

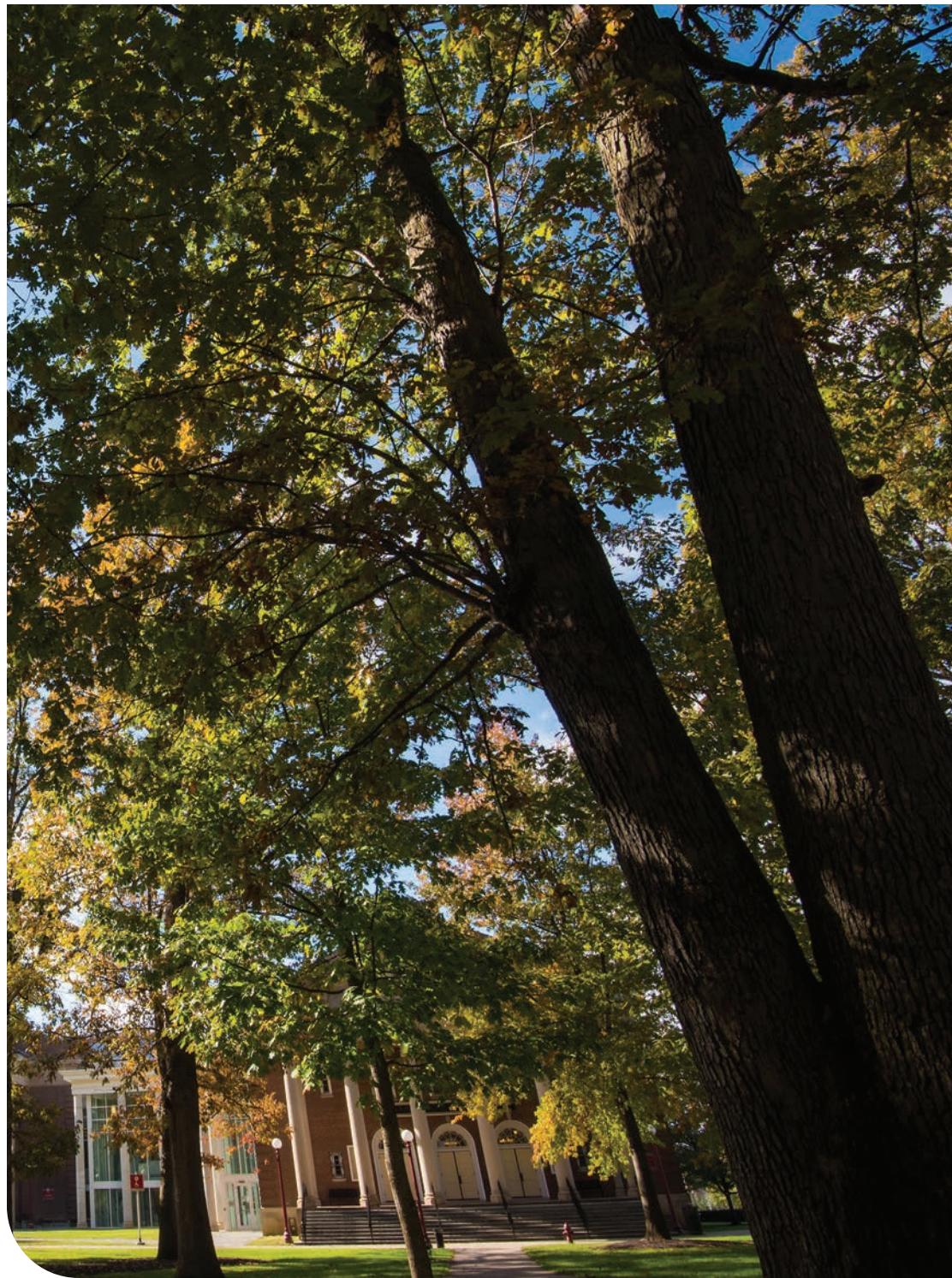


the aLLegheny
ARBORETUM

at INDIANA UNIVERSITY of pennsylvania



Annual Report | 2023-24



A Year of Transition and Progress Continues

I wish to inform you that as of June 30, 2025, I will be stepping down as Executive Director of the Allegheny Arboretum Board. Taking my place will be board members Ms. Barbara Hauge and Dr. Michael Tyree, who will be Co-Executive Directors of the board. The coming year will be a transition year during which I will work with Ms. Hauge and Dr. Tyree to "educate" them about the duties of the board's Executive Director. Completing the 2024-25 Arboretum Annual Report will be my last "official duty".

Progress continues with the Confluence Discovery Park (CDP) project. The ARM Group completed the CDP Master Plan Environmental Study that analyzed the remaining properties that had not been evaluated. This data and information from previous environmental studies were reviewed, and an action plan was developed. In addition, Young & Associates defined the boundary of the proposed CDP and mapped the wetlands at the site. Currently, actions are being taken to implement the ARM Group recommendations and to apply for remediation funding.

This Report also highlights:

- The Fern Hollow Project that is associated with Kopchick Hall.
- A follow-up to the birds of CDP that was featured in the previous two annual reports.
- The partnership to produce the "Weaver's Perfect Memory".
- Some examples of how IUP students and faculty are using the arboretum.

On behalf of the Arboretum board and IUP, we are grateful to all of you who have generously supported the Allegheny Arboretum. The arboretum is an ongoing project that will continue to evolve as part of IUP and the Indiana community. Without your support, we will not be able to accomplish our goals.

There are many ways in which you can help the arboretum succeed. Toward that end, a form for your use is included on the last page of this Report. We thank you in advance for your support. Please feel free to contact me. Until the next Report, please stay in touch.

Cordially,

Dr. Jerry L. Pickering, Executive Director
Allegheny Arboretum Board
Indiana University of Pennsylvania
Robertshaw Building
650 South 13th Street
Indiana, PA 15705-1087

Transfer of Leadership



Dr. Mike Tyree, Ms. Barbara Hauge, Dr. Jerry Pickering, and President Michael Driscoll

Ms. Barbara Hauge and Dr. Michael Tyree will become the Co-Executive Directors of the arboretum board on July 1, 2025. Here is the background information about them.

