



ANNUAL REPORT 2017

# CHESAPEAKE WILDLIFE HERITAGE

DESIGNING, RESTORING AND MANAGING  
WILDLIFE HABITAT



### OUR MISSION

Chesapeake Wildlife Heritage is dedicated to designing, restoring and managing wildlife habitat and establishing a more sustainable agriculture through direct action, education and research in partnership with private and public landowners. By increasing the amount and diversity of wildlife habitat and educating the public about the need for wildlife habitat, CWH is improving the health of the Chesapeake Bay.

Cover: Zebra Swallowtail on Butterfly weed (*Asclepias tuberosa*) courtesy of Donna Tolbert-Anderson

Above: Great Horned Owlets courtesy of Donna Tolbert-Anderson

### BACKGROUND

Chesapeake Wildlife Heritage works with landowners to design, restore and manage habitat projects that enhance the wildlife value of their properties. Founded in 1980, CWH is a member-supported 501(c)(3) nonprofit organization working daily with landowners to restore habitat to benefit a variety of wildlife species and to reduce the adverse impacts of conventional farming operations. CWH manages four programs to accomplish its wildlife habitat creation and preservation mission. Chesapeake Care, Sustainable Agriculture, Education and Outreach and Habitat Management are described on the following pages. The CWH office is located in "The Old Schoolhouse" at 1201 Parson Island Road in Chester, Maryland. Office hours are Monday through Friday, 9 a.m. to 5 p.m. Walk-in visitors who wish to learn more about CWH are welcome. Staff is available to answer wildlife- or habitat-related questions and to help visitors learn more about the Chesapeake Bay's wildlife resources.

### CHESAPEAKE WILDLIFE HERITAGE'S APPROACH

With an expansive watershed of more than 64,000 square miles in six states and the District of Columbia, 11,684 miles of tidal shoreline and a human population of approximately 18.2 million in 2017, the Chesapeake Bay and its health are inextricably tied to the way in which landowners in the watershed manage their land. Chesapeake Wildlife Heritage is the only nonprofit in the Chesapeake Bay area that takes wildlife habitat projects from conception to fruition by designing, restoring and managing habitat for the sole purpose of increasing the region's quantity and diversity of wildlife habitat. Long-term commitment on the parts of both CWH and landowner partners is resulting in consistent success in wildlife habitat creation and management in the Chesapeake Bay watershed.



## MESSAGE FROM THE PRESIDENT

### TO OUR FRIENDS AND SUPPORTERS,

On behalf of the Chesapeake Wildlife Heritage Board of Directors, I am pleased to present the CWH Annual Report for 2017.

Last year, through the generosity of our members and the support of private foundations and government programs such as the Conservation Reserve Enhancement Program, CWH made many beneficial contributions to the region's wildlife resource.

#### In 2017, a few of the many beneficial contributions made by CWH for the wildlife resource included:

- **Helped landowners manage 2,335 acres** of CREP buffers and wetlands using a variety of habitat management techniques, including spot spraying selective herbicides, controlled burning, timed mowing and strip discing;
  - **Left 20 acres of standing corn and 5 acres of sunflowers** (pollinators love them!) on CWH-owned land to benefit songbirds, migratory waterfowl and other wildlife. These crops were grown with seed that was not treated with insecticides and fungicides in order to avoid potential harm to pollinators and other wildlife;
  - **Had more than 175 acres of cover crops planted** on lands we own to retain nutrients and topsoil and to feed migratory geese;
  - **Installed, repaired and/or monitored numerous nesting structures** for Purple Martins, Eastern Bluebirds, Ospreys and native bees;
  - **Provided Phragmites control on 219 properties** in Anne Arundel, Caroline, Dorchester, Kent, Queen Anne's and Talbot counties to improve the biodiversity of hundreds of acres of wetlands;
  - **Used only non-treated seed corn and soybeans in our crop fields**—that is, seed not coated with insecticides (usually neonicotinoids and fungicides), which are believed to harm pollinators and other wildlife. We convinced some of our landowner partners to use untreated seed corn and beans as well!;
  - **Created 5 acres of shallow-water habitat** for wintering waterfowl;
  - **Held workshop** at Barnstable Hill Farm to educate the public about monarchs;
  - **Met with numerous landowners** to educate them about improving/managing wildlife habitat on their properties;
- **Consulted with landowners** on a range of environmental topics, including deer damage to native plants and crops, tick awareness, proper timing of mowing, pollinator plants for gardens, etc.;
  - **Overseeded many acres** of existing buffers and meadows with wildflowers to improve them for pollinators.

