

ANNUAL REPORT

OHIO DEPARTMENT OF NATURAL RESOURCES

2020
FISCAL YEAR

TUNDRA SWANS AT KILLDEER PLAINS WETLAND

We've entered a new decade for conservation and environmental management. April 2020 marked the 50th anniversary of Earth Day, an event which signaled a profound shift in our country's understanding of how human activities impact nature and what we must do to protect our natural resources.

The Ohio Department of Natural Resources (ODNR) has been and continues to be at the forefront of state agencies working to ensure that future generations inherit our natural treasures in better condition than we found them.

One of our most important natural resources is water, and we are blessed to have it in abundance in Ohio. Thanks to Governor DeWine's direction, we are focused on maintaining the quality of that water for all Ohioans. This past year, Ohio kick-started the H2Ohio initiative to ensure the long-term health of our lakes and waterways, leading with the protection of Lake Erie. It is crucial that we address the underlying issues that are impacting water quality if we are going to ensure that all of Ohio has access to clean water.

ODNR's portion of the H2Ohio program is focused on building and restoring wetlands across Ohio. Wetlands are unique ecosystems that can be one of the most effective and cost-efficient ways to reduce excess nutrients, including phosphorus, in our waterways. We know that wetlands are a key component of water quality, thanks to years of study at Old Woman Creek and Grand Lake St. Marys, along with research from across the country. We have embarked on dozens of wetlands projects across the Western Lake Erie Basin and will be closely monitoring the work to understand its contribution to water quality and habitat and species support.

We have also initiated efforts to protect additional forests, lakes, and prairies to ensure they are both protected and available for public use in the years to come. In FY20, ODNR acquired over 12,000 acres of new public land. Most significantly, we acquired more than 30,000 acres in Southeast Ohio for the public to enjoy in perpetuity. This property will be acquired in installments through the end of calendar year 2020. Located close to the existing Jesse Owens State Park, Ohioans of all ages now have more areas

where they can get outside to explore our state's pristine, natural beauty. We also added land to Pike State Forest for All Purpose Vehicle use and dedicated two additional state nature preserves.

In addition to protecting water and land, wildlife protection remains a key part of ODNR's mission. From regulating hunting and trapping to reviving species in decline, this isn't easy or simple work but it's necessary. Public investment in conservation produces results, and history has shown that it's possible to recover and revitalize species — even those in precipitous decline.

This year, the Division of Wildlife undertook a bald eagle nest census for the first time since 2012. With the help of citizen scientists, our Wildlife biologists confirmed 707 nests in Ohio — a 151% increase from eight years ago. This astounding result shows what's possible when we use scientific data to inform how we implement best practices for wildlife and habitat management.

ODNR continues to be proactive in creating and preserving healthy habitats for a variety of species and promoting diversification through common tern monitoring, reintroducing the hellbender and woodrat, and assisting pollinators by partnering with the Ohio Department of Transportation to plant milkweed across the state.

A significant part of ODNR's conservation work involves restoring lands and habitats to health, which protects the public as well as the plants and animals who depend on these environments. For example, this past year the Division of Mineral Resources Management's Abandoned Mine Lands program eliminated thousands of feet of dangerous highwalls and sealed 19 old mine portals. The Division of Oil and Gas Resources Management has embarked on an ambitious schedule to plug abandoned wells. In FY20, 100 wells were plugged, compared to 76 in FY19, with plans to do even more in the upcoming year. This critical work improves the safety of Ohioans and the environment.

Thanks to these outstanding conservation efforts, ODNR can offer more recreational opportunities for Ohioans to build appreciation for the natural world.

One of the best ways to explore Ohio at your own pace is through trails, and no trails are more family-friendly and educational than the new series of Storybook Trails, now at five state parks. Storybook Trails present children's books in a series of child-height panels to blend the fun of outdoor exploration with reading. ODNR also distributed almost \$10 million in grants to municipalities and local organizations to help develop trails and amenities for hikers and outdoor enthusiasts. Trails aren't limited to terra firma, either. ODNR dedicated three new water trails to keep pace with the increasing participation in paddle sports: the Lake Erie Islands, Cuyahoga River, and Blanchard River state water trails.

Ohio State Parks provide excellent opportunities to connect with friends and family while rediscovering the great outdoors. To encourage Ohioans to explore new parks and find their space, we created the Ohio State Parks Passport. Printed in full color and with a page for every park, the passport includes a full set of custom state park decal stickers that visitors can use to commemorate each new visit. With a variety of parks and historic sites in every region of Ohio, new adventures are just around the corner. It's our hope that this passport will become both a record and a roadmap for Ohioans as they journey through our state parks.

Not only can Ohioans experience unparalleled outdoor recreational opportunities at ODNR properties, but we have renewed our focus on sharing special historic locations with visitors. Whether it's the sprawling Punderson Manor Lodge, the living history museum of Pioneer Village at Caesar Creek State Park, or the Moonville Tunnel at Zaleski State Forest, there are many treasures we are documenting, protecting and inviting the public to explore further.

Public spaces are for everyone, and ODNR strives to make sure all visitors feel welcome, included, and safe. We made strides in adding ADA-accessible facilities and amenities, such as playgrounds, ramps and boat launches that visitors of all abilities can enjoy. ODNR is also developing educational opportunities appealing to a wide variety of perspectives and reaching out to underrepresented populations to get them involved in conservation and outdoor recreation.

The Conservation Teen Advisory Council (ConTAC) invites diverse students from across the state to develop innovative and practical ideas that empower young people to protect and preserve Ohio's natural resources, provide feedback and make recommendations to enhance outdoor outreach. The Natural Resources Women's Network allows ODNR staff members to engage in professional development, outreach events and networking opportunities with other women in the natural resources field. Additionally, we are looking for more ways to recruit diverse outlooks to the DNR team. Ohio's precious natural resources belong to all Ohioans, and we want to encourage people of all backgrounds and interests to enjoy this natural heritage and provide opportunities to those interested in furthering this critical work through their career.

The last quarter of this fiscal year has challenged ODNR in unprecedented ways. The response to the COVID-19 pandemic has encouraged rapid changes in how and where we fulfill our responsibilities to the people of Ohio. In just a few months, ODNR has adapted to meeting our daily challenges while working remotely, increased our online presence to connect youth and adults with the natural world through technology, and adopted stringent precautions at state properties for the safety of the public.

The great outdoors will always remain open, and we are working hard to make sure Ohioans continue to have great experiences. In the following pages, I encourage you to take a tour of ODNR's highlights from the past year. The real credit, of course, belongs to the people of Ohio for their engagement in confronting challenges and solving issues in an ever-changing world.

Sincerely,

Mary
Mary Mertz, Director

COASTAL RESOURCES

The ODNR Office of Coastal Management is at the forefront of helping communities plan and implement sustainable restoration and enhancement projects that support their local economy.

