



PROJECT REPORT

INDONESIA 2024 - JAKARTA RESTORING RIVERS AND HELPING COMMUNITIES





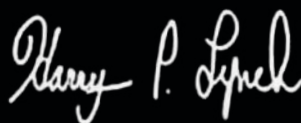
THANK YOU FOR YOUR SUPPORT

Dear friend,

Thanks to your support of the Indonesia 2024 - Jakarta Restoring Rivers and Helping Communities project, a total of 19,459 trees were planted to restore 161 acres of urban forest in West Java, Indonesia.

Planting trees in urban areas that have been degraded or dominated by the built environment helps to assure the re-establishment of healthy forests in the places we live, work, and play. Through reforestation, our urban canopies are restored, ecosystems are made whole, and our communities can thrive! None of this would be possible without you. On behalf of everyone at One Tree Planted, *thank you!*

What follows is a report outlining the project you supported in West Java, Indonesia. I hope you enjoy reading about the incredible impacts you have supported.

A handwritten signature in black ink that reads "Harry P. Lynch".

PRESIDENT & CEO
ONE TREE PLANTED



OVERVIEW

This project planted more than 19,000 trees in and around Bekasi and Karawang in West Java, on the outskirts of the megacity Jakarta. This region is home to millions of people and a variety of industries, as well as subsistence farming. In consultation with the local landowners, many of whom are farmers, our partner planted a variety of in-demand species, from large shade trees to fruit-bearing trees, to ensure that near term benefits are delivered for animals and people alike.

 **TREES PLANTED**
19,459

 **TREE SPECIES PLANTED**
9

 **PEOPLE IMPACTED**
51,000+

 **ACRES PLANTED**
161

 **PEOPLE EDUCATED**
204

 **UNDER-RESOURCED NEIGHBORHOODS SUPPORTED**
3

 **VOLUNTEERS INVOLVED**
105

 **TREE PLANTING EVENTS**
1

 **JOBS**
126 SUPPORTED
111 CREATED





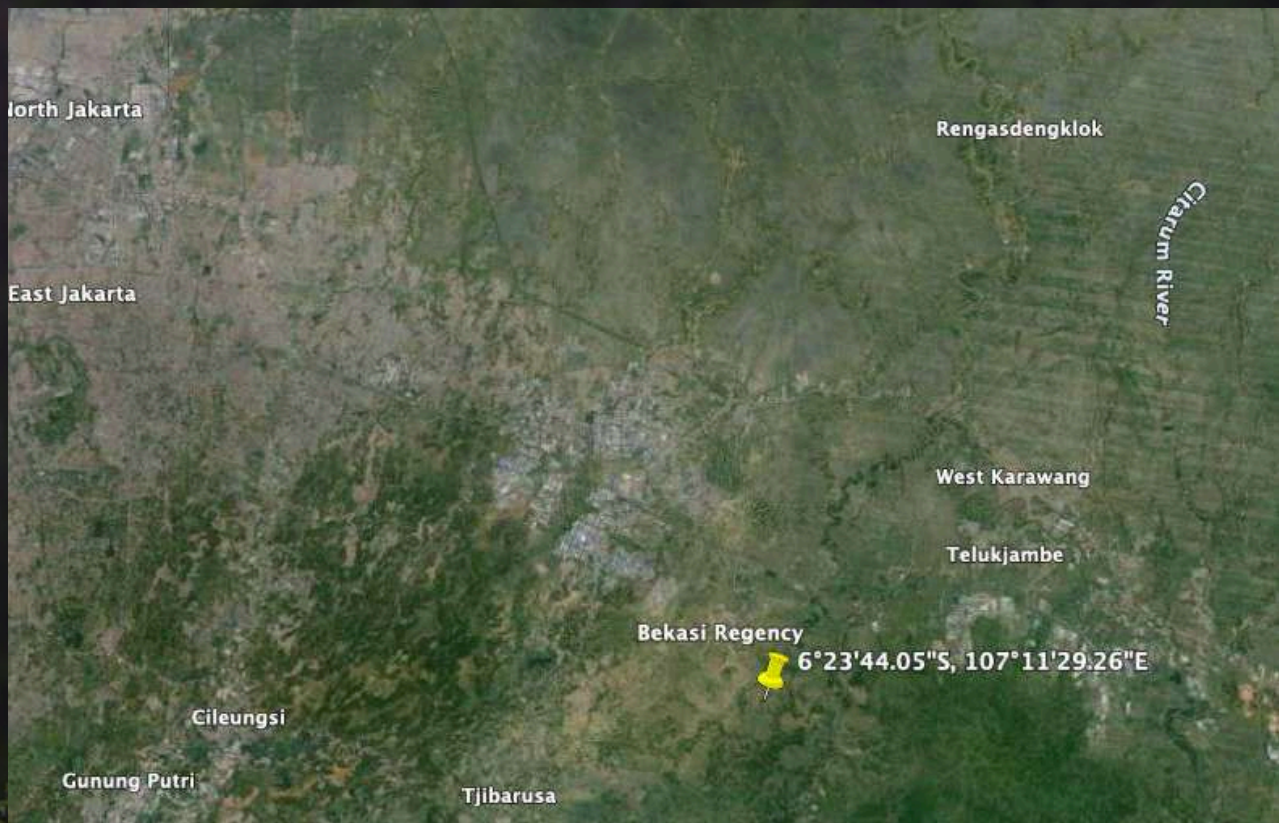
In delivering this project, we have learned that no matter how small the action we take, it has significant impacts not only for the environment but also for the local communities. We've witnessed firsthand how even a single tree planted can provide numerous benefits, from improving air quality and mitigating climate change to providing livelihood opportunities and enhancing community well-being.