CWH stands alone in that we practice what we preach. We steward 1,150 acres of land on which the efficacy of our experience, techniques and values is demonstrated every day. Whereas most farmers use insecticide-treated corn to discourage birds, we use a non-toxic product, Avipel, on our corn seed to reduce seedling damage caused by birds on our refuges. Our waterfowl sanctuaries are rich with native plant life and are critical resources for a wide variety of migratory birds and non-migratory creatures. Very few properties in the Chesapeake Bay watershed match the extraordinary amount and diversity of wildlife habitat found on CWH-owned properties.

Restoration projects and land management provided by CWH are vital contributions to the future of our region's wildlife and to the health of the Chesapeake Bay. The following pages describe CWH's successes of 2017 and illustrate how and why CWH is leading the way in creating a healthier environment in the Chesapeake Bay watershed.

The CWH board and staff are deeply grateful that our loyal membership facilitates our work to help wildlife survive in these difficult times. If you are interested in scientific documentation of the importance to wildlife of habitat created by the Conservation Reserve Program, please see the U.S. Department of Interior, U.S. Geological Survey, Scientific Investigations Report 2012-5066 at [pubs.usgs.gov/sir/2012/5066/](https://pubs.usgs.gov/sir/2012/5066/).

During our nearly 40 years of making a difference "on the ground," CWH has continuously identified and pursued opportunities to improve habitat for wildlife using the skills and relationships developed over this time. Join me in congratulating the board and staff of Chesapeake Wildlife Heritage for a job well done in 2017 and in wishing the organization continued success in the future!

Yours sincerely,



Ralph V. Partlow III, President, Board of Directors

# PROGRAMS

## CHESAPEAKE CARE

**Restoring habitat for wildlife and improving water quality in the Chesapeake Bay watershed**

Waterfowl are an important part of our wildlife heritage and are the creatures most folks associate with wetlands. Wetland science owes a debt of gratitude to these migratory birds and the interest sparked many years ago in preserving both the birds and their wetland habitat. The majority of the region's non-tidal wetlands host species other than waterfowl, such as dragonflies, numerous amphibians, turkeys, warblers and Delmarva fox squirrels. Unfortunately, according to the U.S. Geological Survey, Maryland's wetlands have decreased by more than 70% in the past 350 years. CWH's Chesapeake Care Program works with landowners on their property to restore some of these lost wetlands.

All non-tidal wetlands benefit water quality by slowing runoff. This process allows plants and affiliated bacteria to interact with water-borne nutrients, thereby reducing nutrient loading to watersheds. Shallow-emergent wetlands and wet meadows can also benefit wildlife by providing valuable habitat to ducks, geese, shorebirds, dragonflies and amphibians. Wooded wetlands and shrub swamps benefit wildlife species such as warblers, woodcock, amphibians and bats. In 2017, CWH installed 5 acres of shallow-water habitat for wintering waterfowl and designed 15 acres of wetlands for 2018 construction.

The Chesapeake Care Program uses landowner incentives offered through the U.S. Department of Agriculture's Conservation Reserve Program (CRP) and Conservation Reserve Enhancement Program (CREP). Wildlife habitat restoration would be almost nonexistent in the watershed were it not for the federal government's leadership through these Farm Bill programs.

CWH will continue using the CRP and CREP programs to restore vanishing wildlife habitat in the Chesapeake Bay watershed. This is becoming increasingly difficult, as landowners have received the message that planting cover crops is the easy solution to cleaning up agriculture. CWH believes we must do all we can (restoring significant acreages of habitat, planting cover crops and implementing real nutrient management) to clean up the Bay, which agribusiness has been over-enriching with nutrients.

In 2017, funding by the Biophilia Foundation, Chesapeake Bay Trust, Healy Foundation, Maryland Department of Natural Resources, National Fish & Wildlife Foundation and an anonymous donor enabled CWH to build and manage valuable wetland habitat on the lands of those committed to conserving wildlife resources.