COASTAL BY THE NUMBERS



94
FEDERAL
CONSISTENCY
REVIEWS



39
SHORE
STRUCTURE
PERMITS



480
VOLUNTEER
HOURS AT
OLDWOMAN
CREEK



20
SUBMERGED
LANDS LEASE
CONTRACT
ACTIONS



280
REQUESTS FOR
INFORMATION



34
TECHNICAL
ASSISTANCE
SITE VISITS



300
CONTACT
HOURS WITH
EDUCATORS
DURING
TEACHERS ON
THE ESTUARY

COASTAL HABITAT PROTECTION

A two-phase, 185-acre wetland restoration project was completed at the Standing Rush site adjacent to Sandusky Bay in Erie County. The Office of Coastal Management secured Great Lakes Restoration Initiative funds for this public-private partnership project with Erie Conservation District and Standing Rush, LLC, a local non-profit corporation.



2,500
CONTACT HOURS OF
CLASSROOM TIME
AND TRAINING AT
OLD WOMAN CREEK
NATIONAL ESTUARINE
RESEARCH RESERVE

COASTAL MANAGEMENT ASSISTANCE GRANTS

Grants totaling \$437,500 were awarded to two park districts and three coastal communities. An additional \$551,602 in non-federal match was leveraged through the grants to fund the construction of enhanced public access to the Chagrin River in Eastlake; detailed design for an ecological restoration project in Lorain to improve water quality; and planning for increased public access and resource protection at Cahoon and Columbia Parks in Bay Village, the new Downtown Toledo Waterfront Metropark, and Turkey Creek Metropark in Ashtabula County.

HEALTHY LAKE ERIE INITIATIVE

The Office of Coastal Management, working cooperatively with Ohio EPA and the Ohio Lake Erie Commission, has committed \$6,070,500 in Healthy Lake Erie State Capital Funds from HB 529 and SB 299 to support three beneficial use of dredge material projects in Toledo, Ashtabula, and Conneaut to eliminate open-lake disposal of dredge material into the Ohio waters of Lake Erie by July 1, 2020. ■

FORESTRY

The Division of Forestry manages Ohio's 24 state forests covering more than 200,000 acres under a multiple-use mission that includes timber production, wildlife habitat, outdoor recreation, natural beauty, forest research, threatened and endangered species, and protection of soil and water quality. The Division of Forestry's responsibilities also include conserving Ohio's diverse forest resource by assisting on management of urban and private forest land, addressing forest-impacting pests and diseases, providing protection from wildfires, safeguarding waterways from pollution, and educational outreach efforts including the Project Learning Tree program. State foresters are experts at managing Ohio's largest renewable resource.

CONSERVING HEMLOCK FORESTS

The ODNR Eastern Hemlock Conservation Plan was completed in 2017 and guides ODNR's statewide work on conserving eastern hemlock from various threats, including the invasive insect, hemlock woolly adelgid (HWA). Division of Forestry staff continued to lead efforts to accomplish this important work, including an integrated pest management program, employing detection surveys, chemical and biological control methods, and education and outreach. Because the Hocking Hills region contains roughly half of the acreage of Ohio's hemlock forests, and encompasses critical ecological and economic resources, it is a high-priority area for hemlock conservation work. In 2020, hemlocks in close proximity to known HWA infestations were protected in key forest areas near Old Man's Cave and in Spruce Run, within Hocking State Forest.



5,218
EASTERN HEMLOCK
TREES ON
2,320
ACRES OF ODNR
LAND PROTECTED
FROM HEMLOCK
WOOLLY ADELGID

ENGAGING OHIOANS & COMMUNITIES

The Division-sponsored Project Learning Tree-Ohio's network of volunteer facilitators hosted 20 workshops to train 294 educators and natural resources professionals in providing hands-on, creative learning experiences that encourage children to think about every part of the environment.

The Division distributed more than \$1.5 million in Trees to Textbooks funds to 14 rural school districts. Funding for the program comes from sustainable timber harvests on Ohio's state forests. Since the Trees to Textbooks program started in 1999, more than \$32 million has been shared with Ohio school districts and local governments.



Trees to Textbooks event.

EXPANDING STATE APV TRAILS

The Division of Forestry signed an agreement to purchase 1,405 acres of land at Pike State Forest for recreational use (1,005 acres this fiscal year, 400 acres next fiscal year). These lands were purchased using All-Purpose Vehicle (APV) registration revenue from the State Recreational Vehicle Fund. After new trails are constructed in the 1,405-acre expansion area, Pike State Forest will double its APV trail mileage and offer riders more than 40 miles of trails to enjoy. ■

ENGAGING NUMBERS

9,721
ACRES OF WOODLAND IMPROVEMENT PROJECT ASSISTANCE ON PRIVATE PROPERTY

\$1.5
MILLION IN TREES TO TEXTBOOKS REVENUE SHARED WITH 14 RURAL SCHOOL DISTRICTS.

2,048
STUDENTS EDUCATED IN 74 URBAN FORESTRY WORKSHOPS

3,370
ACRES OF FOREST AND CONSERVATION PROJECTS ON STATE FOREST PROPERTY

107
GRANTS TOTALING MORE THAN \$491,000 PROVIDED TO RURAL FIRE DEPARTMENTS, COMMUNITIES, AND NON-PROFITS IN THE FIRE PROTECTION REGION

63
THE DIVISION OF FORESTRY'S AESTHETICS TEAM REVIEWED AND MADE RECOMMENDATIONS ON POTENTIAL TIMBER HARVEST PROJECTS.

1,005
ACRES ADDED TO THE STATE FOREST SYSTEM

GEOLOGICAL SURVEY

Ohio's abundant natural resources depend, in large part, on the underlying geology. The topography and chemistry of Ohio's underlying rocks and soils help dictate what plants and animals live and thrive here. The Division's mission is to provide geologic information and services needed for responsible management of Ohio's natural resources.

GEOLOGICAL SURVEY BY THE NUMBERS

✓ 6.2K NEW WATER WELL RECORDS RECORDED

💧 4.9K ABANDONED WATER WELL SEALING REPORTS

📖 3K PUBLISHED MAPS NOW DIGITALLY ACCESSIBLE

📶 71 EARTHQUAKES RECORDED

👉 26 GEOLOGIC HIKES, FOSSIL HUNTS, SCHOOL VISITS, ETC.

📄 20 NEW SCIENTIFIC ARTICLES, REPORTS, AND MAPS

📍 10,000 SQUARE MILES OF DETAILED GEOLOGIC MAPPING COMPLETED

OHIO SEISMIC NETWORK

The Ohio Seismic Network (OhioSeis) monitors and records seismic activities in the state. The network is comprised of several autonomous recording stations located at state parks and state forests throughout Ohio. Geological Survey recently added 9 new seismic stations to increase coverage and sensitivity. This improved seismic network cataloged 71 earthquakes this past year.

KARST INTERACTIVE MAP

The Division launched the new Statewide Interactive Karst Map, which is a record of karst features throughout Ohio, including sinkholes, disappearing streams, and springs. Since 2009, Geological Survey has mapped these features as part of an effort to provide land-use planners, industry, and the general public with information and data needed to help mitigate the effects of these geologic hazards. ■

MINERAL RESOURCES

The Division of Mineral Resources Management regulates the coal and industrial mineral mining industries in Ohio. The Division's mission is to provide for the safe and environmentally sound development and restoration of coal and industrial minerals (IM) extraction sites.

