



African People & Wildlife

Organizational Overview

African People & Wildlife (APW) partners with local communities to create effective, sustainable solutions that improve the lives of rural Africans while protecting the natural world.

Internationally-Recognized Conservation Model

Operating on the ground in Tanzania, APW establishes long-term relationships with local people based on commitment and the respectful integration of science and tradition. Our strategic, four step process of engagement leads to sustainable, long-term conservation success via (1) preventing conflict between people, wildlife, and even institutions and stakeholders, (2) building local capacity to manage natural resources, (3) supporting active environmental conservation by the community, and (4) fostering conservation incentives.

Leadership Expertise

Laly Lichtenfeld, Ph.D.: Award-winning Co-Founder and Chief Executive Officer; Yale '99 and '05; National Geographic Explorer; Distinguished Alumni of Yale Tropical Resources Institute

Charles Trout: Co-Founder and Chief Program Officer; Africa-born with real world, lifetime experience in African conservation in the Democratic Republic of Congo, Tanzania, and Kenya

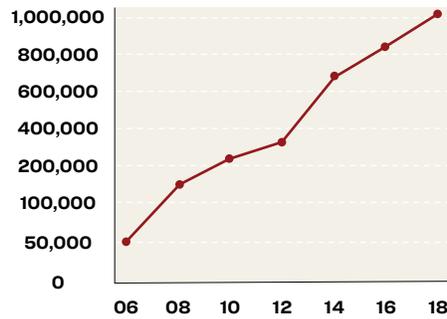
Staff: Full-time staff is 97% Tanzanian, emphasizing local conservation expertise

Scientific Advisory Council: World-renowned scientists sourced from the best and brightest in the fields of conservation and development. africanpeoplewildlife.org/scientific-advisory-council

Field-Based Operations

The Noloholo Environmental Center, which serves as the organization's headquarters, was built on donated, communal land just outside the border of Tarangire National Park. Noloholo is the only center of its kind in the region and serves as an important resource for local communities, conservation organizations, research institutions, and government authorities.

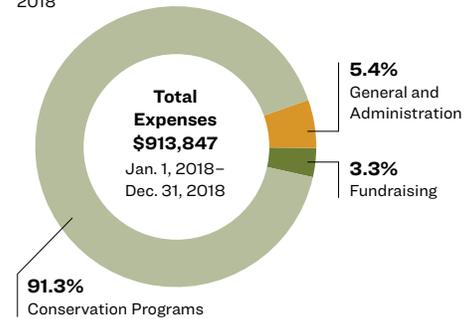
Financial Growth Since Inception*



*Includes funds donated directly to Tanzania via APW's sister organization, Tanzania People & Wildlife (TPW). TPW is a registered non-profit in the United Republic of Tanzania. All data until 2017 sourced from annual reports and provided for fiscal year ends (July–June). Data as of 2017 reflects organizational shift to reporting on calendar year.

Expenses*

2018

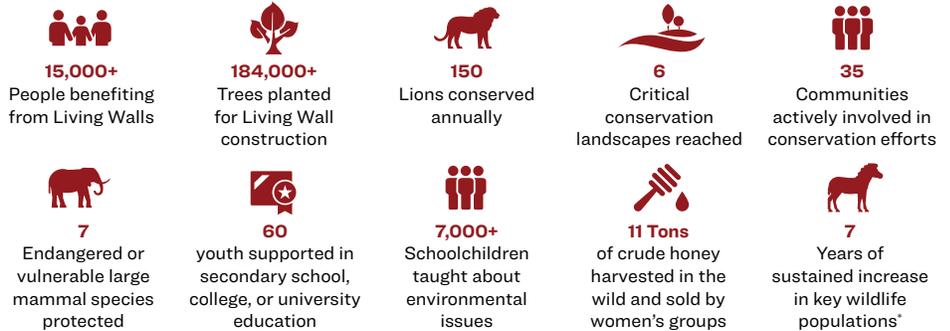


Key achievements of expenditures included the installation of 143 Living Walls, more than 3.5 tons of honey harvested by women's groups via our beekeeping initiative, youth environmental education outreach to more than 4950 rural students, improved rangeland management, and the support of more than 125 Tanzanians. For a full list of achievements, please refer to our **2018 Annual Report**.

*Combined expenditures for APW and TPW

Impact Highlights

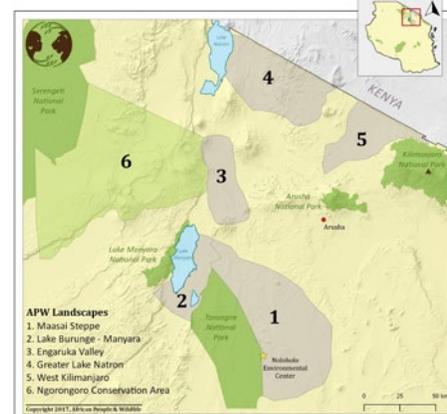
as of December 2019 (cumulative)



*Eight out of the nine most commonly observed species in APW's targeted monitoring area

APW's Conservation Landscapes

africanpeoplewildlife.org/where-we-work-tanzania



Transcending the Boundaries of Conservation and Community Development

Because the majority of the land in northern Tanzania is shared by people and wild animals, each of our programs is designed to benefit human lives while protecting vulnerable wildlife species and habitats.