Since 2007, Barbara has worked in Landscape Architecture at UpStreet Architects in Indiana, PA. Her landscape designs include public and private residential landscapes, commercial designs, and educational and play spaces. Her expertise includes native planting designs, tree and plant

selection, green infrastructure, and marketing. Barb's love of connecting with people has evolved into community engagement for Active Transportation planning initiatives. She serves on the boards of the C&I Trail Council and Allegheny Arboretum where she is also the Assistant Executive Director. She has taught programs for the New York Botanical Garden and Phipps Conservatory and continues lecturing on active transportation, landscape, and gardening topics for university students, garden clubs, local libraries,



and garden-related organizations. In addition to degrees in Horticulture and Landscape Architecture, Barb is also an ISA-certified arborist and is certified with the National Green Infrastructure Certification Program. Local community groups have recognized her community leadership including being awarded The Peggy Clark Grassroots Environmental Leadership Award by the League of Women Voters of Indiana County and added to the Honor Roll of Exceptional Horticulturists with The Garden Club Federation of Pennsylvania. She joined the arboretum board in 2009 and, in 2020, became the board's assistant executive director.

Dr. Tyree is a professor of Applied Plant Ecology in the Biology Department at IUP. He earned a B.S. in Forestry from Penn State in 2002. Later, he chose to

further his education with an emphasis on plant physiological ecology at Virginia Tech, where he earned a M.S. and Ph.D. In 2008, he took a teaching and research position at Louisiana Tech University. Knowing that he wanted to return to Pennsylvania when the opportunity arose, the Biology Department at IUP was the perfect fit for him. It allowed him to blend his passions for teaching, plants, and forest restoration research. He has the room to conduct meaningful research and contribute to his field while working with fantastic students and teaching classes that he is passionate about. In addition to his teaching and research role, Dr. Tyree is the curator of the A.G. Shields Herbarium. He became a member of the arboretum board in 2014.

Confluence Discovery Park 2030 Master Plan

Progress continues on the CDP project. To better understand the status of this progress, a summary of the past activities is worth reviewing.

In 2017, the Allegheny Arboretum and IUP were awarded \$220,000.00 from the PA Department of Conservation & Economic Development for a Greenways, Trials, and Recreation Program Grant. IUP matched a portion (15%) of the total and contributed an additional \$33,000.00. The \$253,000.00 total was used to pay for the development of the *Confluence Discovery Park 2030 Master Plan*, completed in 2019 by Andropogon Associates. One of the important activities that was carried out was to identify and compile all of the environmental studies that had been done on the site of the proposed CDP. Unfortunately, due to the pandemic progress on the project was delayed.

In the spring of 2021, a “tour” of the proposed CDP was given to Ms. Anita Stainbrook, Environmental Program Manager, and Mr. A. Lee Negotte, Project Officer, from the Northwest Regional Office of the Pennsylvania Department of Environmental Protection (PADEP). They recommended that IUP select project directors for the CDP project

and contract services for environmental studies on any properties on the proposed CDP site that had not been evaluated. In the spring of 2022, the Allegheny Arboretum and IUP hired the environmental engineering firm ARM Group to review the environmental studies completed on the four properties previously evaluated at the CDP site. The purpose of the review by ARM Group was to assess the technical, financial, and regulatory feasibility of implementing the master plan and to provide guidance on the next steps needed to bring the plan to fruition. The ARM Group also coordinated meetings with representatives from the Confluence Discovery Park Arboretum Committee, IUP, and the PADEP Northwest Regional Office. Mitchell Peffer, Director of Planning and Construction, and Steven Markiewicz, Associate Director of Facilities Planning and Construction at IUP, were selected as co-project managers for the CDP project.

The ARM Group CDP Master Plan Environmental Summary Report was submitted to IUP in December 2022. The Report provided ARM's conclusions regarding the current environmental status of the CDP and provided a basis



ARM Group personnel testing CDP site: Steven Glodek & Matt Harding, both IUP alumni

for potential "next step" actions for the CDP project area. In their Report, ARM Group stated that "the CDP site is comprised of land with a long industrial, manufacturing, and commercial past; the majority of this land can be considered brownfields as that term is defined by the PADEP and the United States Environmental Protection Agency (USEPA). The conceptual plans of the CDP 2030 Master Plan envision future recreational and educational use of the site as a gateway to the existing IUP Arboretum and IUP campus and as an overall asset to Indiana and the surrounding communities. Though challenging, these goals are believed to be achievable. Through proper funding to support future environmental, engineering, and land development activities, ARM feels that through a phased approach, the goals of the CDP

2030 Master Plan can be met in whole or in part. To achieve these goals, future communication and planning between CDP stakeholders, the greater community, and the PADEP will be paramount to make these goals a reality."

In 2023, the first "action" to move forward with the CDP project was to hire Young & Associates Engineers and Surveyors (Y&A) to complete a physical feature topographic and boundary survey for the entire CDP site. They verified property boundary lines within the project area if new parcels weren't previously surveyed. Y&A also researched existing easements and rights of way and performed a wetland delineation and overlaid floodplain information within the project area for planning future development. The second "action" was to hire ARM Group to do a Limited Phase II Environmental Assessment Report

(ESA) on the parcels of land that needed to be tested, or more extensive testing, which included the former McNaughton Oil/Learn property, the former Whites Spring Land Co./Rouum property, the former Pike/Beck Machine property, and the Hoodlebug Trail Property. The ESA assessment included three components: soil, ground, and surface water, to identify the extent of the contamination. Also, a Hazardous Material Assessment Survey (Hazmat Survey) was completed on the thirteen structures located on the seven properties. The total cost for the two firms to complete the work was \$213,208.00. IUP and the Allegheny Arboretum each paid half of the total cost. The firms submitted their results in May, 2024.

Here are some significant findings and recommendations from the 1,402-page document submitted by ARM Group.