## SUSTAINABLE AGRICULTURE

**Reducing purchased farm input, such as fertilizers and pesticides, and increasing peripheral botanical diversity to sustain enduring wildlife populations while maintaining farm profitability**

The main objective of Chesapeake Wildlife Heritage's Sustainable Agriculture Program is to demonstrate the compatibility of profitable corn/soybean row-crop farming, which is typical of Maryland's Eastern Shore, with natural ecosystems, while pursuing an ultimate attainable goal of organic no-till. With the advent of new, less pernicious agricultural-herbicide chemistry that can target specific weed species, organic no-till may be achievable.

The CWH agricultural program involves eliminating farming practices known to have deleterious effects on the environment (e.g., soil erosion, nutrient runoff, the use of insecticides, fungicides and residual herbicides, tillage) and implementing wildlife-friendly and other agronomically benign practices.

These include non-stacked trait and untreated corn and soybean seeds, cover crops, crop rotations, nutrient monitoring and appropriate nutrient placement and timing, integrated pest management (IPM), managed buffer strips, soft edges and hedgerows for wildlife. Commercially produced seed corn should be tailored to the regional requirements of certain seed treatments and not done on a national basis. We have found a minimal decrease in yields from eliminating insecticides (specifically neonicotinoids), fungicides and residual herbicides from our program.

**IN 2017, THE FOLLOWING CONCEPTS WERE CONTINUED BY CWH:**

1. The use of Avipel, a benign corn seed-box additive that virtually eliminates sprout consumption by blackbirds (Icteridae), along with the use of untreated seed, especially seed varieties not treated with fungicides and neonicotinoids. The scientific community is finally realizing the far-reaching consequences of the many ecologically disruptive pesticides applied on conventional farmland and their effects on wildlife, especially the soil microbiota and native pollinators. It is only the plight of the European honeybee that has brought focus on the predicament of our native bees.
2. Perennial native grass/wildflower plantings in field and stream buffers that provide year-round habitat (under long-term rotational management) for beneficial insect pollinators and other wildlife.

3. No-till practices without a dependence upon residual herbicides or insecticides, including annual soil tests, appropriately applied subsurface liquid fertilizers, clean lime and application of nitrogen to soybeans at the second post-emergence herbicide treatment and not applied pre-plant. If these practices were widely adopted, they would eliminate large amounts of nitrogen from entering the Chesapeake Bay, which have created widespread dead zones and oxygen depletion. Reducing the application of nitrogen is far better than trying to clean it up.

**In 2017, CWH continued to improve and refine its demonstration that agricultural profitability and wildlife habitat can, and indeed must, be interwoven and that a biologically based farming system is more enduring than conventional agribusiness systems.**

Pearl Crescent Butterfly



## OTHER SERVICES PROVIDED

### EDUCATION AND OUTREACH

Sharing information with landowners on how to become better stewards of the Bay in their own backyards

The Education and Outreach Program at Chesapeake Wildlife Heritage provides informative talks and workshops about the region's variety of wildlife and wildlife habitat to landowners, businesses, schools, civic and community organizations and other interested groups. However, most of the education provided by the Education and Outreach Program occurs one-to-one during a site visit to a landowner's property. During these visits, a wildlife habitat specialist can discuss with the landowner the many possibilities of suitable habitat improvements for a specific site. Once the

interests of the landowner are determined and the property is surveyed, a management plan is developed and CWH works with the landowner to implement the plan. Many times, arrangements are made with the landowner for CWH to provide long-term management of the site.

Guided tours are often the most effective way to help landowners understand how and why CWH restoration projects work. Seeing Northern Pintail on a restored wetland or ground-nesting birds in a warm-season grass meadow illustrates the benefits of habitat improvements and how critical they are for wildlife. Arrangements may be made to tour CWH's Bennett Point Farm in Queenstown, Barnstable Hill Farm on Kent Island, Canterbury Farm in Easton and other significant habitat restoration sites. Contact Andi Pupke at 410-822-5100 to make arrangements for a tour.



In addition to numerous site visits and management plans developed in 2017, the CWH Education and Outreach Program presented lectures to numerous homeowners' associations, special interest groups and garden clubs on topics such as warm-season grass meadows, backyard habitat, bluebirds, Monarch butterfly migration and pollinator gardens.

