 4 Independence Day KCC closed | 5 Registration for fall 2011 semester at KCC, July 5-15 | 6 | 7 | 8 Last day to withdraw from classes at KCC for summer 2011 semester | 9 |
| 10 Independence Day Bahamas | 11 | 12 | 13 | 14 Bastille Day | 15 ○ | 16 |
| 17 | 18 | 19 | 20 | 21 KCC Board of Trustees, 7 p.m. | 22 | 23 |
| 24/31 Parents' Day (24 th) | 25 | 26 | 27 | 28 | 29 | 30 ● |

JUNE 2011

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Syeanne Young
 Grade 5
 (Mrs. Clouse)
 Fairview Area Schools,
 Fairview



WARBLER WONDERS: Kirtland's warblers feed on a variety of crawling and flying insects and larvae. In midsummer, they feed on blueberries when the fruits ripen. Kirtland's feed on insects and small fruits in the Bahamas during the winter.

AUGUST 2011

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| 28 | 29 | 30 | 31 | | | |

Brittany Brotherton
 Grade 8 (Mr. Goulette)
 Roscommon Middle School,
 Roscommon



AUGUST 2011



The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---------------------|------------------------------------|---------|-----------|--|-----------------------------|---|
| | 1 End of summer semester at KCC | 2 | 3 | 4 | 5 | 6 |
| 7 Friendship Day | 8 Emancipation Day Bahamas | 9 | 10 | 11 | 12 | 13 ○ |
| 14 | 15 | 16 | 17 | 18 KCC Board of Trustees, 7 p.m. | 19 National Aviation Day | 20 Official start of 2011 fall semester at KCC |
| 21 | 22 | 23 | 24 | 25 | 26 Women's Equality Day | 27 |
| 28 | 29 ● | 30 | 31 | | | |

JULY 2011

| | | | | | | |
|----|----|----|----|----|----|----|
| S | M | I | W | T | F | S |
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| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

Ethan Rasch
 Grade 5
 (Mr. Blomquist)
 Hale Middle School, Hale



WARBLER WONDERS: Jack pine stands develop on sandy soils after large forest fires, or after clearcutting and planting. Today, most Kirtland's warblers nest in jack pine plantations.

SEPTEMBER 2011

| | | | | | | | |
|----|----|----|----|----|----|----|---|
| S | M | I | W | T | F | S | |
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| 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 25 | 26 | 27 | 28 | 29 | 30 | | |



Jared Winters
Grade 5 (Mr. Clelland)
Surline Middle School,
West Branch

SEPTEMBER 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|------------------------------------|-------------|---------|-----------|-------------------------------------|---|----------------------------|
| | | | | 1 | 2 | 3 |
| 4 | 5 Labor Day | 6 | 7 | 8 | 9 | 10 |
| 11 Patriot Day Grandparents Day | 12 ○ | 13 | 14 | 15 KCC Board of Trustees, 7 p.m. | 16 Stepfamily Day | 17 Constitution Day & Week |
| 18 | 19 | 20 | 21 | 22 | 23 Native American Day First Day of Autumn | 24 |
| 25 | 26 | 27 ● | 28 | 29 | 30 | |

AUGUST 2011

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
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| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