Soils

- Based on the laboratory results collected during this ARM Group

analysis and the results from past investigations, the properties studied have been negatively impacted by prior site operations and historic land use.

- Contaminants detected included various metals, semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs).
- The underground storage tank (UST), rusted drum, and any contaminated soils and/or groundwater should be appropriately addressed.
- PCB characterization, delineation, and/or remediation should be incorporated into future activities at the site.
- Detected levels of arsenic should be further evaluated during future activities. In some cases, these are naturally occurring.
- Based on the anticipated future use of the investigated parcels of land, IUP should enter the parcels in the PADEPL's Act 2 Land Recycling Program that encourages the voluntary cleanup and reuse of contaminated sites.

Wetland #5



Wetland #1



Groundwater and Surface Water

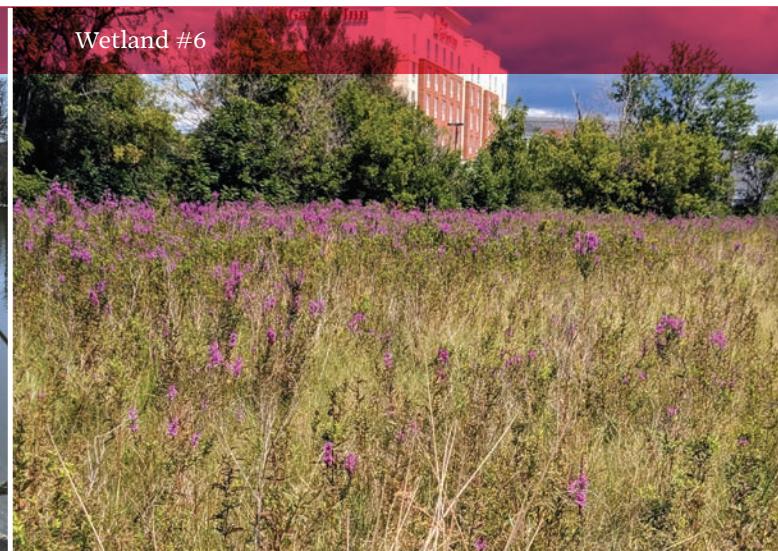
- Contaminants reported to have impacted select parcels include trichloroethylene (TCE), arsenic, and PCB's.
- Prior information reviewed indicates that public water is available, therefore the groundwater ingestion pathway should be eliminated.
- Potential steam sediment impacts and loading of contamination from groundwater should be characterized and addressed in any future investigations.

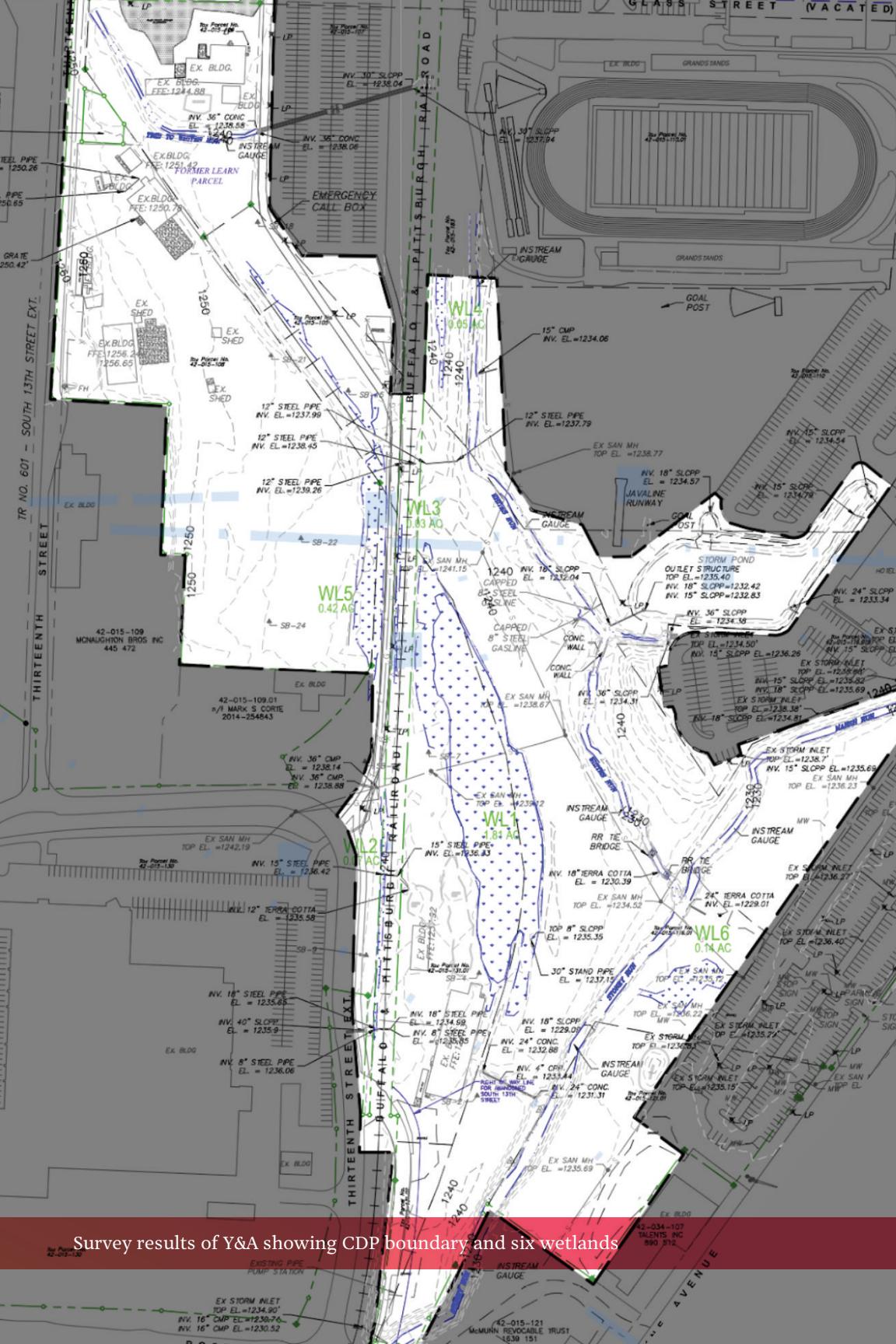
Buildings

- Hazardous Material Assessment Survey (Hazmat Survey) was done on thirteen structures located on the three properties.
- Asbestos Containing Materials (ACM's) do not pose an exposure problem unless sawn, drilled, sanded, or structurally altered.
- Prior to any demolition, a certified asbestos abatement contractor should remove and dispose of any ACM's.