## HABITAT MANAGEMENT

Managing restored habitat to ensure it remains beneficial to wildlife

Following construction or restoration of wildlife habitat, maintenance is critical to keep it functioning properly for the species of concern. This is particularly true in the case of meadows, as here in the East they all want to grow up to be forests! Newly created wetlands are highly susceptible to being colonized by Phragmites or dense stands of cattails.

CWH staff regularly employ a variety of techniques to keep meadows, wetlands and scrub-shrub areas in an early successional state. These include spot spraying (with backpack, truck or ATV), discing, controlled burning, hand cutting, frilling, frost seeding, delayed drawdown and carefully timed dormant-season mowing (December–March, but preferably in March). We take special precautions to protect nesting and brooding wildlife during spring and summer.

One frequently used technique is spot spraying trees and shrubs in late summer or fall to control their numbers in meadows. Why don't we mow them instead? Mowing can be highly injurious or deadly to ground-dwelling wildlife (including brooding birds), and mowing does not kill trees or shrubs. Spot mowing in March of the following year, before wildlife get too active, cleans up standing dead woody plants in the meadow. Please bear in mind that wildlife diversity benefits from allowing some woody plants to invade a meadow, especially small trees and shrubs.

Meadow restored on Barnstable Hill Farm





Buffer strips and meadows can easily become so thick with grass species that all the wildflowers vanish. In these instances, CWH can disc and/or use a grass herbicide to give pollinator flowers like milkweed a fighting chance.

In wetlands, we spend much of our time killing Phragmites and cattails. We want a good, patchy mix of cattails and other wetland plants for food and cover but do not want a monoculture or any Phragmites.

**A five-year research study by CWH documented that once a pure stand of Phragmites was eliminated by targeted spraying with glyphosate, 65 beneficial plant species emerged from the existing wetland seedbed within two years.**

Having a diversity of wildlife means creating and maintaining a diversity of habitat, from mudflat to scrub-shrub thicket to meadow. In 2017, much summer and fall CWH field-staff time was spent managing and maintaining wildlife habitat on CWH's and clients' properties. It is often hot work, but the positive results for the wildlife resource are well worth the effort.

Above: Osprey housekeeping at Bamstable Farm

## NESTING STRUCTURES

### Supplementing natural nesting sites with alternatives

The Nesting Structure Program installs artificial nesting boxes and platforms for wildlife species whose natural habitats have disappeared due to development, clean farming and deforestation. For a nominal fee, CWH installs nesting structures in suitable habitat for Eastern Bluebirds, Prothonotary Warblers, Purple Martins, Wood Ducks, Great-crested Flycatchers, Flying Squirrels, Owls and Ospreys. Each year, we place manmade nesting structures around the Bay watershed for citizens interested in encouraging wildlife on their property. Most are protected against predators with an appropriate "predator guard."

Several years ago, CWH began using a Purple Martin house that features 6" x 12", two-room suites for greater protection from predators and the weather. The birds enter through a starling-resistant, crescent-shaped entrance, make a 90-degree turn and then enter the inner nest room through another opening. The house is mounted on a multipurpose, pulley-operated system that can hold two martin houses and allows for much easier raising and lowering by the landlord or CWH staff for monitoring and maintenance purposes. Due to an increase in Owl attacks on Purple Martin houses, CWH encourages all Purple Martin landlords to have Owl guards installed on their existing Purple Martin houses.

CWH also monitors and collects data on Purple Martin nesting systems. Active management of Purple Martin housing provides better control of invasive, non-native English House Sparrows and European Starlings, resulting in more successful Purple Martin production. During the 2017 nesting season, 487 chicks were fledged from 25 CWH-monitored houses/gourds, with an average of 19.48 chicks hatching per house.

## BOTANICAL STUDIES IN UTILITY RIGHTS-OF-WAY (ROWS)

Managing for wildlife while maintaining safe and reliable national oil, gas and electric power supplies through the use of Integrated Vegetation Management (IVM)

There are more than 48.6 million acres of utility ROWs in the United States, comprising unique wildlife habitat opportunities on property owned or accessed by oil, gas and electric companies. An additional 12 million acres or more in highway ROWs are mowed (and not at a proper time to avoid wildlife destruction), one third of which may be deemed unnecessary—that is, they are “maintained” beyond the 15-foot shoulder and ditch required by the federal TSA.

