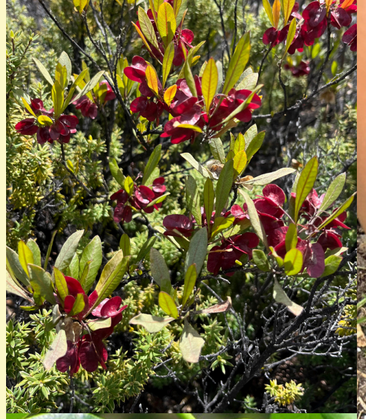
KAULUNANI
urban & community
FORESTRY
PROGRAM.

Shade Trees for Schools Virtual Info Session

June 18, 2025



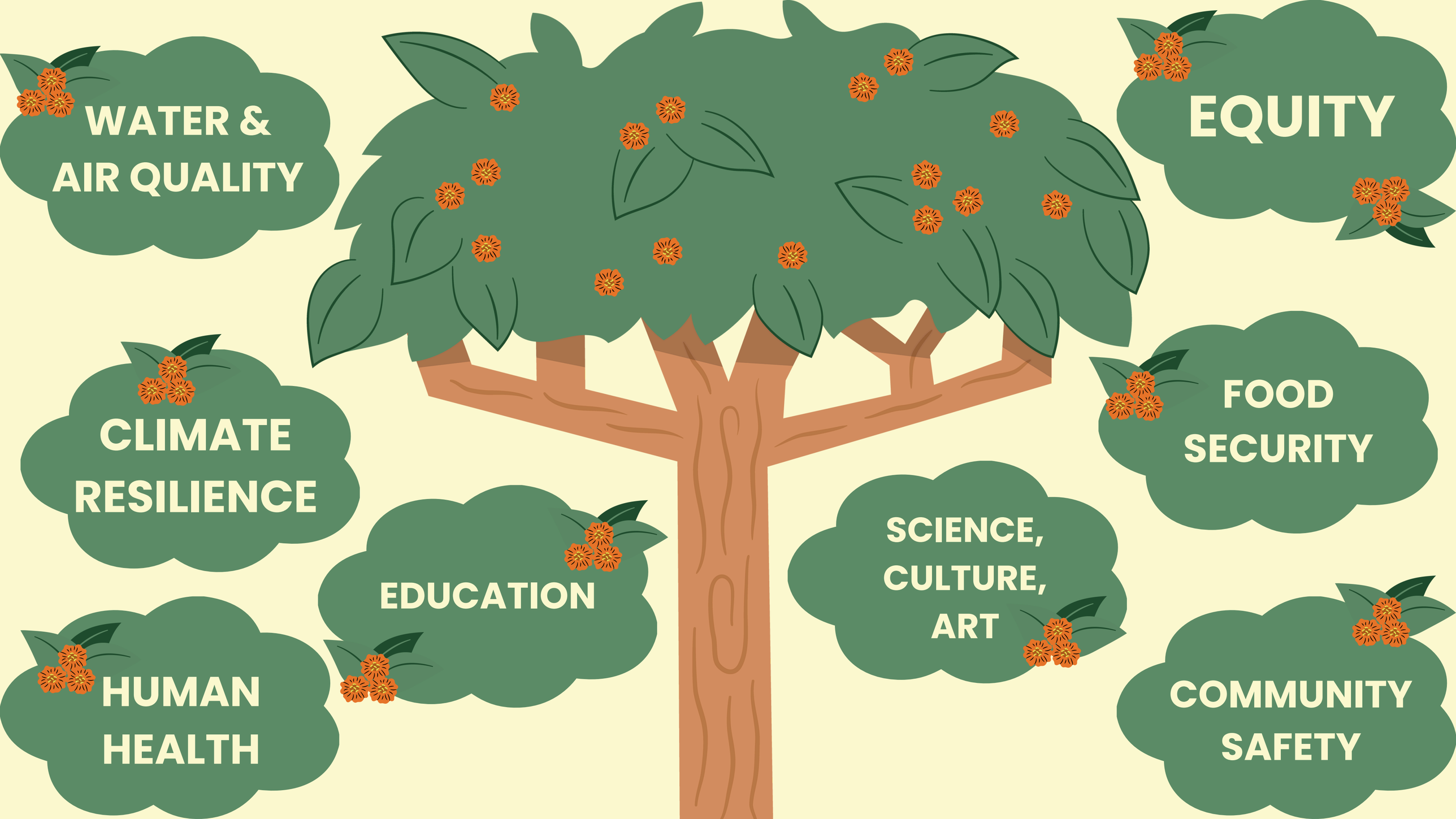
RYAN ICHIMURA DOE Facilities Maintenance Administrator
ANGELA LIU-KELLY DOE Arborist
ILANA NIMZ Tree Solutions Hawai'i Arborist
HEATHER MCMILLEN DLNR Urban Forester
MALIA STAAB Kaulunani Campus Forester