- All regulated lead-based paint (LBP) should be abated before any demolition.
- Any drums, PCB-containing materials, fire extinguishers, fluorescent light bulbs, light ballast, HVAC equipment, chemicals, and paint should be disposed of accordingly before building demolition.

It was recommended that all information from the ARM Group investigation and any prior investigations be condensed into a summary document. Once this has been completed, a meeting should be held with the appropriate stakeholders, ARM Group, and the PADEP. This meeting should prioritize the importance of existing data from previous environmental studies, future site remediation, achievable PADEP standards, and potential limitations on land use as they apply to the goals of the Allegheny Arboretum CDP proposed plan. Currently, IUP is investigating possible funding sources for remediation costs of the CDP site.





Survey results of Y&A showing CDP boundary and six wetlands

Why is remediation (cleanup) of the CDP site necessary?

Due to the contamination of the proposed CDP area it is considered a brownfield site. It is classified as a "non-residential site," meaning that use by the public (trails, teaching, etc.) is prohibited. Remediation of the site must be done to reclassify the land to a "residential site," allowing the land to be developed following the proposed CDP master plan and made available to the public.

The mission of the *Confluence Discovery Park 2030 Master Plan* is to transform a historically flooded, abandoned industrial parcel into a multi-use and aesthetically attractive property that occupies a strategically important gateway to the University and the Indiana community. The CDP Master Plan is available at the arboretum's website: IUP.edu/arboretum.

Note: What is a brownfield site?

A brownfield is a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. It is estimated that there are more than 450,000 brownfields in the U.S.

Note: What is a wetland?

Mr. Shawn Busler, BioMost, Inc., who did the wetland delineation at the proposed CDP site, provided the following information.

Wetlands are areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during

the growing season. Water saturation (hydrology) largely determines how the soil develops and the types of plant and animal communities living in and on the soil. Wetlands may support both aquatic and terrestrial species. The prolonged presence of water creates conditions that favor the growth of specially adapted plants (hydrophytes) and promote the development of characteristic wetland (hydric) soils. Wetland identification and delineation establishes the existence (location) and physical limits (size) of a wetland to comply with the Clean Water Act and other federal, state, and local regulations. If a wetland is found during a wetland delineation, then a permit is required from the Pennsylvania Department of Environmental Protection (PADEP) and possibly the U.S. Army Corps of Engineers (USACE) to disturb it. Not all wetlands are considered jurisdictional by the USACE, but all wetlands are regulated by the PADEP.

Six wetlands were delineated within the proposed CDP, totaling 2.4 acres in size. Most of these wetlands were small and isolated from a surface water connection to any stream and were located in depressions near active and abandoned railroad corridors. The largest wetland onsite, Wetland 1, is 1.81 acres and is a depressional wetland that regularly receives surface runoff from the surrounding area. This wetland is located on an old industrial property and will be incorporated into the park's design. Wetlands can provide both stormwater management and additional biodiversity and ecological functions that are welcome additions to the park.

Birds of the Confluence Discovery Park—Revisited

Dr. John Taylor provided this information as a "follow-up" on the previous two articles in the arboretum's annual reports about the birds at the CDP site.

Birding at the CDP site over the past year was less than stellar, due in large part to the extended drought that saw the "Kovalchick Slough/Wetland 1" dry up completely, rendering it less attractive to both the local birdlife and migrants passing through in the spring and fall. By summer's end, no standing water remained to sustain the populations of amphibians and fish that drew waterfowl and wading birds in good numbers in previous years. What is needed, and hopefully can be included in the future development of the CDP, are modifications to the drainage and perhaps a system of weirs that will allow for periodic diversion of water from the adjacent streams to the slough. This would facilitate the redevelopment and maintenance of a healthy aquatic ecosystem like the one that existed here for several consecutive years when sufficient rain fell to prevent the conversion of the wetlands into more of a grassland habitat, which is what transpired in 2024. The few piscivorous birds like Belted Kingfishers and Great

Blue Herons that did visit the site this past year, after a few heavy rains temporarily replenished the waters of the slough, didn't stay long once they discovered the scarcity of aquatic prey.

Despite the fall-off in bird water-bird abundance resulting from the drought, the CDP site was still worth visiting on a birding venture at times this year owing to the ample supply of food it provided for insectivores and suitable nesting habitat for a variety of colorful local breeding species. The return of Red-winged Blackbirds in the early spring to the territories they stake out and defend through the ensuing months with their fluid calls and display of blazing red epaulets from the treetops never fails to lift one's spirits. And the dazzling yellow of American Goldfinches, as they explode into flight from the tufts of thistles where they feed on the seeds and harvest the fluff (whatever its proper botanical label might be) for lining their nests, provides a similar thrill in the late summer. Most visits to the CDP site this year also yielded a sighting of the yellow-shafted eastern race of the Northern Flicker, a common woodpecker that feeds and nests in the tall trees that line Stony Run. This is one of several species whose beautiful plumage is often under-



Cedar Wax Wing



Eastern Kingbird



Eastern Phoebe

appreciated by birders because we see them so often.