MINERALS BY THE NUMBERS

 **10**
INDUSTRIAL MINERAL (IM) PERMITS ISSUED

 **3,556**
ACRES OF IM AND COAL SITES RECLAIMED

 **174**
COAL AND IM PERMITS MODIFIED

 **43**
VIOLATIONS AND ENFORCEMENT ACTIONS

 **5,573**
MINE WORKERS TRAINED

 **3,426**
INDUSTRIAL MINERAL AND COAL SITE INSPECTIONS

ABANDONED MINE LANDS

The Division administers both a state abandoned mine land program (AML) and a federal AML program to address the highest priority problems resulting from coal mining that occurred prior to the enactment of today's stricter reclamation requirements. Both programs are funded by severance taxes levied on the mining of coal.

In FY 2020, the AML program reclaimed 2,929 feet of dangerous highwalls, stabilized 2.2 acres of landslides and seepage, sealed 19 mine portals and vertical openings, stabilized 26 mine subsidence sinkholes, reclaimed 51.4 acres of impacted stream lands and spoil areas to improve water quality, and contracted \$4.3 million for 55 reclamation projects.

MINE SAFETY

The Mine Safety Program promotes safe mining practices through four program services that include inspections of surface and underground mines with a focus on accident prevention; mine rescue support; certification examination; and safety training.

In FY 2020, the program staff trained a total of 5,573 mine workers in courses such as new miner, annual refresher, first aid and CPR; 753 miners in mine rescue; and 51 miners in the electrical annual refresher. ■

140 IM SAFETY AUDITS

470 REGULAR IM AND COAL INSPECTIONS

37 RE-INSPECTIONS

NATURAL AREAS AND PRESERVES

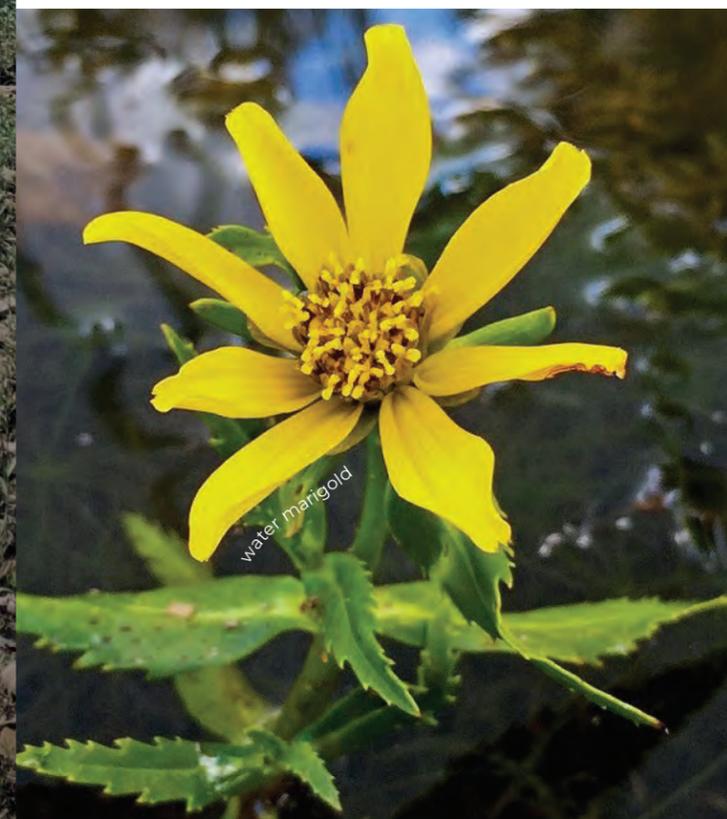
The Division of Natural Areas and Preserves protects some of the best remaining examples of Ohio's rich ecological history. These diverse areas of land contain remnants of Ohio's pre-settlement past, rare and endangered species, and remarkable geologic features. Today, 138 state nature preserves and natural areas protect more than 30,000 acres. In addition, the Scenic Rivers Program protects portions of 15 different Ohio Rivers with a total of 831 miles of designated stream corridor and 6,000 acres of streamside forests and fields.

LAND PROTECTION

The Division of Natural Areas and Preserves added two natural areas to the list of dedicated preserves in Ohio.

The 20-acre W. Pearl King Savanna located in Madison County became the 137th state nature preserve and protects Ohio's largest known population of prairie dropseed. Owned by the Columbus and Franklin County Metro Parks, this preserve protects one of the best burr oak savannas in the historic Darby Plains.

Donald G. Beam Brinkhaven Oak Barrens became the 138th state nature preserve with the dedication of 114 acres in Holmes County. Owned and managed by the Killbuck Watershed Land Trust, the site protects a rare oak barren habitat with no less than 14 rare species including 4 listed species of pinweed.



NATURAL AREAS AND PRESERVES BY THE NUMBERS

-  **2** NEW STATE NATURE PRESERVES
-  **134** ACRES ADDED TO THE STATE PRESERVE SYSTEM
-  **5** PRESUMED EXTIRPATED PLANTS FOUND
-  **1** NEW PLANT SPECIES IDENTIFIED
-  **80** ATTENDEE SCENIC RIVER ADVISORY COUNCIL SYMPOSIUM
-  **1ST** OHIO NATIVE PLANT MONTH WAS CELEBRATED IN APRIL 2020

RARE PLANTS

2019 was an historic year for Ohio's botanists with the rediscovery of five presumed extirpated species — meaning a naturally occurring population had not been observed in more than 20 years — and the discovery of a new native species for the state.

Prune-fruit sedge had never been reported in Ohio before. Extirpated plants rediscovered include black-stemmed spleenwort (which had not been seen in the state in over a century), filiform pondweed, Vasey's pondweed, water-marigold and white cuckoo-flower. ■

H2OHIO

H2Ohio is Governor Mike DeWine's initiative to ensure safe and clean water for all Ohioans and to ensure the long-term health of our lakes and waterways.

WETLAND CREATION & RESTORATION

Wetlands naturally improve water quality by trapping, filtering or removing excess nutrients and other pollutants in surface water. ODNR's H2Ohio projects are focused on creating, restoring or enhancing wetlands that are designed and strategically located to maximize nutrient reduction.

Not only are wetlands a cost-effective solution to reduce nutrient pollution, but wetlands also provide recreational opportunities for birdwatchers, waterfowl hunters, and boaters, as well as habitat for uniquely adapted plant and animal species.

CURRENT PROJECTS

When the H2Ohio initiative was launched, ODNR drew upon its expertise in building and enhancing Ohio's natural infrastructure and developed a cross-division program to identify high-impact wetland creation, restoration, and enhancement projects. These projects range from constructing inland flow-through wetlands to reconnecting diked coastal marshes and are focused on the Maumee River and Western Lake Erie Basin watersheds and on several top priority inland lakes that have experienced harmful algae blooms in recent years.

ODNR currently has 26 wetland projects in progress and broke ground on its first project in June of 2020 in Seneca County. The ODNR H2Ohio Program continues to identify future opportunities for strategic, targeted nutrient reduction wetlands to improve Ohio's water quality. ■

H2OHIO BY THE NUMBERS

- +** **\$28.9**
MILLION IN
WETLAND PROJECT
IMPLEMENTATION
- 📖** **3,535**
WETLAND ACRES TO BE
CREATED, RESTORED, OR
ENHANCED
- 🍃** **26**
WETLAND PROJECTS
IDENTIFIED
- ✳️** **90+**
OHIO THREATENED OR
ENDANGERED SPECIES
DEPEND ON WETLANDS
FOR SURVIVAL
- 👥** **12**
NON-PROFIT
CONSERVATION
PARTNERS ENGAGED
- 💧** **60,000+**
ACRES OF WATERSHED
AREA FILTERED



OIL & GAS RESOURCES

The Division of Oil and Gas Resources Management regulates Ohio's oil and natural gas industry by protecting Ohioans and the environment while ensuring that the state's natural resources are managed and developed responsibly.