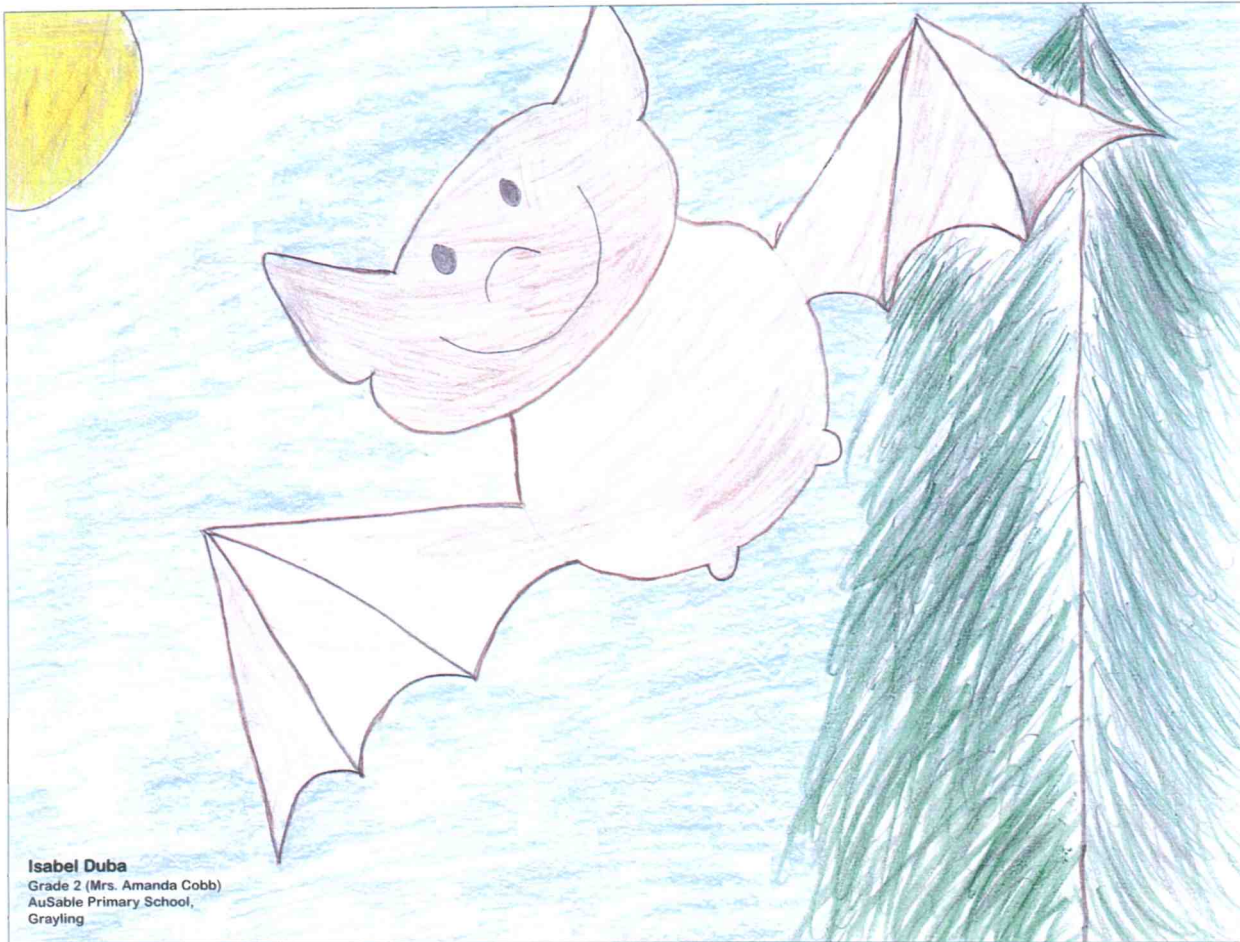
Reagan Moffit
Grade 7
(Ms. Zuker)
Roscommon Middle School,
Roscommon



WARBLER WONDERS: After laying four to five eggs, only the female Kirtland's warbler will incubate the eggs for about 14 days. While on the nest, the male brings food to her. The eggs are buff or pinkish white, with brown spots at the larger end.

OCTOBER 2011

| S | M | T | W | T | F | S |
|-------|-------|----|----|----|----|----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23/30 | 24/31 | 25 | 26 | 27 | 28 | 29 |



Isabel Duba
Grade 2 (Mrs. Amanda Cobb)
AuSable Primary School,
Grayling

OCTOBER 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---------|----------------------------------|-------------------------------------|--------|---------------------------|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 National Children's Day |
| 9 Leif Erikson Day | 10 Columbus Day Thanksgiving Canada | 11 | 12 ○ Discovery Day Bahamas | 13 | 14 | 15 Sweetest Day |
| 16 National Boss Day | 17 | 18 | 19 | 20 KCC Board of Trustees, 7 p.m. | 21 | 22 |
| 23/30 Mother-In-Law Day (23 rd) | 24/31 Halloween (31 st) | 25 | 26 ● | 27 | 28 | 29 |