But if any group of birds can claim that 2024 was their year in the CDP, it was the insectivores that sally out from perches to snatch insects from the air, a feeding strategy referred to as "hawking." As their collective name makes obvious, this includes ten different species of flycatchers that are encountered in western Pennsylvania. The CDP site provides an ideal nesting habitat for over half of them. Except for the Eastern Kingbird, an attractive, relatively large flycatcher with strongly contrasting black upperparts, pure white underparts, and a distinctive white terminal tail band, most have; how can I put this delicately...understated plumage? But their dynamic behavior makes up for their less-than-stunning appearance, at least to some extent. The commonest and drabbiest of the lot, the Eastern Phoebe, easily identified by a conspicuous tail wag, is the most

frequently sighted flycatcher at the CDP site. But the Willow Flycatcher, indistinguishable from the Alder Flycatcher except by its call, was also seen often in the slough this year. But not all that "hawks" is a flycatcher. As occurs every year late in the summer, Cedar Waxwings appeared in large numbers in August, filling the treetops and putting on a show as they gracefully pursued insects in flight. Unlike the flycatchers, waxwings are best described as elegant, with a lovely plumage of pastel browns and yellows, a small black face mask, a cardinal-like tuft on the head, and a prominent yellow terminal band on the tail. Combine all that with a few dabs of red on wings, which looked to whoever named the species like droplets of wax, and the result is mesmerizing. No matter how common they are, and there often are scores of them present, the reaction is always the same...Wow! Is that beautiful!?

Benches



Two dedication benches were placed on campus.

Dedicated by Sigma Phi Epsilon Alumni

- In memory of John C Worzbyt, Ed.D.

For 32 years of service to the
Counseling Department and the IUP
community from your friends and
family

- In loving memory of Justin Hager
(Class of 2001)

Devoted Father, Husband, Son, Brother,
Friend, and Teacher

Tree Plantings

Three dedication trees were selected on campus and seven additional plantings.

- 2018-01A: Willow Oak:
(*Quercus phellos*)

In memory of Rachel Moss Schilling
Counselor, Home Economics at ISTC,
1939-1963

In appreciation of her compassion,
dedication, and excellence as a
counselor.

With profound gratitude, Sharri K.
Sedlock '59

- 2018-01B: Willow Oak: (*Q. phellos*)

Celebrating 40 years on campus
Sigma Gamma Rho Sorority Inc –
Kappa Lambda Chapter
Greater Service, Greater Progress
November 19, 1983

- 2024-01: Red Oak (*Q. rubra*)

This tree is dedicated in honor of Dr.
Jerry L. Pickering, Ph.D., Professor of
Biology 1969-2004, Executive Director
Allegheny Arboretum 2000-2025, for
his long time efforts in support of the
Allegheny Arboretum. The donation
was made by his longtime friends
Daniel P. Mahoney and Edward M.
Sibley. May 2024

- 2024-02: White Oak (*Q. alba*)
replanted in East Lawn.
- Five witch hazel (*Hamamelis*
virginiana) and six spice bushes
(*Lindera benzoin*) were planted in Fern
Hollow.



Dr. Pickering

Fern Hollow

The Allegheny Arboretum is developing "Fern Hollow" in the green space north of Kopchick Hall. The goal of "Fern Hollow" is to create a niche garden that will demonstrate the horticultural use of native ferns, fern allies, and flowering perennials typical of a woodland hollow found throughout the Allegheny Mountains. In addition, educational material will display and explain the Carboniferous Period and relate it to present-day energy resources. "Fern Hollow" consists of five planting "zones" that, due to the demolition of Weyandt Hall, will take two years to complete the plantings. Dr. Jerry Pickering, Dr. Holly Travis, and Barb Hauge, R.I.A. of UpStreet Architects, were on the committee that created the proposed planting layout for the five zones. In the fall of 2023, five witch hazel and six spicebush shrubs were planted. In the spring of 2024, Dr. Ellen Yerger,

students from the SEEDS Club and other volunteers planted a variety of perennial plants in four zones. The students and Allegheny Arboretum board members were also actively involved in weeding during the summer. Due to the severe dry summer, many plants did not survive. Therefore, it was decided to concentrate on planting in the two more shaded zones and reevaluate planting in the two more sunny zones in the coming fall. The niche garden and displays will be a focal point for the campus. It will become an educational area for IUP students, student groups visiting campus, and the community. The emphasis of "Fern Hollow" is academic, but it will also create a unique and informative green space associated with Kopchick Hall on the IUP campus attracting visitors (human and insets) alike.

Students planting in Fern Hollow





Carboniferous forest created by student Brooke Murray using Photoshop built by AI

Pennsylvania Public Horticulture Coalition – PPHC / PA Gardens

This past year, the PPHC changed its name to the PA Gardens to better reflect the makeup of the members of the organization. PA Gardens is a coalition of diverse public gardens and related horticulture entities throughout Pennsylvania that was formed in 2021. The organization strives to be the leading voice for Pennsylvania's dynamic public horticulture industry so all citizens of the Commonwealth of

Pennsylvania recognize and celebrate the vital contributions of public horticulture. Currently, twenty-one public gardens are members. Triad Strategies consulting firm was hired to promote the organization and provide opportunities to interact with legislators to raise awareness of the benefits of public horticulture.

papublicgardens.com





Academic Committee

Mapping and Analysis of Campus Trees

In the fall of 2023, Dr. Mike Tyree's dendrology class mapped the campus's woody plants (trees, shrubs, vines). The campus was divided into four zones, and the following information was obtained for each tree: name, # of stems, dbh, vigor (based on four categories), Bartlett tree number if available, accession tag information, dedication tree information, and capturing the GPS coordinates for each. A total of 2,000 perennials were recorded, representing over 40 plant families and 83 genera. Each zone is hoped to be updated on a 5-year rotation.

