

C.E.T.Y.

CALVERT ENVIRONMENTAL
TRUST FOR YOUTH

2022
ANNUAL REPORT

STRENGTHENING YOUTH INVOLVEMENT
THROUGH CONSERVATION



CALVERT ENVIRONMENTAL TRUST FOR YOUTH

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MAJOR FUNDING PROVIDED BY

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(Covid Relief)

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P.O. BOX 3348 • 489 MAIN STREET
PRINCE FREDERICK, MD 20678

MISSION STATEMENT

The mission of Calvert Environmental Trust for Youth is to provide a financial mechanism whereby projects that have positive influence on youth and/or the environment can be adequately funded through a local entity.

VISION STATEMENT

The vision of Calvert Environmental Trust for Youth is to see an increase and improvement in quality-based youth and environmental activities throughout the region.

In 1996 the Environmental Trust for Youth was formed to provide a funding mechanism that would support environmental and youth activities in Calvert County. Over \$100,000 was raised from local contributors within our first year. An additional \$433,023 has been contributed since then.

The interest earned from these funds is used to support environmental projects throughout the county. Since its inception, the Trust has awarded \$328,135 in grants. This year, we had requests for \$22,031 in grants. The Trust appreciates all funding received from local contributors and is now in the process of applying for major foundation funding to match local support.

Calvert Environmental Trust for Youth is a 501(c)3 nonprofit organization. All Calvert Environmental Trust for Youth programs and services are offered on a nondiscriminatory basis, without regard to race, color, national origin, religion, sex, age, marital status or handicap.

2022 CETY PROJECTS

<i>Grant #</i>	<i>Recipients</i>	<i>Grant Total</i>
222	2022 Calvert County Envirothon.....	\$10,687
223	Calvert County Fair, Livestock Auction.....	\$2,788.75
224	Calvert Future Farmers of America, C.A.S.E. Project.....	\$1,250
225	Calvert County Forestry Board, Envirothon Equipment.....	\$430
226	Calvert Nature Society, Eagle Scout Projects.....	\$4,000
227	Friends of JPPM, Mighty Marsh Ambassadors.....	\$1,025
228	Annmarie Garden, Nature Nook Exhibit.....	\$850
229	Calvert County Historical Society, Kids' Camp.....	\$1,000

TOTAL AWARDED: \$22,030.75

2022 ENVIROTHON

222

30th Anniversary



The Envirothon is an environmentally-based problem solving competition for high school students. Teams are made up of 5 students who work together to study Maryland's natural resources over the course of the school year. All topics are very hands-on and include practical skills and trainings are taught by experts in each field.

The competition was held live(!) on April 20, 2022 at King's Landing Park in Huntingtown. The students competed in four resource categories: aquatic resources, forestry management, soil conservation, and wildlife management.

After acquiring the same high score (316 out of 400), the Northern and Calvert teams held a tie breaker involving sediment run-off. In the end, Calvert High School claimed the victory with the overall high score. Huntingtown won the high score in aquatics, Calvert won the high score in soils, and Northern won the high score in wildlife.

The Calvert High School team represented Calvert County at the University of Maryland Clarksville Research Farm on June 22, 2022 for the State Envirothon. The team placed 13th.

The Envirothon is sponsored by the Calvert County Soil Conservation District, Calvert Forestry Board, Calvert County Natural Resource Division, Morgan State University Estuarine Research Center, American Chestnut Land Trust, and the CHESPAX program of Calvert County Public Schools.

Congratulations to Calvert High School for claiming the Calvert County Envirothon title this year!

Congratulations Calvert High School!!

2022 CALVERT COUNTY FAIR ANIMAL AUCTION

The Youth Livestock Auction is held annually during the Calvert County Fair. This is when animals that 4-H members have raised and cared for are sold to the public. It is the final step in their livestock project where the educations marketing aspects are put into action.

Each year, Calvert Environmental Trust for Youth supports the club by purchasing animals and donating them back to the youth.

This is an excellent way to learn about agriculture, the value and reward of hard work, and the importance of good land and livestock management.



HOW WELL DO FEEDSTUFFS ATTRACT WHITE-TAILED DEER?

By: Hutch Valentin



PROBLEM: Over population of White-tailed Deer causing crop damage leading to crop loss on Farms.



HYPOTHESIS: Baiting areas with feedstuffs (i.e. corn) will bring more deer into or through an area, as well as hold them there for a longer period of time, making hunting more efficient (for the purpose of hunting for management).

CONCLUSION: I have learned or noticed that location and the amount of bait can help make hunting more efficient for the purpose of mitigating crop damage on farms by holding white-Tailed Deer in a spot for extended periods of time.