Since the early 1990s, Chesapeake Wildlife Heritage and IVM Partners in Newark, Delaware, have documented the ecological transition of vegetation communities from traditional mowing in ROWs to the implementation of Integrated Vegetation Management. Initially, IVM may involve the judicious use of specific herbicides to control undesirable tall trees and invasive species with, ultimately, only periodic backpack spot treatment when the undesirables are under control. Using appropriate herbicide chemistry, IVM can produce stable grassland, forb or low-growing shrub/plant communities or a combination thereof, thus eliminating the traditional, highly disruptive mowing cycles. (Mowing may occur at any time of year, including the nesting season.) IVM can provide big cost savings for the utilities and huge wildlife habitat benefits through the creation of habitat migratory corridors, which can be especially beneficial for insect pollinators.

The data from these studies in Maryland, New Jersey and Delaware have shown that a well-planned and carefully thought-out management plan, along with the use of IVM, can have great applicability in utility ROW management. These studies show that by keeping wildlife and their habitats as a foremost objective, including those

of all rare, threatened and endangered species, it is possible to maintain a safe, reliable delivery of carbon-based energy.

## PHRAGMITES CONTROL

Controlling invasive, noxious weeds in wetlands

Phragmites (*Phragmites australis*) continues to invade the Eastern Shore and other parts of Maryland at an alarming rate. Not only does it grow so tall that it blocks the shoreline view, more importantly, it grows so thick it can destroy a wetland’s fragile ecosystem by choking out the beneficial and native wetland plants, becoming a monoculture with practically no wildlife habitat value.

CWH initiated its Phragmites Control Program to slow the rapid spread of this invasive wetland plant and restore diverse wetland ecosystems. A five-year research study by CWH documented that once a pure stand of phragmites was eliminated, 65 beneficial species of plants emerged from the existing wetland seedbed.

In the fall of 2017, CWH sprayed 219 properties in Anne Arundel, Caroline, Dorchester, Kent, Queen Anne’s and Talbot counties to improve the biodiversity of hundreds of acres of wetlands from this invasive plant. Phragmites will never disappear from Maryland’s shoreline, but by controlling its spread, wetlands can be saved from further destruction.

## LANDOWNER SERVICES

Working with landowners to protect habitat restored by CWH

Chesapeake Wildlife Heritage’s Landowner Services Program works in partnership with private landowners to permanently save land for wildlife habitat. Our conservation easements have protected more than 2,500 acres of habitat for wildlife, including warm-season grass meadows, riparian buffers along tributaries of the Chesapeake Bay, mature woodlands and wetlands. We have permanently protected habitat in Queen Anne’s, Talbot, Kent, Dorchester and Prince George’s counties in Maryland.

The Landowner Services Program continues to provide advice and services to landowners who are striving to protect locally significant resource lands. In 2017, our staff worked with landowners to monitor and steward our existing easements. This critical work ensures that the land will stay forever wild.

# CWH'S WILDLIFE REFUGES

Chesapeake Wildlife Heritage owns six properties on Maryland's Eastern Shore. Totaling 1,150 acres, these wildlife sanctuaries are dedicated to managing diverse wildlife habitat and improving water quality. In 2017, CWH managed these properties to ensure they continue to benefit wildlife and the Chesapeake Bay.

**PINEY CREEK WETLANDS:** Donated to CWH in 1986, Piney Creek Wetland Preserve covers 13 acres and consists of tidal wetlands. The property is located in Queen Anne's County on the east side of Piney Creek, near the Kent Narrows. The best habitat on the property is the 2,700 feet of water frontage on Piney Creek. This intertidal zone is a sanctuary frequented by numerous and varied species of waterfowl.

**BENNETT POINT FARM:** In 1997, CWH and Eastern Shore Land Conservancy (ESLC) purchased the 284-acre Bennett Point Farm. The property has a half mile of water frontage on the Wye River near Queenstown. CWH restored 107 acres of wetlands, planted 25 acres of forested buffer along the Wye River and created 13 acres of warm-season grass meadows. CWH and ESLC donated a conservation easement on the property to the Maryland Environmental Trust (MET) that includes protecting the existing 115 acres of mature woodland.