Forensic Outdoor Research Station

In early 2024, IUP opened the Forensic Outdoor Research Station thanks to the efforts of the College of Natural Sciences and Mathematics and the College of Humanities and Human Services. This station represents collaboration of faculty from Anthropology, Criminology, Biology, and Geology and aims to promote forensic science and decomposition-related research and training. *It was conceived to support the creation*

student Ryan DeVanny digging

Pig study site



of an interdisciplinary forensic science major at IUP, which is currently under administrative review. The dedicated outdoor station includes an enclosed half acre on the south campus, where students and faculty are encouraged to develop and pursue collaborative research projects. The fall 2024 semester saw the commencement of a pig decomposition study by Applied Archaeology Masters students under the supervision of Dr. Andrea Palmiotto. As of September, fifteen stillborn pigs have been situated on the ground surface or buried in shallow graves to observe differences in decomposition rates and scavenging activity over a 1-yr period. Students in Anthropology and Forensic Bioscience courses have been invited to observe and participate in this research. The pigs on the ground surface are observed and photographed daily for the first several weeks postmortem, while trail cameras record any disturbances or scavengers to the area for the duration of the project. These pigs will be complemented with an additional fifteen stillborn pigs situated in February 2025.

Because decomposition is influenced by climate and environment, this regionally unique research station offers insight into the decomposition influences of western Pennsylvania.

Faculty and students have also created mock crime scenes and clandestine graves to facilitate inter-agency field training. Mr. Dennis Marsili, adjunct professor at Carlow University and previous Director of IUP's Criminal Justice Training Center, is collaborating with IUP faculty to incorporate the research station into curricula. In the Fall 2024 semester, undergraduate students in his field investigation courses will be applying forensic science field survey and recovery methods to locate and excavate the scenes.

Soils Training and Research

A partnership with IUP and Soil Hub, LLC is supporting soils training and research conducted on the IUP south woods and is coordinated by Dr. Lara Homsey-Messer in the Department of Anthropology. Soil Hub is an approved

PA Department of Environmental Protection training sponsor for Sewage Enforcement Officers (SEOs) and is contracted to develop and administer mandatory soils training courses for individuals in private industry, the public sector at the municipal, county, and state levels, and—importantly for IUP--to students interested in baccalaureate and graduate careers in environmental and natural resource sciences fields. Soil Hub offers trainings at various locations across the state, including Shippensburg University in central PA and Quakertown in eastern PA. IUP is their westernmost "soil hub." Three, large, permanent backhoe pits are available in the South Woods for training: at 6-feet wide, 10-feet long, 3-6 feet deep. Pit locations were selected to illustrate certain morphological properties, including bedrock weathering, wetland soil development, and the effect of topography on soil development.

Students are trained to identify and

describe soil horizons texture and describe key soil features, and interpret the potential for archaeological sites based on the nature and age of soils. The benefits of this partnership to IUP are several. First, in addition to IUP faculty being able to use the soil pits for classroom and thesis research, IUP students can take the DEP training courses free of charge. Second, Soil Hub provides exposure to IUP's programming and resources to people who would otherwise have no interaction with the University. Third, it supports IUP's mission to utilize partnerships to connect students and faculty with community partners and alumni in order to work towards building a strong, sustainable society alongside a robust economy. Finally, it offers students an experiential learning environment applied to the kinds of real-world situations that they will find themselves working in upon graduation.

Soil Hub class led by Joseph Valentine: IUP Alumnus



A. G. Shields Herbarium

The following information was submitted by Dr. Michael Tyree, Curator of the A. G. Shields Herbarium at IUP.

The A. G. Shields Herbarium is settling into its new location in the Natural History Museum in Kopchick Hall. We began packing the herbarium into plastic bins a year ago, labeling them, and staging them for moving. This work was completed mainly by Peyton Eckard, the primary Herbarium Assistant at that time. When we were given the green light to move, we had about a week last December for the students to help hand-carry each specimen to the new building. They were temporarily stored before being freeze-treated for pests and then moved into the herbarium in the spring. At this time, about 75% of the specimens are safely returned to their cabinets. The remaining cabinets were installed this past summer and the rest of the specimens should be sorted and available for use this fall. To date we have over 10,000 specimens inventoried with hopes to begin digitizing next spring with equipment loaned to us from the Mid-Atlantic Herbaria Consortium. This is our second year of membership with this Consortium.



Dr.Tyree in herbarium



Oak Grove extension



Weyandt Hall demolition



IUP Long-Range Facilities Master Plan Update 2023-24

In November 2009, the University, with the assistance of SmithGroup (formerly JJR), embarked on the preparation of an existing, comprehensive, long-range facilities master plan. The current update produced the final five-year update for this comprehensive 20-year plan. On January 31, 2023, Indiana University of Pennsylvania's Council of Trustees accepted and approved the proposed revisions to IUP's Indiana Campus Long-Range Facilities Master Plan goals and themes. This plan links the University's Strategic Plan to the long-range physical development of the IUP campus. Some key recommendations that relate to the Allegheny Arboretum include:

- Implementation of the Confluence Discovery Park proposal

- Extended Oak Grove along Oakland Ave. to create IUP's Front Door
- New green space: West lawn and amphitheater at the sites where Davis Hall and the former Foster Hall were located
- Grant Street Park completion
- Enhanced East Lawn in front of Sutton Hall when Ackerman Hall is removed

The final Report of the Long-Range Facilities Master Plan can be viewed at:

IUP.edu/university-operations/files/masterplan/lrfmp-update-final-report.pdf



Dr. Jerry Pickering; Rhonda Luckey; Alan Luckey-, Jon Grengs: Maker-in-Residence-
IUP STEAMshop, BA Harrington: Director Wood Center

Weaver's Perfect Memory

The Allegheny Arboretum partnership with Alan and Rhonda Luckey, the Wood Center at IUP, the IUP Steamshop, and IUP Advanced Studio students has successfully supported the construction of the Weaver's Perfect Memory apparatus. The patented apparatus allows a weaver to keep track of the number of repeats in the treading draft (used to keep track of a pattern) in a convenient way. Black oak and red maple from trees from the Oak Grove were used to construct the apparatus. Fifty commemorative units were donated

to IUP and will be available for the 150th anniversary of IUP in 2025. In addition to the IUP logo engraved on the wood, Jane Leonard's charge to every graduate to "Go forth, be true, be brave, be successful" was also engraved in the wood. The cylinder on the Weaver's Perfect Memory exemplifies the past, the present, and the future. The partnership with IUP represents all that Miss Leonard envisioned of her alumni. For additional information view the website: weaversperfectmemory.com



Budget

Balance 7/01/2023	\$221,829.23
Income	\$18,005.73 (\$5,595.00 from endowment)
Expenditures:	\$120,887.75
Annual Report	\$2,767.00
Benches	\$3,000.00
Confluence Discovery Park	\$106,600.00
Fern Hollow	\$5,052.97
IUP Foundation Fees	\$531.50
Membership Dues	\$1,175.00
American Public Garden Association	\$175.00
Pennsylvania Public Horticulture Coalition	\$1,000.00
Plaques, Accession Tags	\$145.28
Trees	\$1,316.00
Balance 6/30/2024	\$108,947.21

An arboretum endowment fund of \$200,000.00 was established with the IUP Foundation in 2022. The fund will provide approximately \$5,595.00 annually to the arboretum budget.