OIL & GAS BY THE NUMBERS



463
ALL DRILLING PERMITS ISSUED



325
PLUG PERMITS ISSUED



34
WELL PAD PERMITS ISSUED



380
HORIZONTAL WELL PERMITS ISSUED



95
SEISMIC STATIONS INSTALLED



25.7k
SITE INSPECTIONS COMPLETED

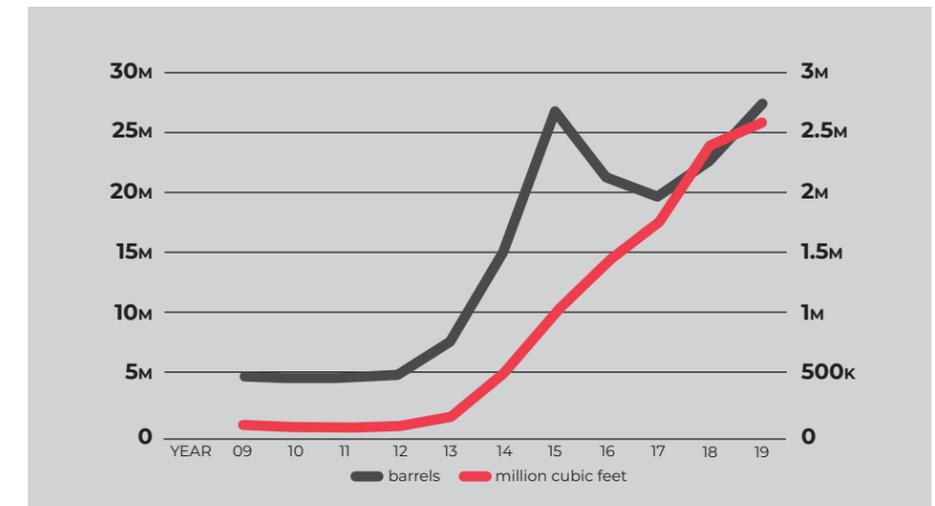


130
ORPHAN WELL PROGRAM: WELLS IN CONTRACT (FY20)



\$11.9M
ORPHAN WELL PROGRAM: PLUGGING EXPENDITURES (FY20)

OIL & GAS PRODUCTION

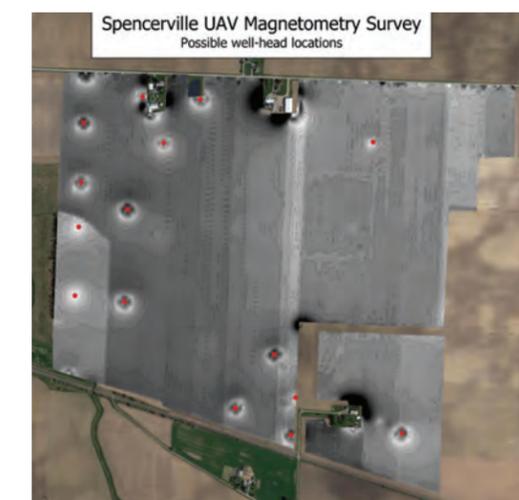


ORPHAN WELL PROGRAM

The Orphan Well Program plugs improperly abandoned oil and natural gas wells. Proper plugging of orphan wells is necessary to protect public health and safety, conserve natural resources, and allow the efficient development of Ohio's oil and gas resources. In FY20, the Division had 130 orphan wells either plugged or in contract to be plugged.

SURVEY SECTION

The Division's Survey section continued to expand its use of aerial and ground magnetometer surveying to locate



orphan wells. This aerial photo shows a map of possible wells (as depicted by the red dots) in a large field in Allen County that would have been unknown without the use of drone technology. ■

STATE PARKS & WATERCRAFT

The Division of Parks and Watercraft serves as the state's primary provider of outdoor recreational experiences, with 75 parks located in 59 counties. The Division's mission is to provide exceptional outdoor recreational and boating opportunities by balancing outstanding customer service, education, protection, and conservation of Ohio's state parks and waterways.

STORYBOOK TRAILS

The Division of Parks and Watercraft opened five Storybook Trails at Alum Creek, John Bryan, Dillon, Maumee Bay, and Wingfoot state parks. Launched in 2019 to promote the importance of literacy, a healthy lifestyle, and connecting with nature, Storybook Trails present children's books in a series of child-height panels to blend the fun of outdoor exploration with reading.



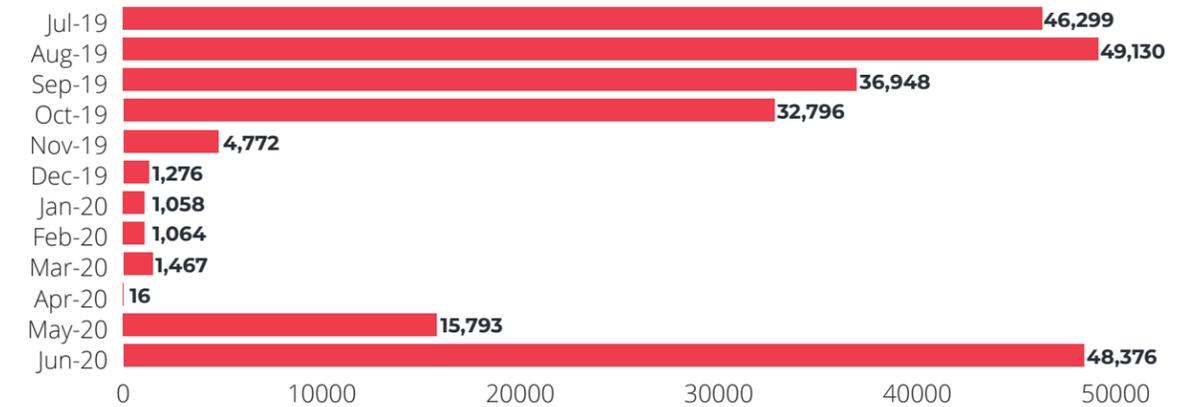
NEW RESERVATION SYSTEM

The Division rolled out the new Ohio Reservation and Watercraft Registration System in December 2019. The new registration system provides a one-stop shop for camping reservations and watercraft registrations, while simultaneously lowering fees paid by customers, improving the user experience through new online search features, and updating the Ohio State Parks rewards card program to better serve customers by removing blackout dates and enabling customers to earn points faster.