SEPTEMBER 2011

| S | M | I | W | T | F | S |
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| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

Jere Getzinger
Grade 2
(J. Stander)
St. Joseph Catholic School,
West Branch



WARBLER WONDERS: Kirtland's warblers spend their winters (while in the Bahamas) in dense, low scrub vegetation where they feed on insects and small fruits, such as wild sage, black torch and snowberry.

NOVEMBER 2011

| S | M | I | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

Garrett Beebe
Grade 2 (Mrs. Barnes)
Hale Elementary School,
Hale



NOVEMBER 2011



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------------------------------|--------|--|---------------------|---|---------|------------------------|
| | | 1 All Saints' Day | 2 All Souls' Day | 3 | 4 | 5 |
| 6 Daylight Saving Time Ends | 7 | 8 | 9 | 10 ○ Veterans Day (Armistice Day) | 11 | 12 |
| 13 | 14 | 15 Season opener, Michigan firearms deer season | 16 | 17 KCC Board of Trustees, 7 p.m. at Kirtland House | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 Thanksgiving Day | 25 ● | 26 Islamic New Year |
| 27 | 28 | 29 | 30 | | | |

OCTOBER 2011

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
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| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
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| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |

Kaitlyn Girardin
Grade 4 (Jeffrey Fitzgibbon)
Houghton Lake Middle School,
Houghton Lake



WARBLER WONDERS: Only male Kirtland's warblers sing. And, on a calm day, the male's song can be heard a quarter of a mile away.

DECEMBER 2011

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
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| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

Johnnecia Pinder
 Grade 2 (Mrs. A. Sands)
 Rock Sound Primary School,
 Eleuthera, The Bahamas



DECEMBER 2011



The Kirtland's Warbler Wildlife Festival is brought to you by Kirtland Community College, Michigan Dept. of Natural Resources & Environment, U.S. Forest Service, U.S. Fish & Wildlife Service and many dedicated volunteers.

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|-------------------------------------|--|---------|---|--|--------|------------------------|
| | | | | 1 Kirtland Youth Theater, "The Fantastic Toy Shoppe" at KCPA | 2 | 3 |
| 4 | 5 | 6 | 7 National Pearl Harbor Remembrance Day | 8 | 9 | 10 ○ |
| 11 End of 2011 fall semester at KCC | 12 | 13 | 14 | 15 KCC Board of Trustees, 7 p.m. | 16 | 17 Wright Brothers Day |
| 18 | 19 | 20 | 21 First Day of Winter Forefather's Day Hanukkah begins | 22 | 23 | 24 ● Christmas Eve |
| 25 Christmas Day | 26 Boxing Day Junkaboo Bahamas Kwanzaa begins | 27 | 28 | 29 | 30 | 31 New Year's Eve |

NOVEMBER 2011

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

Claudia Wilson
 Grade 3
 (Rosanne Miller)
 Fairview Area Schools,
 Fairview



WARBLER WONDERS: Brown-headed cowbirds lay their eggs in Kirtland's warbler's nests, with the warblers then raising cowbird young instead of their own. Since 1972, cowbird trapping has significantly reduced nest parasitism.

JANUARY 2012

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |



Christopher Nouhan
Grade 6 (Mr. Cleland)
Surline Middle School,
West Branch

JANUARY 2012



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| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|---|--|-----------|---|--------|--|
| 1 New Year's Day Junkanoo Bahamas | 2 | 3 | 4 | 5 | 6 | 7 Official start of 2012 winter semester at KCC |
| 8 | 9 | 10 Save The Eagles Day | 11 | 12 | 13 | 14 |
| 15 | 16 Martin Luther King Jr.'s birthday | 17 Benjamin Franklin's birthday | 18 | 19 KCC Board of Trustees, 7 p.m. | 20 | 21 |
| 22 | 23 Chinese New Year | 24 | 25 | 26 Australia Day | 27 | 28 |
| 29 | 30 | 31 | | | | |

DECEMBER 2011

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

Kaysheena
Collins
Grade 6
(Mrs. Glenda
M. Miller)
Wemyss Bight
Primary
School,
The Bahamas



WARBLER WONDERS: Kirtland's warblers usually return to the same location for their wintering grounds in the Bahamas year after year. There, a small warbler will typically range over a 50-acre area until its return to Michigan in early May.