**BARNSTABLE HILL FARM:** The 540-acre Barnstable Hill Farm has over five miles of water frontage on Kirwan Creek and Eastern Bay. The property comprises a diversity of habitat and is by far the largest area on Kent Island managed for wildlife. CWH has restored more than 155 acres of wildlife habitat on the farm, primarily using the CREP. The property also has 110 acres of mature woodlands and 120 acres of tidal salt marsh. The 150 acres of farmland are farmed using sustainable techniques that reduce water pollution. The

property was donated to CWH in 2000 by the White and Bennett families.

**BAILEY'S NECK FARM:** CWH's Bailey's Neck Farm, a 135-acre farm near Easton, contains 100 acres of wet woodlands, 30 acres of restored wetlands and five acres of scrub-shrub meadows. The woodlands are managed by CWH to promote an old-growth forest. CWH donated a conservation easement to ESLC to protect the habitat found on the property.

**BOZMAN FIELD:** This 29-acre field just west of St. Michaels was donated to CWH in 2006. The property helps to maintain a greenbelt west of the Town of St. Michaels and provides habitat for a variety of wildlife. The 12 acres of mature woodlands contain a variety of hardwoods. Trees are slowly retaking the 17 acres of old farm fields, both naturally and with help from CWH, to once more create wooded wetlands. CWH donated an easement to MET to protect these wetlands.

**CANTERBURY FARM:** Donated to Chesapeake Wildlife Heritage in 2008, Canterbury Farm is a 150-acre wildlife refuge near Easton. In 2001, CWH restored 100 acres of wetlands on the farm. These include approximately 50 acres of shallow emergent wetlands, 15 acres of wooded wetlands and 35 acres of wet, warm-season grass meadows. Another 6-acre wetland was restored on the farm in 2013. A conservation easement donated by CWH to MET and ESLC protects the habitat.

Wetland restored by CWH 25 years ago at Barnstable Hill Farm on Kent Island.



# OUR FUNDING PARTNERS

**ANONYMOUS FOUNDATION** provided a grant to CWH to support our work to restore wetlands.

**BIOPHILIA FOUNDATION** supports efforts that protect, restore, enhance and preserve wildlife habitat, and efforts that can help reconnect individuals with nature. Biophilia Foundation provided support for CWH's work on the Eastern Shore of Maryland.

**CHESAPEAKE BAY TRUST** provides grant funding for on-the-ground Chesapeake Bay restoration projects throughout Maryland. The Trust provided funding to help CWH restore a non-tidal wetland on a farm in the lower Chester River watershed.

**CHESAPEAKE WILDLIFE HERITAGE MEMBERS** provided important funding for day-to-day operations and program budgets at CWH through their annual membership and special appeal donations.

**THE COMMUNITY FOUNDATION OF WASHINGTON COUNTY (MD)** provided support for CWH's habitat restoration and protection efforts in western Maryland from CWH's Endowment Fund established through the Foundation's Waltersdorf-Henson Endowment Fund Challenge.

**EARTHSHARE** is a national non-profit and federation of environmental charities that connects people and organizations with effective ways to support critical environmental causes. They connect hundreds of thousands of individuals with environmental and conservation charities through employee engagement & giving campaigns at public and private sector workplaces across the country.