 **238,995**
TOTAL RESERVATIONS

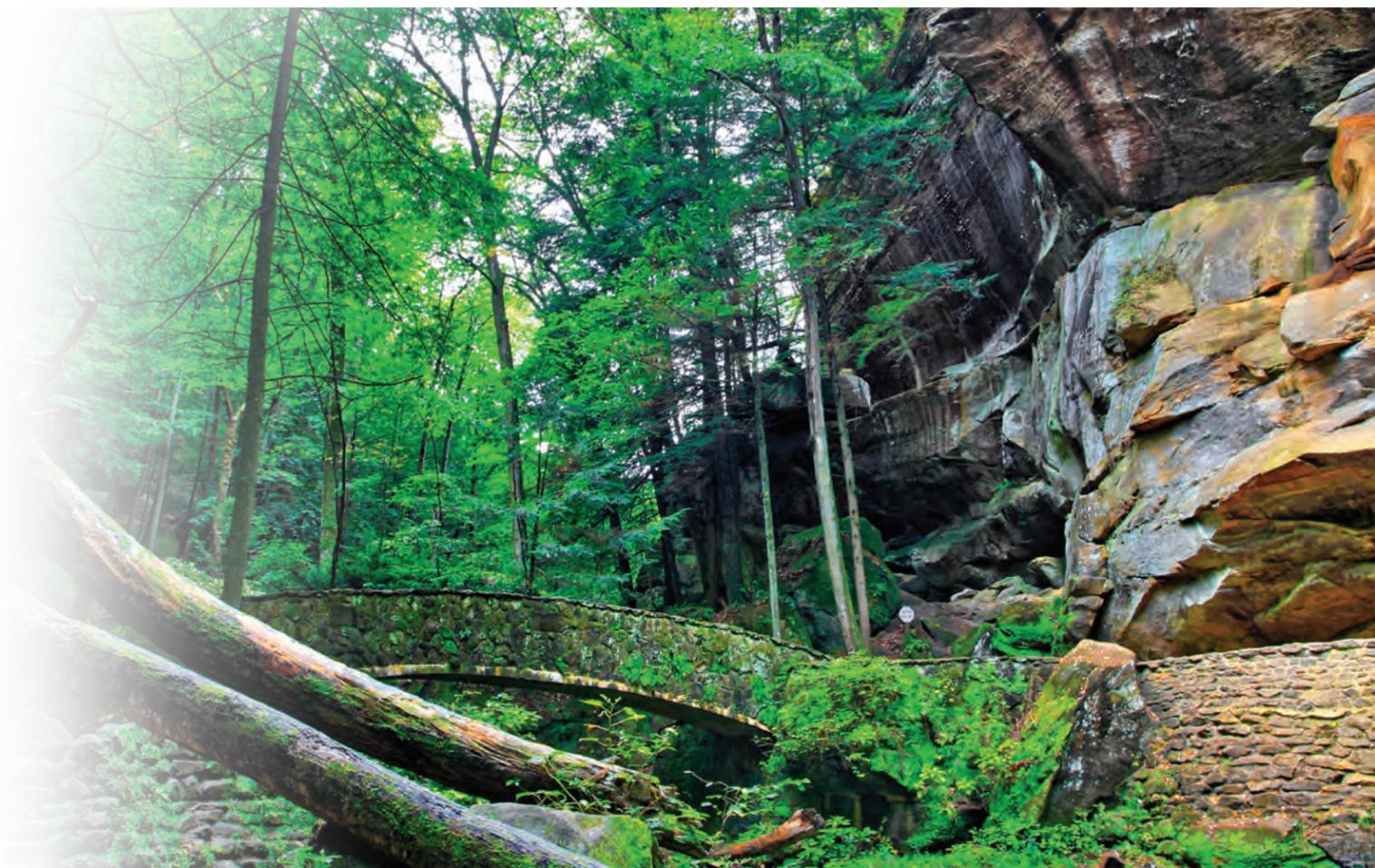


RESERVATIONS BY MONTH



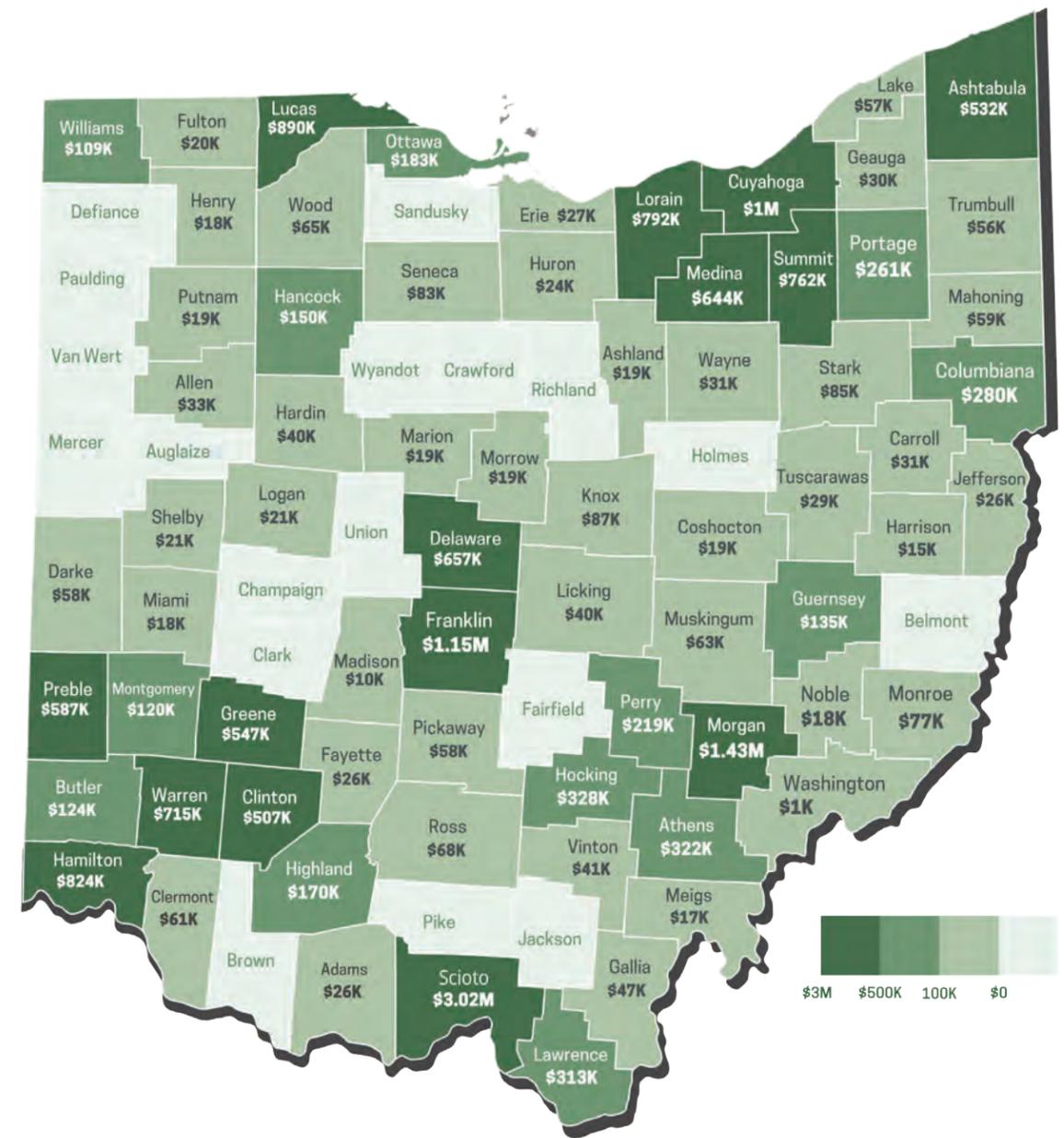
HOCKING HILLS TRAIL RESTRUCTURING

The Division modified the Hocking Hills State Park trails system to better accommodate social distancing during the COVID-19 pandemic. Several trails were re-routed and turned into one-way only, which has the added benefit of protecting the environment around the trail by reducing traffic. ■



REAL ESTATE AND LAND MANAGEMENT

The Office of Real Estate & Land Management (REALM) provides real estate services and solutions to ODNR's landholding and natural resource-based programs and canal programs.