FEBRUARY 2012

| S | M | T | W | T | F | S |
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| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | | | |

HONORABLE MENTION



Crimsun Hayes
Grade 2 (Jenny Hetfield)
AuSable Primary School, Grayling



Emma Mertes
Grade 2 (Jenny Hetfield)
AuSable Primary School, Grayling



Jenna Schwartz
Grade 2 (Mrs. Kami Boik)
AuSable Primary School, Grayling



Brett Turner
Grade 2 (Cheryl Hatfield)
AuSable Primary School, Grayling



Leah Klein
Grade 7 (Sue Lawrence)
Crawford Excelsior School, Kalkaska



Malayna Swartzendruber
Grade K (Erin Howard)
Crawford Excelsior School, Kalkaska



Sam Herbon
Grade 1 (Mrs. Howard)
Crawford Excelsior School, Kalkaska



Foster Krone
Grade 3 (Rosanne Miller)
Fairview Area Schools, Fairview



Jenna DeJarlais
Grade 5 (Mrs. Clouse)
Fairview Area Schools, Fairview



Jeremy Fleszar
Grade 5 (Mrs. Clouse)
Fairview Area Schools, Fairview



Tala Barton
Grade 5 (Mrs. Clouse)
Fairview Area Schools, Fairview



Amairis Blair
Grade 3 (Ms. Schlachter)
Grayling Elementary School, Grayling



Ashley Vitale
Grade 3 (Ms. Schlachter)
Grayling Elementary School, Grayling



Emma Bonamie
Grade 3 (Mrs. Canfield)
Grayling Elementary School, Grayling



Amber Leonard
Grade 3 (Mrs. Rasch)
Hale Elementary School, Hale



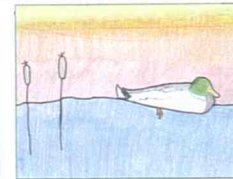
Gage Everitt
Grade 3 (Mrs. Look)
Hale Elementary School, Hale



