



WILDLIFE FOR TOMORROW

Conserving Arizona's Wildlife Resources for future generations to enjoy!





Conservation Work

Wildlife for Tomorrow exists to accelerate and magnify the impact of Arizona Game and Fish Department's mission to conserve and protect Arizona's wildlife and provide safe, ethical outdoor recreation.

The future of our wildlife depends on the work and service of the Arizona Game and Fish Department (AZGFD). Their essential work across the state of Arizona to conserve and manage Arizona's diverse wildlife resources is key to our ability to enjoy the resource and recreation opportunities for current and future generations. Incredibly, this state agency approaches this expansive mission without receiving any funds from the state's general fund for its operations. Instead, AZGFD is a highly efficient agency that is principally self-funded through hunting and fishing licenses and permit fees. As a nonprofit foundation since 1990, Wildlife for Tomorrow (WFT) has been a proud partner with AZGFD, working to provide funds to advance key programs and initiatives beyond AZGFD's self-funding capacity.

This document provides information on AZGFD's priority projects that fall outside of traditional funding resources. As the official nonprofit organization, WFT is advancing the mission of AZGFD by raising funds to support these vital projects.

The priority projects have been divided into four key areas:

- **OUTDOOR HERITAGE:** Connecting People to the Outdoors
- **WILDLIFE EDUCATION:** Connection People to Wildlife through Education
- **WILDLIFE RESOURCES:** Conserving Arizona's Wildlife and Habitat
- **STEWARDSHIP & COMMUNITY:** Through Volunteering, Stewardship, Donations and Programs

WFT invites you to join this vital partnership to protect and preserve Arizona's magnificent wildlife and natural resources for the benefit of all Arizonans!

OUTDOOR HERITAGE



RECRUITMENT, RETENTION AND REACTIVATION PROJECTS

- WFT maintains the facilitation and receipt of the Potterfield Foundation donation grants. These grants fund endowments for AZGFD's Scholastic Clay Target Program (SCTP). These grants provide a sustainable funding model for SCTP teams to function individually. These grants are awarded to WFT and passed on to SCTP teams.
- Sponsorship of a large scale public Learn to Hunt Festival. This event would combine many R3 partner organizations to serve a large audience, providing instruction on safe, legal and ethical use of Arizona's natural resources.

Festival Cost: \$25,000



OUTDOOR HERITAGE



RECREATIONAL ACCESS PROJECT

AZGFD's Access Program's goal is to secure recreational access for the public onto, through, or around private property. This is achieved using a variety of tools ranging from building relationships by providing signage, gates, and cattle guards to direct incentive payments to landowners for access onto or through their private property. This access is essential to providing the greatest opportunities for Arizona families to safely recreate outdoors.

- Engineer, design and construct a new handicap accessible fishing pier at Becker Lake Wildlife area located in Springerville. It is important to provide this opportunity for the public as it is one of very few wheelchair accessible locations in the White Mountains.

Project Cost: \$200,000

WILDLIFE EDUCATION



WILDLIFE CENTER PROJECTS

- Desert Tortoise Adoption Program. Establish a Captive Desert Tortoise Spay Fund to spay surrendered or seized adult females that have been housed with males to prevent them from reproducing.

Project Cost: \$25,000 (\$600/tortoise)

- Wildlife Center Intern Fund. These funds will support a paid intern positions at the Wildlife Center. Wildlife Interns will provide animal husbandry for non-releasable education ambassadors, assist with public outreach, and the care and adoption of desert tortoises.

Cost: \$26,000 per year (1 intern working 1,500 hours)



WILDLIFE EDUCATION



AVIARY FOR NON-RELEASABLE EDUCATION BIRDS

AZGFD understands incorporating non-releasable live wildlife into presentations, outreach events and programs increases the interest and a connection with constituents that aren't familiar with AZGFD's mission.

Historically, AZGFD provided wildlife rehabilitation services to the public, in addition to educational programming that utilized non-releasable wildlife. Both services were highly sought after but AZGFD had limited capacity to do both. Over the past 3 years, AZGFD has reduced their rehabilitation efforts to allow staff to focus on educating the public about wildlife and the Department's mission. This project will provide the resources needed for AZGFD's Wildlife Center to start back up their rehabilitation work.