STATEWIDE GRANT PROGRAMS

CLEAN OHIO TRAILS FUND

The Clean Ohio Trails Fund works to improve outdoor recreational opportunities for Ohioans by funding trails for outdoor pursuits of all kinds.

LAND & WATER CONSERVATION

Federal program which provides up to 50% reimbursement assistance for state and local government for the acquisition, development, and rehabilitation of recreational areas.

NATUREWORKS

The program provides up to 75% reimbursement assistance for local government subdivisions for the acquisition, development, and rehabilitation of recreational areas.

RECREATIONAL TRAILS PROGRAM

Federal program providing up to 80% of funding for projects such as new trails, trail maintenance, facilities, equipment, and acquisitions.

REALM BY THE NUMBERS



1,000+
ENVIRONMENTAL
REVIEWS COMPLETED



12,289
ACRES OF NEW PUBLIC
LANDS ADDED

\$5.7M
LAND & WATER
CONSERVATION FUND

\$6.64M
CLEAN OHIO
TRAILS FUND

\$2.65M
RECREATIONAL
TRAILS PROGRAM

\$3.37M
NATUREWORKS



8
REAL ESTATE
ACQUISITIONS
COMPLETED



44
TECHNICAL
ASSISTANCE VISITS

LAND SURVEYING

REALM provides professional surveying and research for ODNR's many holdings and associated public/private boundaries. Miles of public lands are surveyed each year. This past year included field work at seven state parks, four wildlife areas, two scenic rivers and numerous sites on the Ohio & Erie and Miami & Erie canal lands.

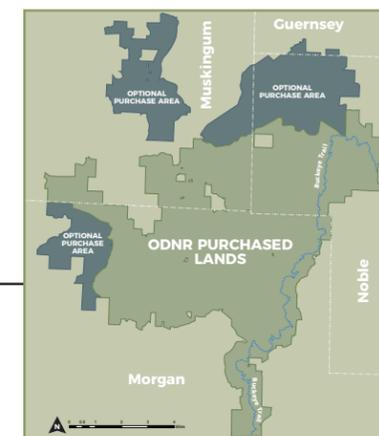


HISTORIC PRESERVATION

Initiated in 2020, the Historical Preservation program ensures ODNR's many historic structures and sites are well documented and maintained. Staff is revising and writing new articles about each site in ODNR's inventory. Recent initiatives also include researching the potential for visitor interaction at sites documenting and honoring early Native American mounds and later events surrounding the life of Tecumseh and the Shawnee.

EXPANDING PUBLIC LANDS

ODNR added more than 12,000 acres of public lands in FY20. The Division of Forestry acquired more than 1,000 additional acres that was added to Pike State Forest to expand the existing All-Purpose Vehicle (APV) area. Additionally, ODNR reached an agreement with American Electric Power (AEP) to purchase more than 31,000 acres of habitat in Morgan, Muskingum, Noble, and Guernsey counties. The land will be forever protected for wildlife conservation and recreational activities via \$47 million from the Ohio Legislature, marking ODNR's largest acquisition to date. ■



OHIO'S WATER RESOURCES

The Division of Water Resources ensures the wise management of Ohio's water resources and infrastructure through three primary programs: Dam Safety, Floodplain Management, and Water Inventory and Planning.

WATER BY THE NUMBERS



168
DAM SAFETY
INSPECTIONS
COMPLETED



33
EMERGENCY
ACTION PLANS
REVIEWED AND
APPROVED



27
DAM REPAIR
PROJECTS
REVIEWED AND
APPROVED



7
VIOLATIONS
ISSUED TO
OWNERS OF
DEFICIENT DAMS



\$182k
FEDERAL GRANT
FUNDING FOR
FLOODPLAIN
MANAGEMENT



500
RESPONSES TO
FLOODPLAIN
ASSISTANCE
REQUESTS



220
REQUESTS FROM
ACROSS THE
STATE FOR WATER
WITHDRAWAL
DATA

DAM SAFETY

ODNR is responsible for inspecting and regulating more than 1,500 public and privately owned dams statewide. ODNR's mission is to ensure that dam systems are properly maintained and operated for the public's safety. In FY20, the Division issued seven Notice of Violations (NOVs) and five administrative Chief's Orders to owners of severely deficient dams, and five dilapidated dams were breached or modified to reduce the risk to public safety.

WATER WITHDRAWALS

ODNR collects information on water withdrawals from facilities around the state, as required by law. In 2019, ODNR received more than 2,000 annual water withdrawal reporting forms and processed 58 new water withdrawal facility registration forms — required for any facility that has the capability to withdraw 100,000 gallons per day. There were 220 requests for state-wide water withdrawal data from engineering consultants; hydrogeological consultants; planners; federal; state and local agencies; and citizens for multiple uses — primarily for planning and designing important projects.

FLOODPLAIN MANAGEMENT

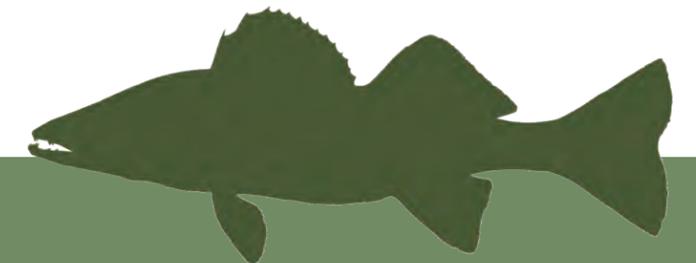
Floodplain management involves corrective and preventive actions to reduce the damage caused by flooding and to promote the natural benefit of floodplains. In FY20, ODNR responded to more than 500 requests for floodplain-related technical assistance from communities, citizens, and the private sector, and hosted eight floodplain management-related trainings. ■

DIVISION OF WILDLIFE

Ohio offers world-class opportunities for fishing, hunting, trapping, birding, wildlife viewing and other forms of fish and wildlife recreation in 150 state wildlife areas, encompassing 204,000 acres of public land.

OHIO'S LAKE ERIE WALLEYE

Ohio's portion of Lake Erie is the epicenter of the world's largest population of walleye, with catch rates that are unparalleled. Lake Erie's walleye population in 2020 is projected to be 116 million fish.



WILDLIFE BY THE NUMBERS



152%
INCREASE IN
BALD EAGLE
NESTS FROM 2012



184,465
WHITE-TAILED
DEER HARVESTED



434
DEER ADDED TO
THE BUCKEYE
BIG BUCK CLUB
RECORD BOOK



116
MILLION
ESTIMATED
WALLEYE IN LAKE
ERIE IN 2020

ANNUAL DETAILED FINANCIAL REPORT

For Fiscal Year 2020
(July 1, 2019 to June 30, 2020)

The Annual Report of the Department of Natural Resources covering the receipts and expenditures of all moneys.