Hannah Moffatt
Grade 3 (Mrs. Look)
Hale Elementary School, Hale



Kaycee Max
Grade 4 (Mrs. Baczynski)
Hale Elementary School, Hale



Felicity Wright
Grade 5 (Mrs. Hasty)
Hale Middle School, Hale



Keely Bigger
Grade 5 (Mrs. Hasty)
Hale Middle School, Hale



Synthia Shellenbarger
Grade 2 (Mrs. Hasty)
Hale Middle School, Hale



Hunter Tyrrell
Grade 4 (Mrs. Chidester)
Houghton Lake Middle, Houghton Lake



Megan Hadley
Grade 3 (Mrs. House)
Houghton Lake Middle, Houghton Lake



Dominick Burkett
Grade 1 (Mrs. Bawek)
Our Lady of the Lake School, Prudenville



Jackson MacKenzie
Grade 2 (Mrs. Bawek)
Our Lady of the Lake School, Prudenville



Oliva Masters
Grade 2 (Mrs. Bawek)
Our Lady of the Lake School, Prudenville



Emily Barnhart
Grade 4 (Mrs. Mayes)
Roscommon Elementary, Roscommon



Jessica Hollister
Grade 3 (Mrs. House)
Roscommon Elementary, Roscommon

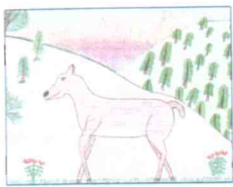


Patrick Fink
Grade 4 (Mrs. Plainte)
Roscommon Elementary, Roscommon



Cody Thompson
Grade 8 (Mr. Goulette)
Roscommon Middle School, Roscommon

Count 'em up: It wasn't really all that long ago when Harold Mayfield organized the first Kirtland's warbler census in 1951. The second census took place in 1961 and the third in 1971. After the census totals dropped 60 percent from 502 in 1961 to 201 in 1971, an ad hoc Kirtland's warbler advisory committee recommended holding the census annually starting in 1972 to closely monitor the population. The results are also used as an aid for evaluating management practices. The Kirtland's warbler census is held June 6-20 each year and is a count of singing males, as the females do not sing. - Mike Petrucha, MDNRE



Kalen Church
Grade 7 (Mrs. Zuker)
Roscommon Middle School, Roscommon



Tessa Richards
Grade 8 (Mr. Goulette)
Roscommon Middle School, Roscommon



Claire Hines
Grade K (PHELPS)
Rose City Elementary, Rose City



Cody Ferns
Grade 4 (Mrs. Kristy Neubecker)
Rose City Elementary, Rose City



Kourtney Wiltse
Grade 1 (Mrs. Curtis)
Rose City Elementary, Rose City



Hunter Likavec
Grade 5 (Mrs. Timo)
St. Joseph Catholic School, West Branch



Colleen Sikorski
Grade 3 (Mrs. Kish)
St. Joseph Catholic School, West Branch



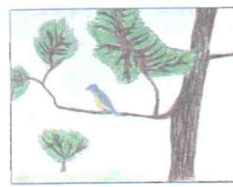
Kiera Hansen
Grade K (Mrs. Wendi Paulson)
St. Joseph Catholic School, West Branch



Evan Prusinski
Grade 2 (Mrs. Colclasure)
Surline Elementary School, West Branch



Kaitlin Randall
Grade 3 (Mrs. Colclasure)
Surline Elementary School, West Branch



Haily Davis
Grade 2 (Mrs. Colclasure)
Surline Elementary School, West Branch



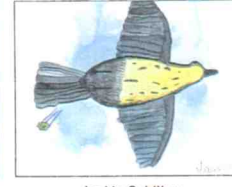
Brook Davis
Grade 5 (Mr. Clelland)
Surline Middle School, West Branch



Cameron Diaz
Grade 6 (Mr. Clelland)
Surline Middle School, West Branch

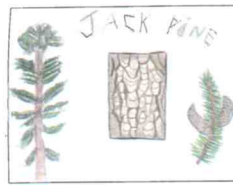


Tyler Symons
Grade 6 (Mr. Clelland)
Surline Middle School, West Branch



Jackie Schliter
Grade 4 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool, West Branch

Natural History: As plants and animals followed the northward retreat of the glaciers 12,000 to 16,000 years ago, they formed a variety of natural communities. The warm climate and moist, rich soils of the southern half of the Lower Peninsula eventually fostered the growth of deciduous forests. Farther north, as the Wisconsin ice sheet melted, it deposited a glacial till and left a sandy outwash plain which was dry and nutrient poor. The plants and animals which came to dominate this large area formed the coniferous forests. One of the most fascinating of these northern forests is the jack pine ecosystem. - MDNRE



Jean Peterson
Grade 7 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool, West Branch



Reese Riedel
Grade 4 (Pat Weber-Rohrer)
T.R.U.T.H. Homeschool, West Branch



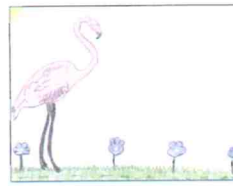
Brianna Puckett
Grade 2 (Mrs. Debra Mersnick)
Three Lakes Academy, Curtis