A Dedication to Monitoring and Evaluation for Data-Driven Impact and Growth

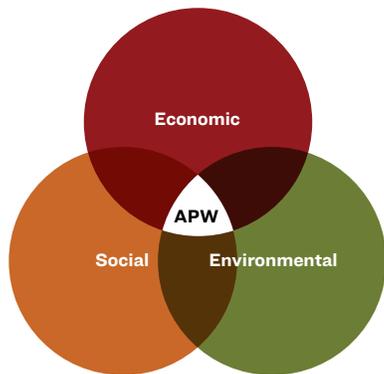
To ensure the positive impact of our work, APW takes a science-driven and adaptive approach to conservation and community development. Our Monitoring and Evaluation staff helps us to receive and process programmatic data quickly and efficiently, enabling us to continually evolve our programs for maximum impact.



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APW's Triple Impacts to Bottom Line

APW's approach to conservation generates measurable, positive results for people, planet, and economic growth.



Economic Impact

- Reduced underemployment
- Improved financial security (livestock protection and rangeland management)
- Increased household revenue

Social Impact

- Livelihood improvements
- Gender equality
- Food security
- Educational opportunities
- Climate change resilience

Environmental Impact

- Wildlife conservation
- Habitat protection
- Community natural resource management

Living Walls: An Example of APW's Impact Multiple of Money (IMM)

At the average cost of \$500/Living Wall and an expected lifespan of 30 years*, conservative estimates suggest that Living Walls provide livestock owners with financial savings of \$2,592 per Living Wall, an IMM of 5.18.** The 1,109 Living Walls currently installed at an expense of \$554,500 are leading to financial savings of \$2,874,528. This figure does not include the value of the social and ecological goods also provided by Living Walls.

*Based on estimates of the longevity of the chain link fencing used in the construction of Living Walls

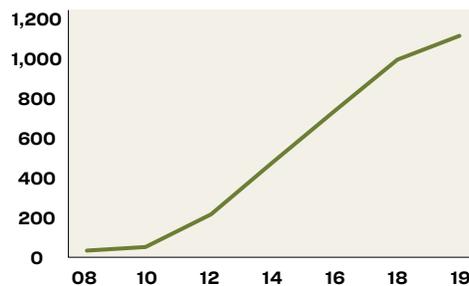
** Calculations based on a conservative annual rate of depredation of .009 attacks/year or a lifetime attack rate of 3.24 (Lichtenfeld et al 2015); estimates based on each attack resulting in the loss of one cow valued at \$800

Living Walls: A Triple Conservation Win

Designed hand-in-hand with local people, Living Walls are environmentally friendly corrals that keep livestock safe from predators. Living Walls are a triple win for conservation because they protect livelihoods, save big cats from retaliatory killing, and add trees to the environment. To build a Living Wall, community members plant a circle of trees that serve as posts for chain link fencing. As the trees grow, they add height to the wall and create an impenetrable barrier. Living Walls are in high demand across northern Tanzania. Local involvement is strong, with individual owners contributing 25 percent of the cost.

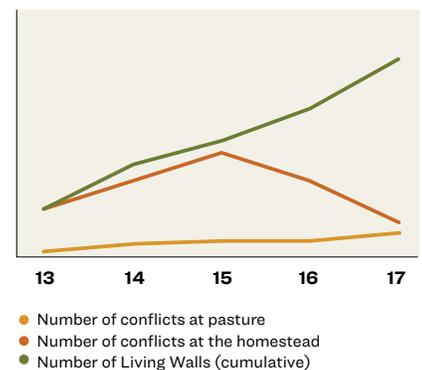
Living Walls in Northern Tanzania

2008-2019 (cumulative)



Conflicts Versus Living Walls

Lake Manyara-Burunge



- Boma (household) depredation rates decline by 90% in areas of high Living Wall density, and Living Walls demonstrated statistical significance in reducing the number of attacks on livestock at the boma as compared to bomas without Living Walls via verified conflict data (Lichtenfeld et al 2015; additional supporting data in Mkonyi et al 2017a).
- 73% of people surveyed indicated they had fewer livestock attacks since the installation of Living Walls, and 94% of individuals with Living Walls indicated they saved money as a result (Wilkinson and Temu, Social Impacts of Human-Wildlife Conflict Resolution, white paper, 2017). Fortified bomas were perceived to be very effective (97.7%) in reducing nighttime depredations, while adult herders were perceived to be effective (71%) in reducing daytime depredations (Mkonyi et al 2017b).
- Prior to Living Wall installations, approximately 6-7 lions were killed annually per community in the Tarangire-Manyara ecosystem (amounting to 72-84 lions/year across 12 communities; Lichtenfeld 2005; Kissui 2008). Zero lions have been killed at Living Walls since their installation (Lichtenfeld et al 2015).
- Livestock owners with Living Walls are significantly ($X^2 = 20.003$, $df = 3$, $p < .001$) more likely to tolerate an increase in carnivore populations (Wilkinson and Temu, Social Impacts of Human-Wildlife Conflict Resolution, white paper, 2017).