Board Changes

One member left the board:

Mrs. Carla Eichman has been a board member representing the Evergreen Garden Club of Indiana for 20 years. Her input was significant in removing the "Touch & Smell Garden" and creating and maintaining the "Heritage Garden" on campus.

2024 - 2025 Proposed Activities

- 1 Coordinate efforts with the ARM Group, PADEP, Confluence Discovery Park Committee, IUP Facilities Department, and the arboretum board to implement the recommendations of the “action plan” developed by the ARM Group based on their review of the environmental studies of the proposed CDP site. This will involve identifying possible funding sources for starting the next phase of remediation of the CDP site.
- 2 Continue to inform the University and Indiana community about the *Confluence Discovery Park 2030 Master Plan*.
- 3 Begin discussion between the Arboretum board and IUP to develop a strategy to implement Allegheny Arboretum Management, Operations, and Business Plan.
- 4 Continue to carry out arboretum “basic” functions.
 - Coordinate tree plantings and bench donations
 - Update, maintain, and mount accession tags
 - Maintain tree accession list
 - Update, order, maintain, and mount tree plaques
 - Coordinate bill payments and budget
 - Write and supervise the publication of Annual Report
 - Update the arboretum’s web page
- 5 Continue to implement the goals of the following committees.
 - Confluence Discovery Park Committee
 - Fern Hollow Committee
 - Plant Selection Committee
- 6 Continue to cultivate contacts with local organizations.
- 7 Continue to work with administrators, faculty and students at IUP to promote Allegheny Arboretum related projects.
- 8 Continue to implement the goals and objectives of the Allegheny Arboretum.

Allegheny Arboretum Board Members

Mr. W. Thomas Borellis

Assistant to the VP for Administration & Finance for Special Projects, IUP, retired

Ms. Marge Bucci

Indiana Garden Club

Mr. Robert Crusan

Urban Forestry Consultants

Mr. Matt Genchur

Regulatory Specialist, Resource Environmental Solutions

Mr. Charles Flynn

Musser Forest, retired
Treasured Trees Nursery, owner

Ms. Beth Ann Harrington

Director, Wood Center
Art Department, IUP

Ms. Barbara Hauge, RLA, ASLA

UpStreet Architects, Inc.
Co-Assistant Executive Director, Allegheny Arboretum Board