Lila MacKinnon
Grade 3 (Susan Vaniman)
Three Lakes Academy, Curtis



Sierra Stark
Grade 2 (Mrs. Debra Mersnick)
Three Lakes Academy, Curtis



Kesyha
Grade 5 (Mrs. J. Claridge)
Green Castle Primary School, Bahamas



Wendell Nesbitt
Grade 4 (Mrs. A. Richards)
Green Castle Primary School, Bahamas



Ledeswanique Nixon
Grade 6 (Mrs. E. Deal)
Rock Sound Primary School, Bahamas



Shaloam Johnson
Grade 1 (Ms. A. Johnson)
Rock Sound Primary School, Bahamas



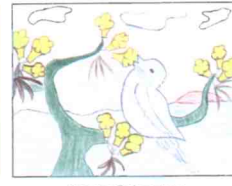
Brittney Cooper
Grade 5 (Mrs. Sharon Carey)
St. Anne's Catholic School, Bahamas



Shanice Symonette
Grade 6 (Mrs. Carey)
St. Anne's Catholic School, Bahamas



Jonathan Adderley
Grade 6 (Mrs. V. Miller)
Tarpum Bay Primary School, Bahamas



Lance Pelecanos
Grade 6 (Mrs. V. Miller)
Tarpum Bay Primary School, Bahamas



Dashonei Johnson
Grade 6 (Mrs. G.M. Miller)
Wemyss Bight Primary School, Bahamas



Randal Tynes
Grade 5 (Mrs. C. Martin)
Wemyss Bight Primary School, Bahamas

Kirtland's Warbler Wildlife Festival Committee members:

Jim Enger (chairman), Kirtland Community College
Dennis Mansfield, Kirtland Community College
Irene Borak, volunteer coordinator
Tom Dale, KCC (ret.) and Gahagan Nature Preserve
Marj Esch, Kirtland Community College
Bob Hess, Michigan DNRE (ret.)

Phil Huber, U.S. Forest Service
Lynn Taylor, Kirtland Community College
Roberta Eveleth, Kirtland Community College
Denise Kemp, Kirtland Community College
Jackie Liddle, Kirtland Community College
Chris Mensing, U.S. Fish & Wildlife Service

Kyle Morrison, Kirtland Community College
Mike Petrucha, Michigan DNRE
Mark Schroeder, Kirtland Community College
Jerry Weinrich, Michigan DNRE (ret.)
Craig Kasmer, Michigan DNRE
Tom & Wynatte Hamilton of Hamilton Construction

Congratulations and enjoy!