ODNR's operating budget for FY21 was \$511.1 million. FY20 expenditures (capital and operating) totaled \$756.6 million. Total revenue deposited was \$335.1 million.

FISCAL BY THE NUMBERS

\$56.4M
GENERAL REVENUE (GRF)
OPERATING EXPENSES

\$756.9M
TOTAL OF
ALL EXPENSES

\$292.7M
NON-GRF
EXPENSES

\$289.9M
IN TOTAL
REVENUE

ANNUAL EXPENDITURES - FISCAL YEAR 2020

By Appropriation Line Item

FUND	ALI	APPROPRIATION LINE ITEM	EXPENDITURES
GRF	725401	DIVISION OF WILDLIFE-OPERATING	\$1,773,000
GRF	725413	OPFC RENTAL PAYMENTS	\$47,428,226
GRF	725456	CANAL LANDS	\$130,950
GRF	725505	HEALTHY LAKE ERIE FUND	\$522,815
GRF	725507	COAL AND MINE SAFETY PROGRAM	\$2,744,501
GRF	725520	SPECIAL PROJECTS	\$2,000,000
GRF	725903	NATURAL RES GEN OBLIG DEBT SRV	\$19,600,844
GRF	727321	DIVISION OF FORESTRY	\$4,862,097
GRF	729321	COMPUTER INFO SVS/COMMUNICATNS	\$178,063
GRF	730321	PARKS AND RECREATION	\$37,137,912
GRF	736321	DIVISION OF CHIEF ENGINEER	\$2,031,339
GRF	737321	DIVISION OF WATER RESOURCES	\$1,687,746
GRF	738321	OFF OF REAL ESTATE & LAND MGMT	\$727,790
GRF	741321	DIVISION OF NATURAL AREAS	\$2,561,708
1550	725601	DEPARTMENTAL PROJECTS	\$1,022,116
1550	725676	Hocking Hills State Park Lodge	\$13,000,000
1570	725651	CENTRAL SUPPORT INDIRECT	\$5,614,341
2040	725687	INFORMATION SERVICES	\$5,684,480
2050	725696	HUMAN RESOURCE DIRECT SERVICE	\$2,844,714
2230	725665	LAW ENFORCEMENT ADMINISTRATION	\$3,033,007
2270	725406	PARKS PROJECTS PERSONNEL	\$1,439,350
3320	725669	FEDERAL MINE SAFETY GRANT	\$283,147
3B30	725640	FEDERAL FOREST PASS-THRU	\$348,453
3B40	725641	FEDERAL FLOOD PASS-THRU	\$106,762

FUND	ALI	APPROPRIATION LINE ITEM	EXPENDITURES
3B50	725645	FEDERAL ABANDONED MINE LANDS	\$8,943,973
3B60	725653	FEDERAL LAND & WATER CONSERVTN	\$650,092
3B70	725654	RECLAMATION-REGULATORY	\$1,577,341
3P10	725632	GEOLOGICAL SURVEY-FEDERAL	\$153,932
3P20	725642	OIL AND GAS-FEDERAL	\$146,873
3P30	725650	REAL ESTATE & LAND MANAMNT-FED	\$2,912,202
3P40	725660	WATER-FEDERAL	\$102,528
3R50	725673	ACID MINE DRAINAGE ABATE/TRTMNT	\$503,613
3Z50	725657	REALM FEDERAL	\$1,837,304
4300	725671	CANAL LANDS	\$711,059
4M80	725675	FOP CONTRACT	\$7,055
4S90	725622	NATUREWORKS PERSONNEL	\$276,683
4U60	725668	SCENIC RIVERS PROTECTION	\$27,356
5090	725602	STATE FOREST	\$9,011,777
5100	725631	MAINTENANCE-STATE-OWNED RESID	\$92,890
5110	725646	OHIO GEOLOGICAL MAPPING	\$4,680,142
5110	725679	GIS CENTRALIZED SERVICES	\$505,303
5120	725605	STATE PARKS OPERATIONS	\$34,056,238
5140	725606	LAKE ERIE SHORELINE	\$1,751,841
5160	725620	WATER MANAGEMENT	\$2,612,074
5180	725643	OIL AND GAS PERMIT FEES	\$22,937,818
5180	725677	OIL & GAS WELL PLUGGING	\$14,379,205
5180	C725U6	OIL AND GAS FACILITIES	\$576,364
5210	725627	OFF-ROAD VEHICLE TRAILS	\$2,927,014
5220	725656	NATURAL AREAS CHECKOFF FUNDS	\$546,832
5290	725639	UNRECLAIMED LANDS	\$4,077,422
5310	725648	RECLAMATION SUPPLMNTL FORFTURE	\$627,522

FUND	ALI	APPROPRIATION LINE ITEM	EXPENDITURES
5E00	725612	WILDLIFE LAW ENFORCEMENT	\$49
5EM0	725613	NATURAL RESOURCES LAW ENFFORCE	\$20,408
5HK0	725625	OHIO NATURE PRESERVES	\$21,998
5MW0	725604	NATURAL RES SPECIAL PURPOSE	\$-
5P20	725634	WILDLIFE BOATER ANGLER ADMIN	\$14,651,486
5TD0	725514	PARK MAINTENANCE	\$1,390,998
6150	725661	DAM SAFETY	\$820,830
6350	725664	FOUNTAIN SQ FACILITIES MANGMNT	\$3,683,488
6970	725670	SUBMERGED LANDS	\$544,518
6H20	725681	H2OHIO	\$31,808,940
7015	740401	DIVISION OF WILDLIFE CONSERVTN	\$56,835,502
7015	C725B0	ACCESS DEVELOPMENT	\$97,810
7015	C725B6	UPGRADE UNDERGROUND FUEL TANKS	\$71,674
7015	C725K9	WILDLIFE AREA BLDG DEV/RENOV	\$9,710,682
7015	C725L9	DAM REHABILITATION	\$294,693
7026	C725D5	FOUNTAIN SQ BLDG/TELPHNE IMPRV	\$1,951,037
7026	C725D7	MARCS EQUIPMENT	\$377,726
7026	C725E0	DNR FAIRGROUNDS AREAS-UPGRDING	\$17,132
7026	C725N7	DIS OFC RENOV DEV	\$2,755,035
7031	C72512	LAND ACQUISITION	\$8,505,823
7031	C72549	ODNR FACILITIES DEVELOPMENT	\$5,255,974
7031	C725B7	UPGRADE UNDERGROUND FUEL TANKS	\$-
7031	C725C2	CANALS HYDR WORK SUPPORT FACS	\$462,160
7031	C725E1	LOCAL PARKS PROJECTS-STATEWIDE	\$7,836,772
7031	C725E5	PROJECT PLANNING	\$1,052,218
7031	C725J0	NATURAL AREAS/PRESERVS MNT/FAC	\$130,477
7031	C725K0	STATE PARK RENOVATIONS/UPGRDNG	\$1,160,454