Ms. Laura Herrington

Executive Director of the Indiana County Tourist Bureau

Mr. Laurence Miller

Director of Facilities Maintenance and Operations, IUP

Dr. Jerry L. Pickering

Executive Director, Allegheny Arboretum Board
Biology Department, IUP, retired

Mr. Robert Pollock

Penn State Cooperative Extension

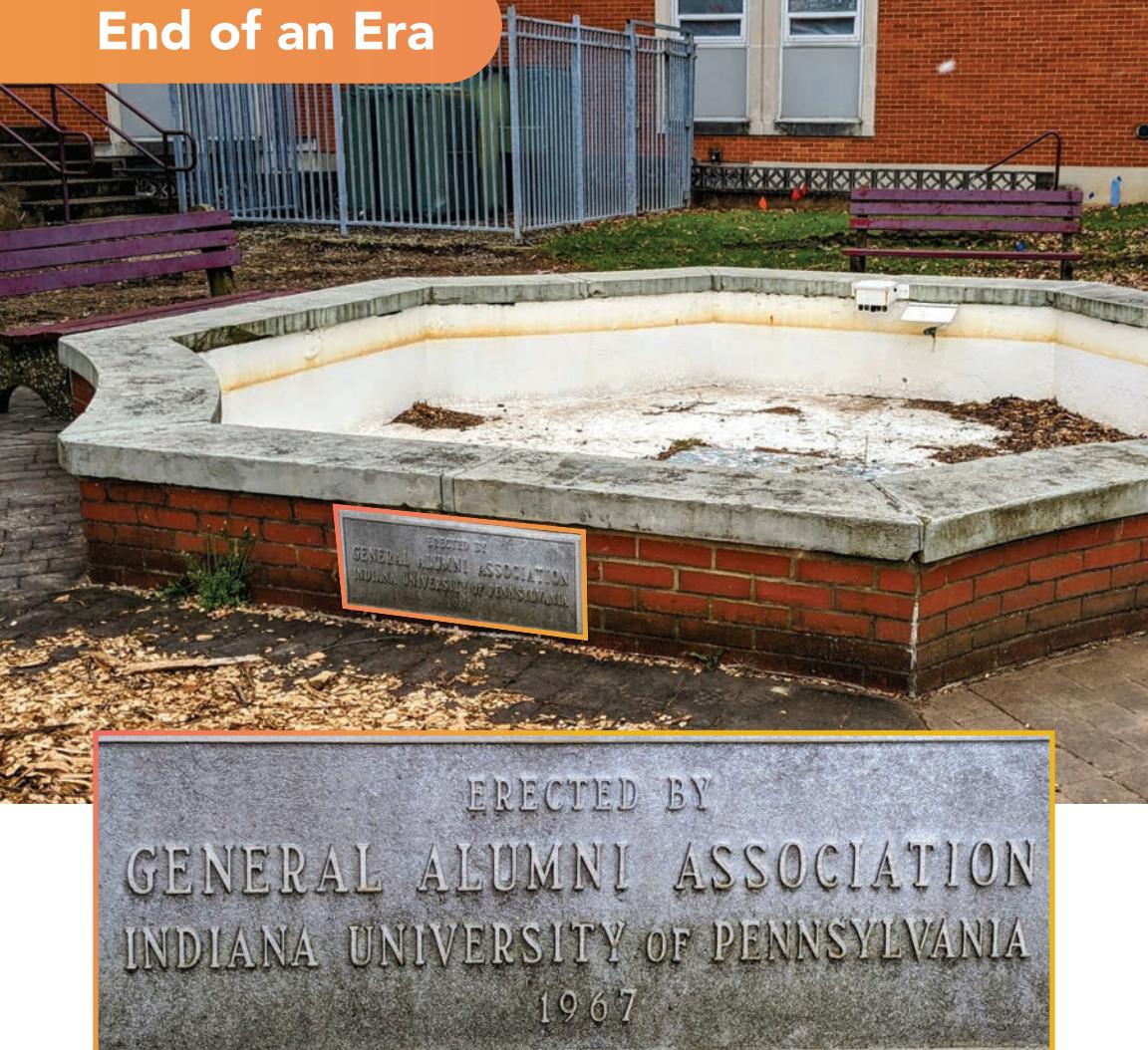
Dr. Holly Travis

Biology Department, IUP

Dr. Michael Tyree

Biology Department, IUP
Co-Assistant Executive Director, Allegheny Arboretum Board

End of an Era



Constructed in 1967, this last "old" fountain on campus will be removed in the coming year. Located north of Weyandt Hall along Oakland Avenue, this Alumni Association funded fountain is

the last of the four "old" fountains once found on campus. The "commercial" fountain east of Breezedale is the only remaining fountain on campus.

Friends of the Arboretum

Anonymous (2)

Karen Atria '95

Frank Baker and Mary Baker*

Faye Bradwick and Donald Lancaster

Bret Buterbaugh and Marie Buterbaugh

Patricia Carey '81 and
William Fisher '80

Patrick Carone '90 and
Stacia Scaletta Carone M'91

Thomas Clemente '85 and Shirley Sato

Jon Darling and Rosalyn Darling

Eileen Stover Felder '95 and
Charles Felder

Trenton Ferro and Judy Ferro

Michelle Fryling and Calvin Fryling

Andrew Joniak

Linda Byer Lemmon M'82

Mary Jo Ludwig and Michael Ludwig

Lycoming Co Band Directors Assn

Dan Mahoney and Ann Elizabeth Bell

Pat Mazanek '73, M'82 and
Patti Shannahan Mazanek '74, M'86

Jack McMillen '75, M'79

Susan Pickering '85, M'89 and
Jerry Pickering

Ruth Riesenman '64

Sharri Sedlock

Wesley Semple M'69 and Susan Semple

Daniel Shively and Joanne Shively

Edward Sibley and Jane Sibley

Ron Thomas and Gerri Thomas

Holly Travis M'03, D'07

Various Donors - Friends

Pauline Wells '94

Sandra Whitson

James Wilson

John Worzbyt* and Jean Worzbyt

Anthony Zeck

*Deceased

“Who we are shows itself not just in the outcomes of our goals but in the paths we take to get there. The trying says more about what is inside us than does the success.”

From: *The Light Catchers*, By Zoe Schlanger

With Your Support...The Allegheny Arboretum at IUP continues to grow, but additional funding is needed in order to continue the efforts of the arboretum. Operating solely through private funding, the Allegheny Arboretum is grateful for the continued support of individuals, businesses, organizations, and foundations.

Since January 2000, the arboretum has planted, nurtured, and developed green spaces on the IUP campus. The restoration and revitalization of the Oak Grove; planting of trees and placing of benches in recognition of friends, family, and loved ones; creation of new niche gardens; and so many other developments have been accomplished through the efforts of everyone involved with the Allegheny Arboretum at IUP.

Your gift makes a difference. Each tree, each garden, each bench leaves a legacy of memories for students, families, friends, and the Indiana community.

To make your gift, complete the form below, visit IUP.edu/giveagift, or call the Office of Annual Giving at 724-357-5555.

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

PHONE _____

HOME

CELL

EMAIL _____

8-Digit ID # from Arboretum Annual Report mailing label @ _____

Please accept my gift to the Foundation for IUP and designate it to

Project of greatest need Project of my choice _____

Please charge my gift of \$ _____ to my

VISA MASTERCARD AMERICAN EXPRESS DISCOVER

CARD# _____

EXPIRATION DATE _____

CVV CODE _____

SIGNATURE _____

Or, I would like to make a pledge of \$ _____ and have reminders sent

1 2 3 4 consecutive months

Visit IUP.edu/giveagift to make a one-time or recurring gift online.

Or, please make checks payable to the Foundation for IUP and mail to Foundation for IUP, Sutton Hall, Room G1, 1011 South Drive, Indiana, PA 15705.

Does your employer, spouse's employer, or former employer (for retirees) match contributions to higher education? Please check with your Human Resources office to see if you can double the impact of your gift by including a matching gift from your employer.



The Foundation for IUP is a 501(c)(3) organization; gifts to the foundation are tax deductible as per IRS regulations. The official registration and financial information of the Foundation for Indiana University of Pennsylvania may be obtained from the Pennsylvania Department of State by calling toll-free, within Pennsylvania, 800-732-0999. For calls that originate outside of Pennsylvania, the telephone number is 717-783-1720. Registration does not imply endorsement.

8481/C2025/2024AFFINITY/AF24



Indiana University of Pennsylvania

Allegheny Arboretum at IUP
Robertshaw Building
650 South 13th St.
Indiana, PA 15705-1087

NON-PROFIT ORG.
U.S. POSTAGE
PAID
PERMIT NO. 198
INDIANA, PA 15701

This Report summarizes the activities of the Allegheny Arboretum Board from July 1, 2023, through June 30, 2024, and presents some projects the board will pursue in the coming year.