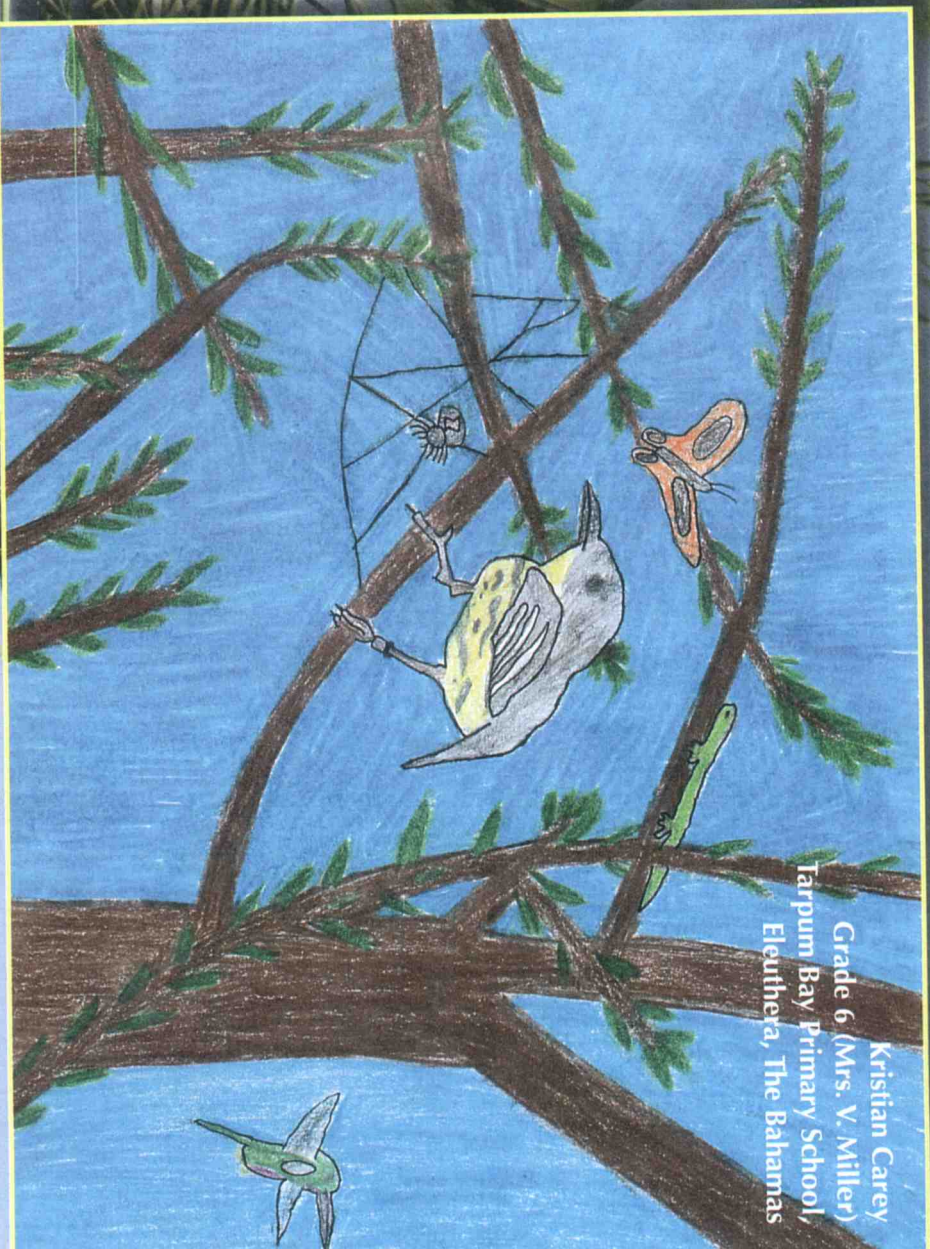
Members of the Kirtland's Warbler Wildlife Festival Committee hope you'll enjoy the eighth edition of our Young Artists Calendar.

The calendar was conceived as a project, among many others, to help elementary and middle school students better understand our rarest warbler and the unique ecosystems in which this endangered species spends its life.

More than 1,000 students in grades K-8 from more than 17 schools, from both Michigan and the Bahamas, submitted entries for the 2010-11 calendar contest.

Most of them also learned from retired Kirtland science instructor Tom Dale about the many other animals and birds that benefit from the management of Kirtland's jack pine habitat, which is extremely prevalent in Kirtland Community College's district that includes all of Crawford, Ogemaw, Oscoda and Roscommon counties, as well as parts of five neighboring counties. Dale visited dozens of schools during the spring in 2010, as he does every year, speaking to thousands of youngsters, inspiring many to submit the artwork you now hold in your hands.

The festival committee congratulates the young artists whose wonderful work is featured here, as well as all the children who submitted entries, and their teachers.



Kristian Carey
Grade 6 (Mrs. V. Miller)
Tarpum Bay Primary School,
Eleuthera, The Bahamas

The Bahamian connection: Scores of entries for this year's Young Artists Calendar Contest came from school children in the Bahamas, where the Kirtland warbler spends its winters. Research is under way — most notably on the island of Eleuthera in the Bahamas — to identify and study the habitat preferred by the birds. The research is being performed by scientists from the Nature Conservancy, the International Institute of Tropical Forestry of the U.S. Forest Service and the Bahamas National Trust. The Kirtland's Warbler Wildlife Festival Committee is grateful to the Bahamas Ministry of Education and the University of the Bahamas for encouraging its students to participate in the contest, and to the researchers who took the time to visit schools on Eleuthera. Funding for the project has been provided by the International Program of the U.S. Forest Service.

Kirtland's Warbler Wildlife Festival

Find us on the Web at warbler.kirtland.edu or call Kirtland Community College at 989-275-5000, extension 242.