- Trees4Trees



YOUR IMPACT ON THE MAP

This project planted trees in and around Bekasi and Karawang, two cities in West Java on the edge of the Jakarta metropolis. Situated between mountains to the south and the Java Sea to the north, these cities lie in broad coastal plains with fertile soil. Unfortunately, due to industrial activity, fossil fuel-burning transportation, and massive wildfires, these areas are significantly burdened with polluted air, water, and soil.



TREE SPECIES PLANTED

Species diversity is key to the establishment of a healthy, resilient urban forest. This principle is enforced by many urban forestry professionals utilizing the 10-20-30 rule, which suggests that an urban forest should consist of no more than 10% of any one species, 20% of any particular genus, or 30% of any single family. This helps to reduce the likelihood that prevalent diseases/pests that are keen on particular tree species will decimate large portions of the urban forest.

For the Indonesia 2024 - Jakarta Restoring Rivers and Helping Communities project, our planting partner installed the following tree species:

- *Gmelina arborea* - white teak
- *Anthocephalus cadamba* - kadamb
- *Paraserienthes falcataria* - albizia
- *Samanea saman* - rain tree
- *Swietenia macrophylla* - mahogany
- *Durio zibertinus* - durian
- *Artocarpus heterophyllus* - jackfruit
- *Parkia speciosa* - stinky bean
- *Pometia pinnata* - Fijian longan

The tree species of this project were all selected in consultation with landowners to maximize benefit to the local communities – and to help ensure long-term survival of the trees. Although not all of these species are native, all of them have become naturalized and are well-suited to the Javanese climate. Moreover, many of the species have been selected for their use in agroforestry, such as by providing shade for understory plantings – and also for their production of fruit.



KEY PERFORMANCE INDICATORS

AND CO-BENEFIT MONITORING

WHAT IS I-TREE?



i-Tree®

i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that quantifies the long-term environmental benefits of your trees in terms of carbon sequestered, storm-water captured, and air pollutants removed using data about tree species, location and environmental conditions.

Ecosystem benefits estimated using i-Tree can help you communicate the impact of your project! These estimates are generated based on locally-derived reporting data at a 40-year project lifespan and 20% mortality to answer the question "What are the benefits of these trees 40 years from now, estimating 20% of the trees might fail to establish?"

ECOSYSTEM BENEFITS FOR YOUR PROJECT:



19,459
URBAN TREES
PLANTED



5,528,380
CO2 SEQUESTERED
(LBS)



416,977
STORM WATER
CAPTURED
(GAL)



51,000+

PEOPLE IMPACTED

The completion of this project in West Java, Indonesia, will have lasting impacts on over 51,000 people. With a focus on developing a more equitable urban tree resource, this project will provide long-term social, environmental, and economic benefits in underserved communities that have identified their need for trees.

The following pages outline the key Project Impacts that will benefit the community as the trees you planted grow!



WATER RESOURCE PROTECTION

Trees act like giant umbrellas. As rain falls, they intercept stormwater, some of which is caught by leaves, where it evaporates, and some of which reaches the ground at a slower rate — and infiltrates the soil rather than reaching impervious surfaces. This allows time for the tree, its roots, and the soil to filter out pollutants such as gas & oil, heavy metals, pesticides, and other chemicals before reaching drainage systems. Not only that, but the infiltration of water into the soil recharges groundwater stores.

Our partner planted many of the trees for this project along the banks and in areas surrounding the Citarum River, West Java. Known as one of the world's most polluted rivers, the Citarum is also West Java's longest. With nearly 9 million people living in close proximity to it, the Citarum River is plagued by high levels of bacteria and industrial pollutants, such as lead, aluminum, and iron.

By planting trees along the river, this project helps mitigate some of the causes of pollutants by slowing erosion and filtering industrial and agricultural runoff before reaching the waterway.



AIR POLLUTION REDUCTION

Urban canopies are the key to cleaner air in cities, where atmospheric pollution is highest. They serve as a living air filter, capable of 1) pulling harmful chemicals from the atmosphere through small holes in their leaves called stomata, and 2) catching particulate matter that would otherwise float in the air. More heavily forested communities in urban environments exhibit lower rates of asthma, fewer emissions resulting from a decreased need for air conditioning, and reduced rates of air pollutant-related deaths, annually.