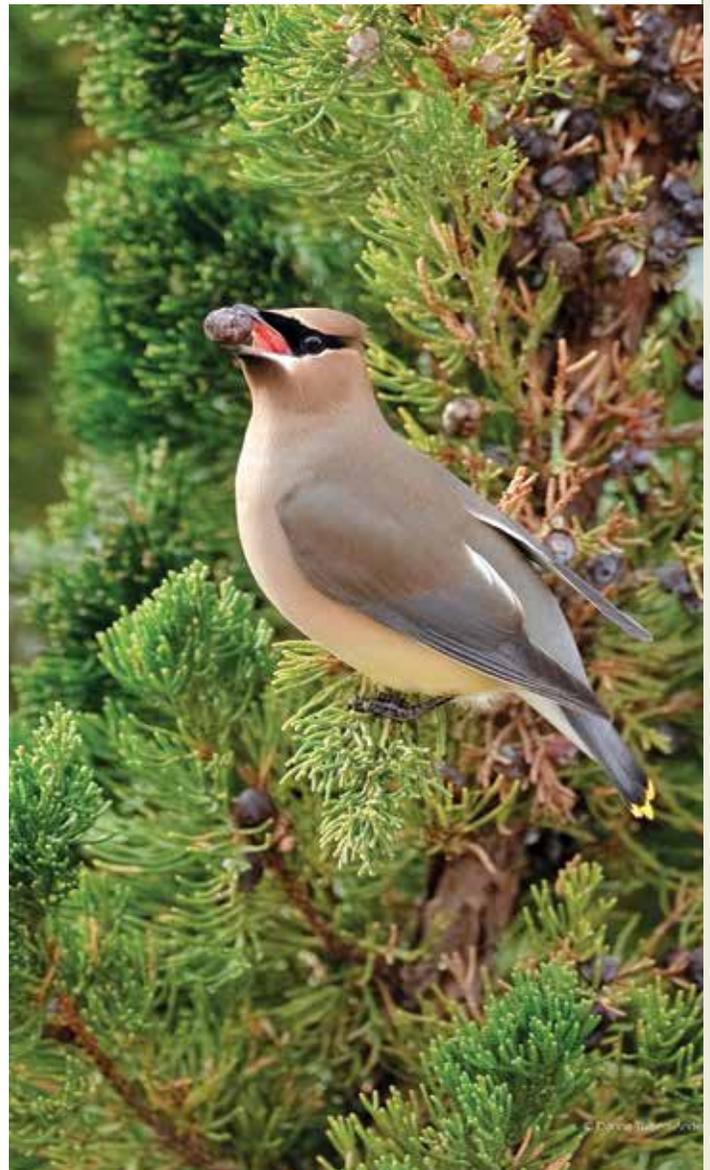
**EPA'S SMALL WATERSHED GRANTS PROGRAM**, administered by the National Fish and Wildlife Foundation, provides support for small-scale watershed restoration and protection efforts in the Chesapeake Bay watershed. The Small Watershed Grants Program provided assistance with CWH's efforts to restore wetlands in the Chester River and Tred Avon River watersheds.

**HEALY FOUNDATION** awarded grants to support the Chesapeake Care Wetland Restoration Program.

**MARYLAND'S DEPARTMENT OF NATURAL RESOURCES** provided support to restore a non-tidal wetland in the Chester River watershed.

**ROBB & ELIZABETH TYLER FOUNDATION** supported CWH's work to restore and manage wildlife habitat.

**UNITED HEALTH GROUP** supported CWH's work to restore and manage wildlife habitat through its employee matching gifts program.



Cedar Waxwing with juniper berry courtesy of Donna Tolbert-Anderson

## CONTRIBUTION & FOUNDATION SUMMARY

### DONATIONS

MEMBERSHIP	\$ 70,925
ANNUAL APPEAL	77,779
MISCELLANEOUS DONATIONS	64,557
MAJOR GIFT CONTRIBUTIONS	77,000
EARTHSHARE & OTHER WORKPLACE GIVING	2,710

### MAJOR GRANTS

ANONYMOUS	\$ 25,000
BIOPHILIA FOUNDATION	75,000
CHESAPEAKE BAY TRUST	12,800
EPA SMALL WATERSHED GRANT ADMINISTERED BY NATIONAL FISH & WILDLIFE FOUNDATION	39,017
HEALY FOUNDATION	50,000
MARYLAND DEPARTMENT OF NATURAL RESOURCES	45,884



Bumblebee on Buttonbush at CWH's Barnstable Hill Farm on Kent Island.