SHADE TREES FOR SCHOOLS PROJECT

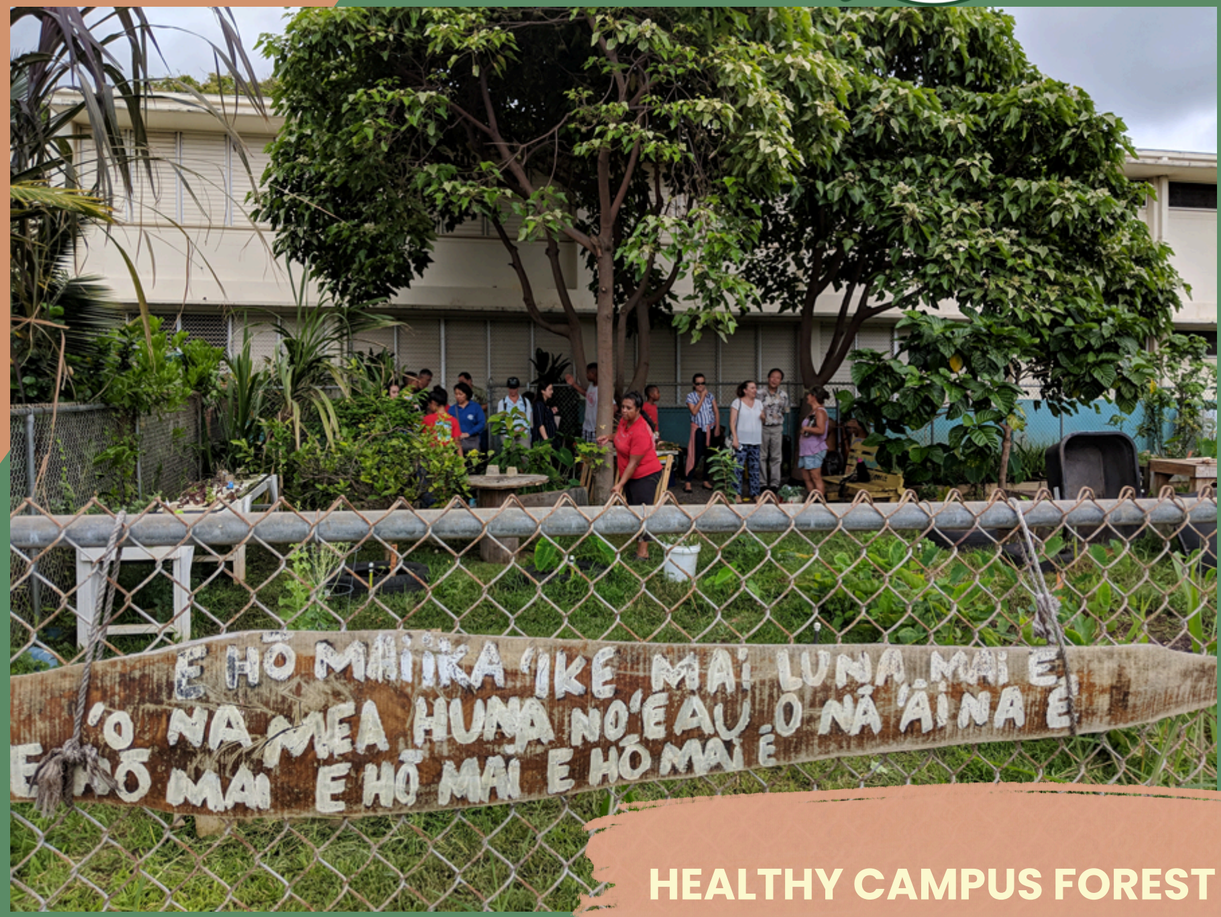
OUR VISION

OUR VISION IS TO EXPAND TREE CANOPY ON PUBLIC SCHOOL GROUNDS TO REDUCE HEAT AND CREATE OUTDOOR SPACES THAT IMPROVE OPPORTUNITIES FOR STUDENTS' WELL-BEING, LEARNING, AND PLAY, WHILE STRENGTHENING COMMUNITIES' ECOLOGICAL HEALTH AND RESILIENCE.

THIS PROJECT WILL SUPPORT HAWAIʻI TITLE I DOE SCHOOLS, ACROSS THE ISLANDS, IN ENHANCING CAMPUS CANOPY COVER, AND ACT AS A MODEL FOR GREENING OUR SCHOOLYARDS STATEWIDE.


WATER &
AIR QUALITY
EQUITY
CLIMATE
RESILIENCE
FOOD
SECURITY
EDUCATION
SCIENCE,
CULTURE,
ART
HUMAN
HEALTH
COMMUNITY
SAFETY