Our partner planted this project's trees in cities in West Java, which borders Jakarta, one of the world's largest cities and also one of the world's most polluted. Transportation and industry account for the significant majority of the city's air pollution, and the government has recently acknowledged that air pollution has caused a deterioration in public health.



DOCUMENTING YOUR IMPACT

To monitor our Urban Forestry projects, we rely on partner reporting and GPS verified photos, site visits, and more. Below is a selection of key images from the project you supported:



[TESTIMONIAL VIDEO FROM THE PARTNER](#)



U.N. SUSTAINABLE DEVELOPMENT GOALS

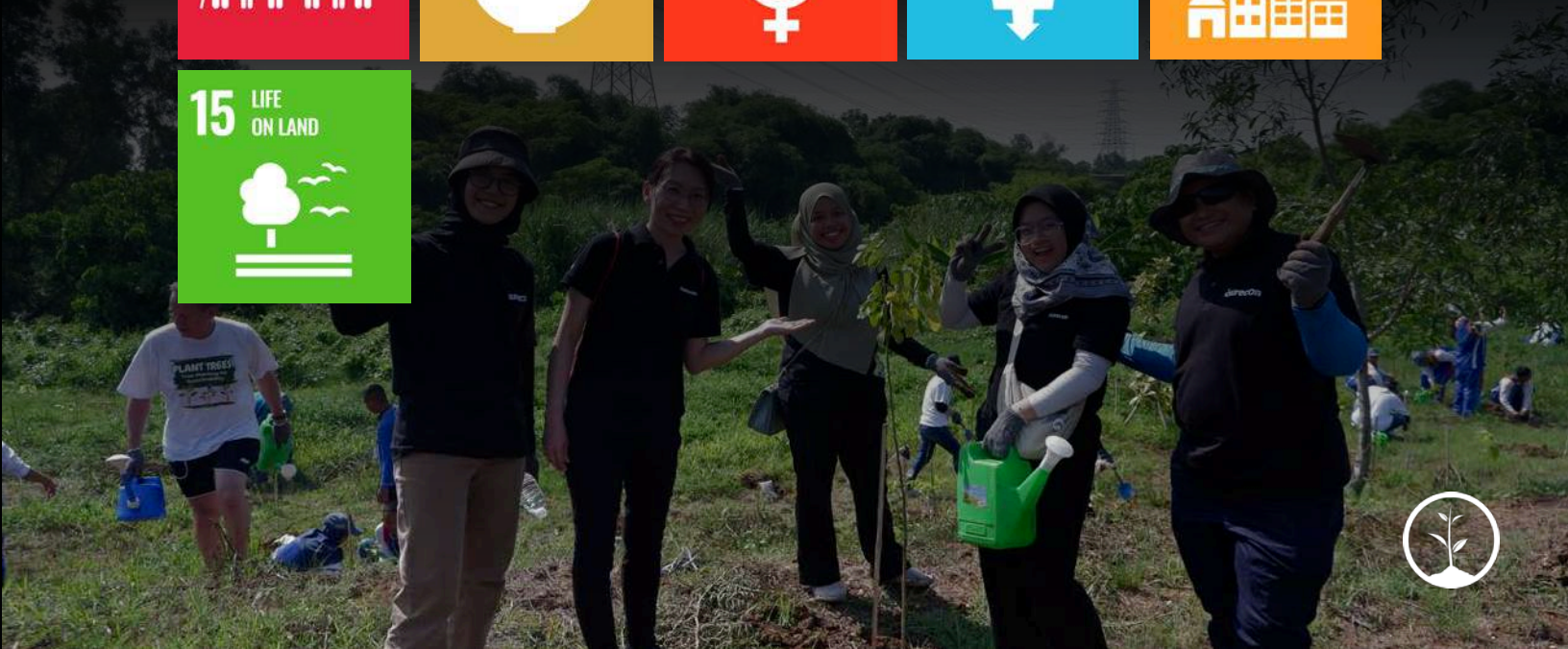
WHAT ARE SDGs?


Sustainable development urges us to seek out solutions that not only boost the economic outcomes of developing nations, but also work to limit (or eliminate) our impact on the planet. Trees are one such solution.

The 17 Sustainable Development Goals (SDGs) established by the United Nations serve as a keys to unlocking a healthier, more sustainable global future. SDGs are an urgent call to action and partnership, worldwide. These goals represent critical benchmarks to addressing poverty, inequity, climate change, and the establishment of peace and justice.

From creating jobs and reducing social inequities, to cleaning our water resources and absorbing carbon, planting trees in urban environments can help address many of the Sustainable Development Goals.

YOUR PROJECT CONTRIBUTED TO THE FOLLOWING SUSTAINABLE DEVELOPMENT GOALS:





“Trees play an incredibly important role not only in our ecosystems, but have a large impact on the communities around them. This project not only helps mitigate pollution in the river but also creates and supports hundreds of jobs for local residents. We are excited to witness the lasting positive effects this initiative will bring, thanks to the support from Microsoft.”



Caitlin Griffin

**Director of Fundraising
One Tree Planted**