The Wildlife Center's current housing for the non-releasable birds was built to serve as temporary enclosures. The Wildlife Center is in need of an aviary that can house non-releasable educational birds which would allow AZGFD to retrofit the old enclosures to serve as rehab space.

The primary focus on education stems from the public's desire and interest in attending live wildlife programs, presentations and tours. The current enclosures do not allow the Wildlife Center to provide public tours of the facilities and lack some important design aspects that allow for more expedient cleaning and caring for the non-releasable birds.

Costs: Estimated at \$500,000 for construction and \$50,000 for design plans

WILDLIFE EDUCATION

WILDLIFE VIEWING - STREAMING WEBCAM PROJECT

Currently, AZGFD has four (4) active live-streaming wildlife cameras that have been hugely popular with the public. During peak activity, some cameras have drawn in more than 940,000 individual viewers per month, making this portion of the Watchable Wildlife Program the single most wide-ranging form of engagement undertaken by AZGFD. Since the first installation, more than 2.6 million unique viewers have tuned in to view the AZGFD streaming wildlife cameras from 42 U.S. states and 40 countries from around the globe.

Many factors determine the overall logistics involved in the installation and maintenance of a streaming wildlife camera. Costs of the initial installation and operations and maintenance (O&M) can vary widely depending on the resources available at the camera site. Installation must be conducted in the off-season for the wildlife to not disrupt natural behaviors and potentially threaten the future streaming success of the camera location. Several site options are in consideration ranging from additional raptor nest sites (western screech owls, elf owl, burrowing owl) to a multi-species camera installed at a AZGFD property to maximize viewing season and minimize costs.

On average, if the selected camera location has uncomplicated access to power and WiFi, then the installation costs can be relatively low. If the site requires a relay/repeater station, solar arrays, and boosters to gain access to WiFi to enable streaming, costs rise precipitously. The O&M costs must also be considered as they will continue for each year of operation after the installation.

A generalized list of approximate costs:

- Pan-tilt-zoom HD camera: \$2,000 - 5,000
- Solar array and associated data transmission equipment: \$7,000 - 8,000
- Data transmission equipment w/o solar array: \$850
- Estimate for required miscellaneous equipment (fasteners, copper wiring, lumber, conduit, etc.) : \$600
- Professional installation contractors: \$5,000 - 10,000
- O&M Possible land lease (based upon ASLD rates): \$1,400/year
- O&M Tier 4 or 5 streaming support: \$1,100 - 1,500/year
- O&M WiFi stream capable of supporting HD camera: \$350 - 500/year
- O&M Fuel costs and limited-life equipment: \$400/year

Cost: Estimate for a wildlife streaming cam installation and 1st year O&M costs range from \$12,300-\$26,000

CONSERVING WILDLIFE

RESTORING ARIZONA NATIVE FISH - HATCHERY PROJECTS

- Installation of recirculation plumbing at the native fish isolation/native fish production tanks at Page property. This project will allow the facility to hold and isolate native wild fish prior to being introduced to the hatchery. This area will also serve as refuge for native fish during a fire event.

Cost: \$15,000

- Install flow meters at inflow and outflow at Bubbling Ponds Hatchery. This project will allow for the detection of any water loss due to infrastructure failure as well as monitoring any changes in outflow from the spring.

Cost: \$25,000

- Install flow meters at both springs supplying Sterling Springs Hatchery. This project will allow for the detection of any water loss due to infrastructure failure as there is already a flow meter at the outflow. In addition, it will provide the ability to monitor the springs output at a hatchery where flow is the limiting factor.

Cost: \$20,000

- Installation of metal roofing on existing versatube frame to cover two of Silver Creek Hatchery's Upper Spring Rearing Units. The rearing units are currently covered by degraded and failing shade cloth. The new metal roofs will enhance biosecurity, exclude predators and improve fish welfare. In addition, the roofs will improve working conditions and reduce staff exposure to harsh weather conditions.