Some information I learned and gathered:



- I learned how to write like a scientist. I learned that this is hard, tedious, annoying, and stressful – but I learned.
- Over 2,000 pictures were taken.
- Noticed that not only did bait bring more deer, it also helped bring other animals in the same area.
- Location and the amount of bait can help make hunting more efficient for the purpose of mitigating crop damage on farms.



- I learned deer are a lot harder to completely pattern than I thought
- There were a few good examples of patterning on my cameras, but I am going to highlight one in particular. Every Tuesday through Saturday for about a month and a piece, there were three does on camera, arriving from six, six thirty-ish and departing around eight o'clock. This happened every day. Sun, wind, snow, rain, it did not matter. There were there for an hour and a half to two hours. there was a stud buck in the beginning of my project.
- Now because of these patterns I was able to have some unique experiences and even make a really good memory.
- I have learned from my project and will use for the rest of my life is that sometimes is better jut to get it done and nor procrastinate no matter how much you hate doing it.
- My project has influenced my future plans and career goals. It has allowed me to see my own farm in a different way which has allowed me to refine my goals which are to one day own my own business in Agriculture and Diesel Technology field.



The Forestry Board uses their resources to support various forest education and awareness activities throughout Calvert County. A few examples include the Calvert Envirothon (See Grant #222 in this report), Arbor Day Poster contest, School Forest Program, Tree Farm Tour and the Natural Resources Careers Camp.

The Board is committed to promoting the benefits of sustainable Forest management in Calvert County. Our logo features the bald cypress tree, the official tree of Calvert County.

Below are the equipment funded with this grant to fully benefit the Calvert Envirothon.



Diameter or "d-tape" for measuring tree diameter



Clinometers to measure tree height



Square Cruising Prisms to measure basal area



Biltmore sticks to determine the number of logs or sticks in a tree



SCOUT AND COMMUNITY SERVICE PROJECTS 2022

Calvert Nature Society was awarded a \$4000 CETY (Calvert Environmental Trust for Youth) grant to support at least six youth service projects the Calvert Stewards, Scout and Community Service Projects throughout the Natural Resources Nature Parks. Funds were used for purchasing lumber, paint, tools, and other materials needed to complete the projects.

SCOUT PROJECTS

- Douglass Abbot (Troop 303) extended the Duncan's Pond Boardwalk as his Eagle Scout project.
- Boy Scout Micah Krenik built a new display board for his Eagle Scout project for the trail head closest to the amphitheater at Kings Landing Park. This board will display relevant park information such as maps, rules, regulations and park events.
- Scouts from the Western Shore Order of the Arrow cleaned out the garden at Wisner Hall and removed Autumn Olive from the meadow at the equestrian center, all at Kings Landing Park.
- Wesley Garrett, Troop 429, completed his Eagle Scout project adding benches at Hutchins Pond.
- James Horning, Troop 420, Eagle Scout project was repairing the Woodland Amphitheater benches & building fire ring at Kings Landing Park.





**NATURAL RESOURCES
DIVISION MERIT STAFF
2022**

Karyn Molines, Division Chief
Sarah Godwin, Office Specialist
Ian Keeley, Park Supervisor
Jenny Yoder, Kings Landing Park Manager
Brian Bussard, Flag Ponds Park Manager
Lydia Wells, Naturalist II
Kim Curren, Naturalist I
Tania Gale, Naturalist I
Gene Groshon, Naturalist I

- Jeremiah Jenkins, Scout Troop 407, installed the new information kiosk at Battle Creek for his Eagle Scout project.
- Girl Scout Troop 11012 installed cement pavers featuring trees and flowers, painted the cement mushrooms, added paddles for the PVC xylophone, created a mural on the hut, and planted Black-Eyed Susans around the pergola, at Kings Landing Park.
- Ryder Russell replaced a section of the Fisherman's Boardwalk at Flag Ponds Nature Park for his Eagle Scout project.
- American Heritage Girls pulled stilt grass from around the Kings Landing meadow maze area, filling a total of 13 trash bags.
- Girl Scout Troop 4678 hosted an invitational event at the Kings Landing pavilion on May 15th, to show young girls what the scouts are all about and introduce them to the scouts' main tenets and opportunities.

OTHER SERVICE PROJECTS WORTH MENTIONING

- Calvert Stewards Camryn Arnstein, Rick Popp (pictured) and Gary Pendleton helped repair trail erosion at Biscoe Gray Heritage Farm caused during the heavy rains and thawing of snow.
- Staff participated in an introduction to sustainable trail building.
- We hosted four volunteer trail work days throughout the month of March. Due to the hard work and dedication of staff and volunteers, we were able to finish work on the Woodland Creek Trail. This new single-track trail is 1.8 miles long one-way, and provides a challenging hike through the upland forest. Ian, Tori and Calvert Steward Rick Popp building trail
- Calvert Steward Mary Hollinger and her grandson were excited to find several nests and eggs while checking the bluebird nest boxes. CETY funds have been used throughout the years to buy the wood needed for our nest boxes.
- Calvert Stewards Mary and Gordon Burton helped design an interpretive sign about orchids, and worked with park staff to remove stilt grass from an area of a rare orchid. Park staff is working on trail improvements to protect this population from hikers.