FUND	ALI	APPROPRIATION LINE ITEM	EXPENDITURES
7031	C725M0	DAM REHABILITATION	\$275,994
7031	C725N5	WASTEWATER/WATER SYSTEMS UPGRD	\$862,972
7031	C725N8	OPERATIONS FACILITIES DVMT	\$461,615
7031	C725T3	HEALTHY LAKE ERIE INITIATIVE	\$19,810,000
7035	C72513	LAND ACQUISITION	\$47,000,000
7035	C725A0	ST PKS CAMPGROUNDS/LODGS/CABNS	\$75,669,443
7035	C725B5	BUCKEYE LAKE DAM REHABILITATN	\$2,623,157
7035	C725C4	MUSKINGUM RIVER LOCK & DAM	\$8,078,668
7035	C725E2	LOCAL PARKS PROJECTS	\$38,487,933
7035	C725E6	PROJECT PLANNING	\$8,973,434
7035	C725L8	STATEWIDE TRAILS PROGRAM	\$16,584
7035	C725N6	WASTEWTR & WTR SYSTMS UPGRDE	\$5,265,978
7035	C725R3	ST PKS RENOVATIONS/UPGRADE	\$7,555,776
7035	C725R4	DAM REHABILITATION-PARKS	\$37,441,543
7035	C725R5	LAKE WHITE ST PARK-DAM REHAB	\$7,751,088
7035	C725U4	WATER QUALITY EQUIPMENT & PROJ	\$13,328
7035	C725U5	THE BANKS	\$12,000,000
7035	C725U7	EAGLE CREEK WTRSHD FLOO MIT	\$15,000,000
7061	725405	CLEAN OHIO OPERATING	\$182,748
7061	C72514	CLEAN OHIO TRAIL FUND	\$12,265,297
7086	725414	WATERWAYS IMPROVEMENT	\$5,697,705
7086	739401	WATERCRAFT OPERATIONS	\$20,415,272
7086	C725A7	COOP FUNDING FOR BOATING FAC	\$12,220
7086	C725N9	OPERATIONS FACILITIES DVNT	\$627,377
7086	C725Q6	ODNR FACILITIES DEVELOPMENT	\$75,472
8150	725636	COOPERATIVE MANAGEMENT PRJCTS	\$143,485

FUND	ALI	APPROPRIATION LINE ITEM	EXPENDITURES
8160	725649	WETLANDS HABITAT	\$824,130
8170	725655	WILDLIFE CONSERVATION CHECKOFF	\$1,888,382
8180	725629	COOPERATIVE FISHERIES RESEARCH	\$1,500,000
8190	725685	OHIO RIVER MANAGEMENT	\$21,762
81B0	725688	WILDLIFE HABITAT	\$838,821
R017	725659	PERFORMANCE CASH BOND REFUNDS	\$483,750
R043	725624	FORESTRY	\$1,503,466

Total GRF **\$123,386,991**

Total Non-GRF **\$633,234,106**

Total All Funds **\$756,621,097**

ANNUAL REVENUE - FISCAL YEAR 2020

By Fund

FUND CODE	FUND DESCRIPTION	YTD REVENUE
1550	DEPARTMENTAL SRVCS-INTRASTATE	\$660,832
1570	CENTRAL SUPPORT IND CHARGEBACK	\$5,811,873
2040	INFORMATION SERVICES	\$7,126,952
2050	HUMAN RESOURCES DIRECT SRVCS	\$2,948,466
2230	LAW ENFORCEMENT ADMIN	\$3,262,608
2270	PARKS CAPITAL EXPENSES	\$1,401,473
3320	MINE GRANT	\$283,147
3B30	FOREST PRODUCTS	\$631,440
3B40	FLOOD CONTROL	\$108,550
3B50	ABANDONED MINE RECLAMATION	\$10,047,658
3B60	LAND WATER CONSERVATION	\$2,920,920
3B70	REGULATORY	\$1,633,634
3P10	GEOLOGICAL SURVEY-FEDERAL	\$163,879
3P20	OIL AND GAS-FEDERAL	\$59,883
3P30	REAL ESTATE/LAND MANAGEMENT	\$3,560,284
3P40	WATER-FEDERAL	\$111,545
3R50	ACID MINE DRAINAGE/ABATE/TREAT	\$620,753
3Z50	REALM FEDERAL	\$963,335
4300	CANAL LANDS	\$574,476
4M80	FOP CONTRACT	\$9,500
4S90	CAPITAL EXPENSES	\$279,580
4U60	SCENIC RIVERS PROTECTION	\$50,943
5090	STATE FOREST	\$7,900,067
5100	PROPERTY MANAGEMENT	\$56,197

FUND CODE	FUND DESCRIPTION	YTD REVENUE
5110	GEOLOGICAL MAPPING	\$6,497,869
5120	STATE PARK	\$26,919,487
5140	PERMIT AND LEASE	\$1,282,008
5160	WATER MANAGEMENT	\$1,548,783
5180	OIL & GAS WELL	\$75,156,073
5210	STATE RECREATIONAL VEHICLE	\$436,740
5220	NATURAL AREAS & PRESERVES	\$1,205,740
5290	MINING REGULATION SAFETY	\$4,343,623
5310	RECLAMATION FORFEITURE	\$765,411
5EL0	WILDLIFE LAW ENFORCEMENT	\$4,399
5EM0	PARKS & REC LAW ENFORCEMENT	\$5,848
5HK0	OHIO NATURE PRESERVES	\$39,405
5MF0	OHIO GEOLOGY LICENSE PLATE	\$105
5P20	WILDLIFE BOATER ANGLER	\$3,821,830
5TD0	State Park Maintenance Fund	\$339
5UV0	MULTI-YEAR LIFETIME LICENSE	\$5,419,187
6150	DAM SAFETY	\$595,657
6350	FOUNTAIN SQUARE MANAGEMENT	\$4,427,609
6970	LAKE ERIE SUBMERGED LANDS	\$439,861
7015	WILDLIFE	\$62,516,567
7061	CLEAN OHIO TRAIL	\$4,199
7086	WATERWAYS SAFETY	\$34,394,499
8150	COOPERATIVE MANAGEMENT	\$216,058
8160	WETLANDS HABITAT	\$415,278
8170	NONGAME & ENDANGERED WILDLIFE	\$3,424,771
8180	COOPERATIVE FISH RESEARCH UNIT	\$1,385,444
8190	OHIO RIVER MANAGEMENT	\$9,658

FUND CODE	FUND DESCRIPTION	YTD REVENUE
81B0	WILDLIFE HABITAT	\$1,064,871
GRF	GENERAL REVENUE	\$230,120
R017	BOND REFUNDS	\$804,414
R043	TIMBER SALES REDISTRIBUTION	\$1,186,694
R064	PARKS AND WATERCRAFT HOLDING	\$448,653
W061	CLEAN OHIO TRAIL 2020A	\$6,857,629
Z031	OH PARKS/NAT RESOURCE SERIES X	\$38,000,000
	Total	\$335,056,821



ANNUAL REPORT

2045 MORSE RD
COLUMBUS, OH 43229

ohiodnr.gov

2020
FISCAL YEAR

BALD EAGLE NEST

GOVERNOR MIKE DEWINE | DIRECTOR MARY MERTZ