Cost: \$75,000

- Install flow meter at head of Lower Spring Rearing Units. This project will provide accurate and remotely accessible inflow data. This project will improve production planning and allow staff to identify the amount of secondary spring flow lost through the lower rearing units' existing drainage system when information is compared between flow meter stations.

Cost: \$20,000

- Install commercial grade hose reels in Canyon Creek and Tonto Creek Hatchery Buildings. The installation of hose reels throughout both facilities' hatchery buildings will improve daily cleaning operations, enhance biosecurity, and reduce staff trip and fall hazards while caring for Apache, Gila, Rainbow, Tiger, and Brook Trout.

Cost: \$10,000

- Install Inline flow meters for Gila trout Broodstock rearing units. Installation of flow meters at the inflow of six - 1500gal, circular tanks will improve long term fish growth and survival, reduce annual consumption of liquid oxygen, and allow staff to accurately track and adjust flow rates by unit.

Cost: \$6,000

CONSERVING WILDLIFE

HABITAT ENHANCEMENT PROJECTS

- Quigley-Achee Wildlife Area pond restoration: Restore a 5 acre pond on the Quigley-Achee Wildlife Area to benefit the marsh/riparian bird species and provide a recreational opportunity for nature lovers - especially bird watchers!

Cost: \$100,000

- Installation of artificial and natural fish habitats for phase 2 of the Alamo Lake Habitat Improvement Project. This would support phase 1 of the project that has installed 300 of the targeted 1,000 Mossback Safe Haven kits, Mossback Crappie Towers, Georgia cubes as well as other structures to improve angler success for Black Crappie, Largemouth Bass and Channel Catfish.

Cost: \$30,000

- Game Management Unit 22N Habitat Enhancement: Year 4 of a 5 year project, removing woody vegetation from historic grassland around Payson. This project benefits elk, turkey, and mule deer.

Cost: \$50,000

- Game Management Unit 6A, Red Rocks Habitat Restoration: Year 1 of a 5 year project, working with United States Forest Service, Salt River Project, and Department of Forestry and Fire Management to restore 50,000 acres of grassland. This project benefits pronghorn and mule deer.

Cost: \$100,000

- Game Management Unit 12A, North Kaibab Ecological Restoration Project: Year 2 of a 5 year project, working with to restore 22,000 acres of grassland. This projects benefits mule deer and turkey.

Cost: \$75,000

- Game Management Unit 24A, Highway Tanks Restoration: Year 2 of a year project, working with the United States Forest Service, Salt River Project, and Department of Forestry and Fire Management to restore 21,000 acres of Grassland. This project benefits mule deer, javelina, black bear, and white tail deer.

Cost: \$100,000

WOLF CONSERVATION

- Mexican wolf Recovery - Mexico: Mexican wolf recovery and delisting requires meeting population objects from the 2017 Recovery Plan Amendment in Mexico as well as the United States. The lack of a livestock depredation program is identified as the top need.

Cost: \$50,000

STEWARDSHIP AND COMMUNITY

- Provide funds for food, beverages (non-alcoholic) for meetings/celebrations, and award items (plaques, etc.) to recognize Department volunteers who donate their time and skills to the regions, programs, or events. Funds would be utilized by regions individually, and by the statewide volunteer program.

Cost: \$6,500



TOGETHER WE MAKE A DIFFERENCE

Please visit www.wildlifefortomorrow.org for more information on how you can make an impact on conservation efforts in Arizona.

The Foundation for the Conservation of Arizona's Wildlife was created in 1990 to enhance the management, protection and enjoyment of Arizona's fish and wildlife resources. Today, the organization does business under the name Wildlife for Tomorrow (WFT). WFT is an independent 501(c)(3) nonprofit organization that works closely with the Arizona Game and Fish Department to provide additional support for projects and education activities where traditional resources are not adequate. WFT's efforts focus entirely on worthy projects within Arizona and no funds are passed on to national offices or to projects in other parts of the country. WFT does not participate in or attempt to influence regulatory, management or legislative decisions, nor does it take a position on controversial or value-sensitive issues. Its single purpose is to support important and worthy projects that make a difference to the wildlife and people of Arizona.