Mighty Marshes Ambassadors Program: Biodiversity Phase

In the fall of 2021, using leftover grant funds, a pilot project, Mighty Marsh Ambassadors, was developed at Jefferson Patterson Park and Museum. We hosted three hands-on workshops for the public (harvest, plant, grow). Project goals included:

1. Manually remove and repurpose the exotic and invasive grass Phragmites.
2. Enhance the marsh habitat by adding salt tolerant native plant species.
3. Provide hands-on opportunities for community-based stewardship of the park's living shoreline.

In this biodiversity phase of our project, we are experimenting with different native wildflower species to develop self-sustaining populations. Using grant funds, we were able to purchase five of the eleven potential wildflower species. They were planted at Peterson Point's living shoreline this spring by the community!

Project Results

We had 10 registrations between the three planting days scheduled for May 13th, 20th, and 27th 2022. We had 75% attendance the first two days. Thunderstorms and a tornado watch on the third planting day forced families to cancel. The families that were present also engaged in some aquatic exploration. Using a seine and dip nets we waded the shallows, catching different fish and wildlife along the shoreline to observe and connect to St Leonard creek. Though we did not reach full capacity for attendance, the families and public that attended our educational stewardship program enjoyed their time learning and connecting with the living shoreline. Peterson Point is a popular destination for visitors, and our Mighty Marshes Ambassador volunteers know they will be able to come back and see *their* plants, supplying food for the wildlife and biodiversity for the marshland.



"I did want to let you know that this was literally the best nature program I've ever done for kids! It was so easy to manage all three kids, because I could just be like go find a pink flag! Dig a hole in the sand! It was very easy, and very fun. You and Jessalyn are superheroes! Thank you" ~ Mighty Marshes mom



The Nature Nook Exhibit at Annmarie Garden!

COLOR IN NATURE - 2022 NATURE NOOK AT ANNMARIE SCULPTURE GARDEN & ARTS CENTER

Thanks in part to the funding provided by the Calvert Environmental Trust for Youth, Annmarie was able to provide our 2022 Nature Nook theme, Color in Nature, and learning opportunities to children and families from the Southern Maryland as well as visitors from outside our immediate region. Our Nature Nook is housed in the Murray Arts Building in a captivating space for children to be immersed in interactive learning.

In this year's theme we took children through a brightly colored animal, plant and stone display that encouraged hands-on learning and active play highlighted in the diverse beauty and purpose of our colorful world. We displayed the color of the seasons, animals, insects, striking plants and gorgeous geology. Guests learned facts like, why flamingoes are pink, lobsters are red, why leaves change color and more.

Stations included:

Animals in Residence: Critter living in the Nature Nook include: Cornelia, our corn snake, Salvador & Dali our box turtles, and Sunny our Map Turtle

Creature Features: Visitors can see displays on anything from caterpillars, to tadpoles, treefrogs and beetles among others

Magnification Station: allow visitors to take a closer look with magnifiers, binoculars and microscopes

Observation Station: a window overlooking our bird garden, giving children the opportunity to identify what they are learning inside with what exists right outside our windows

Pretend Play Zone and Book Nook: Books, puppets, costumes and more are available for play and shared reading experiences.

Thank you to all at CETY for your support of our programs, we see the joy in families as they return time and again to stroll the gardens, play in the fairy lolly and return to the nature center to connect with and learn about our environment.



Kids' History Camp

Calvert County Historical Society



**SUMMER ON
THE PATUXENT**



CALVERT COUNTY HISTORICAL SOCIETY

Campers at this Kid's History Camp were in for a world of wonder right under their feet as they learned about the vast history of Calvert County.

Kids got to visit historic sites and learn their secrets by viewing primary source documents. Some places they explored were Historic Linden in Prince Frederick, built in 1868, and a precolonial Woodland Indian Village along the Patuxent River.

Campers also got to take a trip on what is reputed to be the second-oldest licensed operating passenger vessel in the United States. Can you guess the name of the boat? It is the Wm. B. Mason Tennison! Built in 1899! Docked at the Calvert Marine Museum.

All campers received a Calvert County Historical Society Oyster Decorating Kit, a copy of the Heritage of Calvert County, Maryland for the Young Reader (1995) by Susan M. Sieglein, an at-home oyster measuring kit, a tote bag, CCHS Kid's History Camp T-shirt and... snacks! Thank you for the support, CETY!