Sources:

Lichtenfeld, L. L., C. Trout and E. Kisimir. 2015. Evidence-based conservation: Predator-proof bomas protect livestock and lions. *Biodiversity and Conservation*, 24: 483-491.

Mkonyi, F. J., A. B. Estes, M. J. Msuha, L. L. Lichtenfeld and S. M. Durant. 2017a. Socio-economic correlates and management implications of livestock depredation by large carnivores in the Tarangire ecosystem, northern Tanzania. *International Journal of Biodiversity Science, Ecosystem Services & Management*. DOI: 10.1080/21513732.2017.1339734

Mkonyi, F. J., S. M. Durant, A. B. Estes, M. J. Msuha and L. L. Lichtenfeld. 2017b. Fortified bomas and vigilant herding are perceived to reduce livestock depredation by large carnivores in the Tarangire-Simanjiro ecosystem, Tanzania. *Human Ecology*. DOI: 10.1007/s10745-017-9923-4

Wilkinson, C. and S. Temu. 2017. Social impacts of human-wildlife conflict resolution: Lessons from Living Walls and the PHE approach, white paper produced by University of California Berkeley and the PHE Learning Lab.



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Highlighted Partners and Supporters

- Bloomberg, L.P.
- Disney Conservation Fund
- International Union for the Conservation of Nature (IUCN)
- National Geographic Society
- The Nature Conservancy
- United States Forest Service – International Programs
- Wildlife Conservation Society

Endorsements

“National Geographic is proud to support APW’s success in the recovery of wildlife populations and ecosystems in northern Tanzania. We appreciate the vision and innovation of their team, and we look forward to being a part of their continued growth.”

Gary E. Knell
CEO, National Geographic Partners

“As a recognized leader in the field of community-driven conservation, APW is a true asset to The Long Run’s membership. Their holistic approach aligns with our vision of a world in which business, nature, and people work together for a sustainable future.”

Jochen Zeitz
Founder, The Long Run
Co-Founder, The B Team and Zeitz MOCAA

“APW is community-oriented in the truest sense. It’s a privilege to work on the ground with a group that’s so well attuned to the rhythms of the people and landscapes in which it works.”

John Kerkering
East Africa Regional Advisor,
U.S. Forest Service

APW’s Strategy and Programmatic Commitment

APW is committed to growing both the depth and breadth of its programmatic reach over the coming decade. In terms of depth, we intend to expand our efforts so that each of our programs is available to our constituents (i.e. 35 communities in 2018). In terms of breadth, we aspire to reach a greater number of communities across northern Tanzania in order to achieve maximum landscape connectivity for both people and wildlife. Our growth projections are dynamic and vary according to the magnitude of potential future investments. To learn more about our programs, please visit africanpeoplewildlife.org/tanzania-people-wildlife and the pages under Our Priorities at africanpeoplewildlife.org.

A Model for Scalable Growth

APW’s goals for growth are aggressive, with a desire to quadruple programmatic reach by 2028. Our data-driven programs are smart and scalable. Dedicated to efficiency in expanding our impact, diversifying our revenue streams, and reducing donor dependency, APW goes beyond its on-the-ground efforts in Tanzania by sharing our model and experience with partners, businesses, and additional “clients” via our ACTIVE Community Engagement programming. This approach to scaling our impact utilizes a fee-for-service model to expand our efforts via partners across Africa while also driving unrestricted resources back into our most critical programs in Tanzania. APW has shared Living Wall methodology with multiple partners across Africa. Current ACTIVE clients include the National Geographic Society and the Aid by Trade Foundation.

Opportunities for Growth ¹	2018	2023	2028
Living Walls constructed across northern Tanzania	987+	2,000+	4,000+
Schoolchildren educated on environmental issues	7,000+	14,000+	28,000+
Women involved in sustainable enterprise programs	1,190+	2,300+	4,750+
Communities positively impacted by APW programs	35+	70+	140+
Millions of dollars invested in community-driven conservation to date	\$3M+	\$10M+	\$20M+

¹The examples provided suggest one trajectory reflecting potential investments. However, multiple scenarios are possible and real growth is not expected to be linear as cost/effort is expected to decrease with greater investments. All values are cumulative.

A Commitment to Meeting the UN Sustainable Development Goals

As the organization grows, APW is committed to advancing the United Nations Sustainable Development Goals, which were created to promote prosperity while protecting the planet. We are dedicating our expertise, ideas, and efforts toward the following:

Primary Goals



Secondary Goals



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t @AfricanPplWild

Watch our short film, *Finding the Balance for Communities and Nature*
youtu.be/7ZMdkF-Ytdw