## STATEMENTS OF FINANCIAL POSITION

For the years ending December 31, 2017 and 2016

ASSETS	2017	2016
<b>CURRENT ASSETS</b>		
Cash and cash equivalents	\$60,334	\$61,398
Cash and cash equivalents--restricted	16,550	50,165
Accounts receivable	13,700	67,443
Employee advances	1,236	5,032
Prepaid expenses and other Current Assets	1,469	.
Asset for Sale	33,500	.
<b>Total Current Assets</b>	<b>126,789</b>	<b>184,038</b>
<b>FIXED ASSETS</b>		
Land, buildings and equipment (at cost):		
Office equipment	44,654	44,654
Machinery and equipment	349,915	341,648
Automotive equipment	163,855	163,855
Buildings	1,198,667	1,148,001
Land	3,853,932	3,853,932
	5,611,023	5,552,090
Less accumulated depreciation	1,121,003	1,044,263
<b>Total Fixed Assets</b>	<b>4,490,020</b>	<b>4,507,827</b>
<b>OTHER ASSETS</b>		
Investment in Endowment	446,333	388,062
<b>TOTAL ASSETS</b>	<b>5,063,142</b>	<b>5,079,927</b>
<b>LIABILITIES AND NET ASSETS</b>		
<b>CURRENT LIABILITIES</b>		
Accounts payable and accrued expenses	13,454	65,388
Line of credit	106,442	65,000
Current maturities of long-term debt	5,691	9,790
<b>Total Current Liabilities</b>	<b>125,587</b>	<b>140,178</b>
<b>LONG-TERM DEBT</b>		
Notes payable	21,100	26,779
<b>Total Long-Term Debt</b>	<b>21,100</b>	<b>26,779</b>
<b>Total Liabilities</b>	<b>146,687</b>	<b>166,957</b>
<b>NET ASSETS</b>		
Unrestricted	4,728,192	4,713,245
Temporarily restricted	49,583	61,045
Permanently restricted	138,680	138,680
<b>Total Net Assets</b>	<b>4,916,455</b>	<b>4,912,970</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$5,063,142</b>	<b>\$5,079,927</b>

# STATEMENTS OF ACTIVITIES

For the years ending December 31, 2017 and 2016

	Unrestricted	Temporarily Restricted	Permanently Restricted	2017	2016
<b>CONTRIBUTIONS, REVENUE AND OTHER SUPPORT</b>					
Grants–Other	\$196,264	•	•	\$196,264	\$256,587
Contributions and dues	246,586	2,500	•	249,086	291,873
Landowner project fees	175,957	•	•	175,957	258,066
Investment income	14,446	8,363	•	22,809	18,598
Other income	10	•	•	10	20
IRS refund	2,024	•	•	2,024	4,464
Rental income	40,177	•	•	40,177	47,980
In-Kind contributions	33,853	•	•	33,853	15,306
Gain (loss) on sale of assets*	•	•	•	•	(503,336)
Realized/unrealized gain (loss) on investments	26,291	13,791	•	40,082	14,106
<b>TOTAL CONTRIBUTIONS, REVENUE &amp; OTHER SUPPORT</b>	<b>735,608</b>	<b>24,654</b>	<b>•</b>	<b>760,262</b>	<b>403,664</b>
<b>EXPENSES</b>					
Program services	594,063	•	•	594,063	792,410
General and administrative	106,113	•	•	106,113	109,808
Fundraising	56,601	•	•	56,601	65,879
<b>Total Expenses</b>	<b>756,777</b>	<b>•</b>	<b>•</b>	<b>756,777</b>	<b>968,097</b>
Net assets released from restrictions	36,116	(36,116)	•	•	•
Change in net assets	14,947	(11,462)	•	3,485	(564,433)
Net assets, beginning of the year	4,713,245	61,045	138,680	4,912,970	5,477,403
<b>NET ASSETS, END OF YEAR</b>	<b>\$4,728,192</b>	<b>\$49,583</b>	<b>\$138,680</b>	<b>\$4,916,455</b>	<b>\$4,912,970</b>

See Independent Auditors' Report

The Notes to Financial Statements are an integral part of these statements.

## 2017 DONORS

The staff and board of CWH extend our thanks to everyone who donated in 2017. Unfortunately, space will not allow the listing of all donors in this report. If you made a donation in one of the categories listed and we missed acknowledging your gift, please forgive us and let the office know.

\* Denotes a matching gift was made for their donation.

### HABITAT STEWARD (\$2,500 AND UP)

Anonymous (5)  
Margaret R. Bennett  
Biophilia Foundation, Inc.  
Brendsel Family Foundation  
Chesapeake Bay Trust  
Community Foundation of Washington Co.  
MD, Inc.  
Gerret Copeland  
W. James & Maxine Farrell  
Fred & Jean Glose  
Jeanette Glose  
David & Rose Greytak  
Healy Foundation  
Laura & Keith Hoffman  
JPMorgan Charitable Giving Program  
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