**KIDS HISTORY
CAMP 2022**

70 Church Street/ P.O. Box 358 Prince Frederick, MD 20678

CALVERT ENVIRONMENTAL TRUST FOR YOUTH
Statement of Receipts and Disbursements
For the Period of January 1, 2022 through December 31, 2022

OPERATING & GRANT FUNDS AVAILABLE JANUARY 1, 2022\$43,301.69

RECEIPTS:

Grant Funds (90% of 2022 Interest Earned)	\$18,597.00
Operating Funds (5% of 2022 Interest Earned).....	1,033.00
Donation from Coastal Design and Construction Inc.	1,000.00*
Donation from SMECO.....	500.00*
Donation from Calvert County Government.....	6,660.00*
TOTAL RECEIPTS.....	\$27,790.00
Minus donations* to principal	8,160.00*
SUBTOTAL.....	\$19,630.00

SUBTOTAL.....\$62,931.69

DISBURSEMENTS:

Operating Expenses:

Rymer & Assoc. (tax preparation)	\$800.00
Maryland Nonprofits (information service)	100.00
Postmaster (Post Office box fee).....	212.00

Total Operating Expenses.....\$1,112.00

Grants Awarded:

Grant #222 Calvert SCD Envirothon Competition	\$10,687.00
Grant #223 Calvert LAC	2,788.75
Grant #224 Calvert FFA	1,250.00
Grant #225 Calvert Forestry Board/Chuck Gustin.....	430.00
Grant #226 Calvert Nature Society	4,000.00
Grant #227 Friends of JPPM.....	1,025.00
Grant #228 Ann's Circle	850.00
Grant #229 Calvert Co. Historical Society.....	1,000.00

Total Grants Awarded.....\$22,030.00

TOTAL DISBURSEMENTS\$23,142.75

TOTAL OF ALL FUNDS AVAILABLE DECEMBER 31, 2022\$39,788.94

CALVERT ENVIRONMENTAL TRUST FOR YOUTH

Account Information and Donations Received

Edward Jones Investment Account Value December 31, 2021	\$595,545.03
Edward Jones Investment Account Value December 31, 2022	\$493,769.07

2023 PROPOSED BUDGET

INTEREST ALLOCATION:

2022 Interest Earned	\$20,663.47
90% to Grants	\$18,597.00
5% to Operating Expenses	\$1,033.00
5% to Principal.....	\$1,033.47

GRANT FUNDS:

Grant Funds available after 2022 grants awarded.....	\$15,170.32
2022 year-end interest earned (90%)	<u>18,597.00</u>
Total 2022 Grant Funds Available	\$33,767.32

OPERATING FUNDS

Operating Funds available after 2022 expenses.....	\$4,988.62
2022 interest earned (5%)	<u>1,033.00</u>
Total 2022 Operating Funds Available.....	\$6,021.62

ESTIMATED OPERATING EXPENSES

Tax preparation	\$900.00
Annual post office box fee	250.00
Maryland Nonprofits Membership	125.00
Renewal of Charitable Registration/State of Maryland	<u>125.00</u>
Total 2022 Estimated Expenses	\$1,400.00

Calvert Environmental Trust for Youth ~ Summary of Grants Approved by Year

<u>Year</u>	<u>Total (rounded to nearest \$)</u>
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1997	602
1998	1,000
1999	4,960
2000	7,979
2001	7,472
2002	4,500
2003	9,133
2004	8,554
2005	7,115
2006	7,357
2007	10,161
2008	9,985
2009	8,828
2010	10,473
2011	11,022
2012	8,806
2013	11,523
2014	16,796
2015	18,164
2016	25,926
2017	19,035
2018	20,599
2019	25,129
2020	24,818
2021	26,166
2022	22,031

Total Amount of Grants Awarded

\$328,135

CALVERT ENVIRONMENTAL TRUST FOR YOUTH (CETY)

SUMMARY OF GRANTS APPROVED BY ORGANIZATION

1997 - 2022

	Number of Grants	Amount (\$)
Battle Creek Nature Center (Outdoor Heritage Foundation, Junior Ranger Corp Projects, Girl Scout Gold Award)	11	9,175
4-H Livestock Auction at Calvert County Fair	10	53,972
Boy Scouts	12	9,010
Girl Scouts	2	1,015
Calvert County Public Schools	86	52,199
Calverton School	1	200
CHESPAX (Calvert County Public Schools)	20	20,395
Calvert County Forestry Board	2	470
Calvert Marine Museum	2	1,550
Calvert Farm Bureau	4	5,950
Calvert Future Farmers of America	4	2,650
Cooperative Extension Services	11	9,080
Envirothon	27	120,906
Combined Groups (Student Ambassador) (Agricultural Educational Center) (Ann's Circle, Inc.) (Tidewater School) (Calvert County Historical Society) (Friends of Jefferson Patterson Park) (Calvert Nature Society)	25	41,556
TOTAL:	217	\$328,135