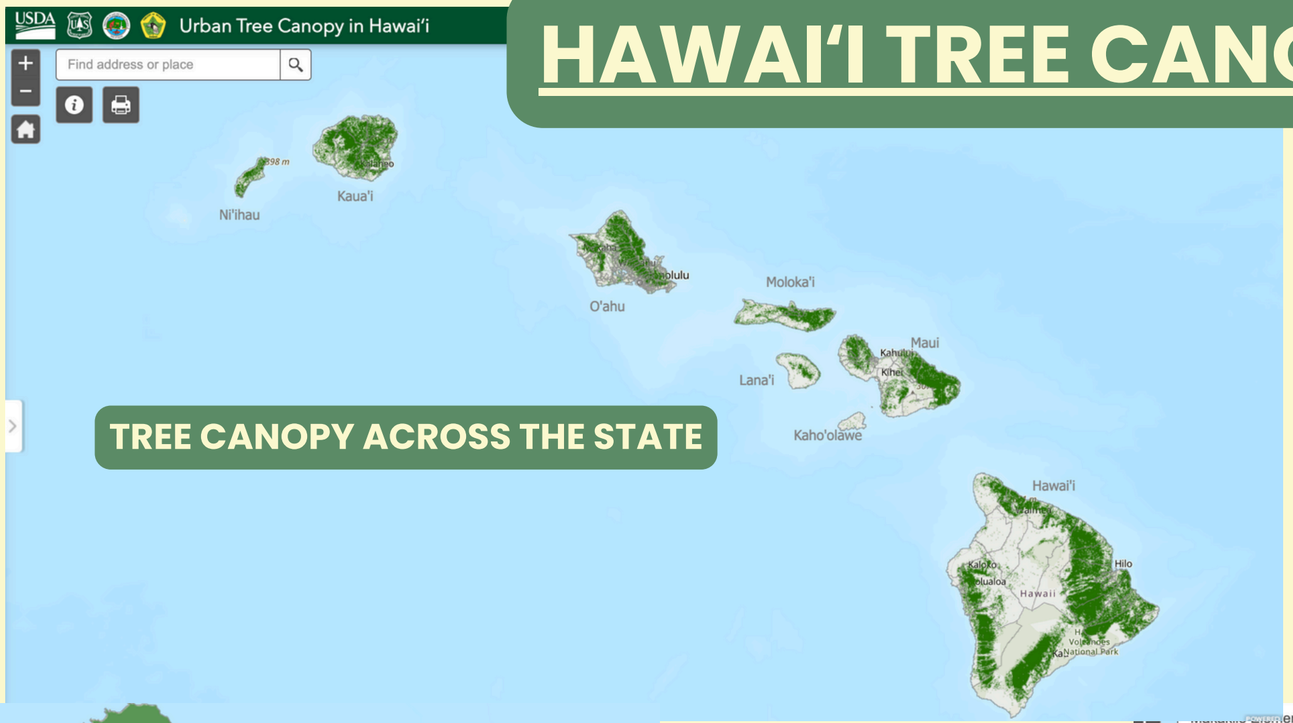
CAMPUS WITH LOW CANOPY COVER



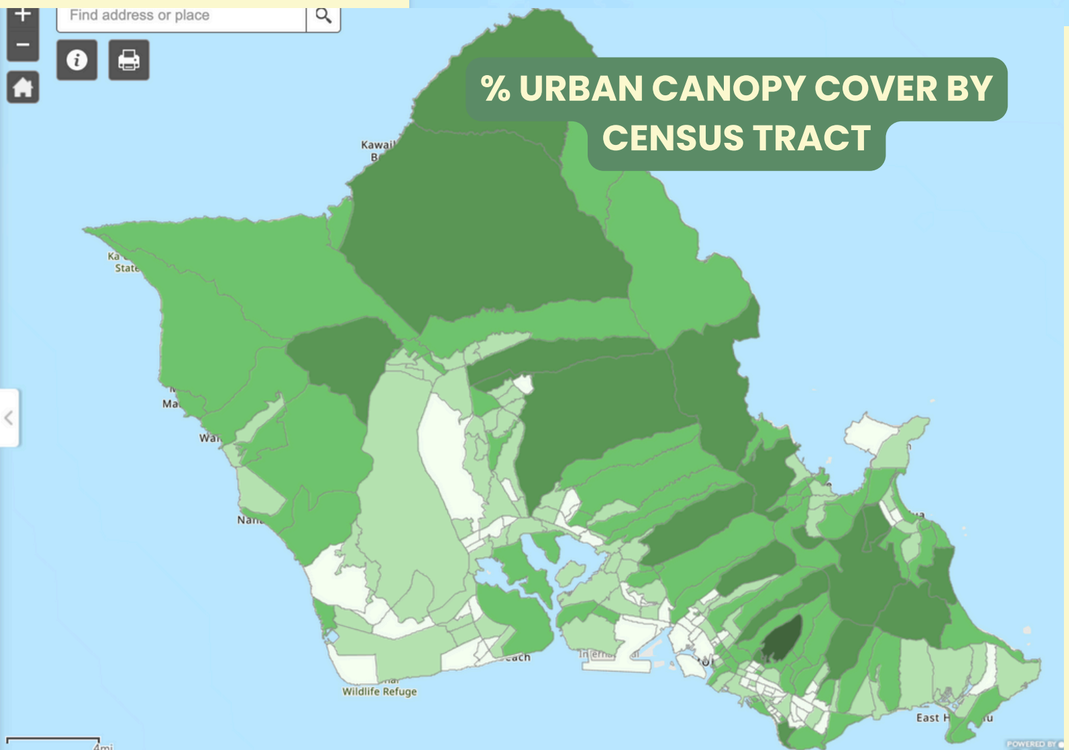
HEALTHY CAMPUS FOREST

STUDENTS - ESPECIALLY THOSE AT TITLE I SCHOOLS - DO NOT HAVE ACCESS TO THE HEALTH, WELL-BEING, AND ENVIRONMENTAL BENEFITS OF TREE CANOPY AT SCHOOL.

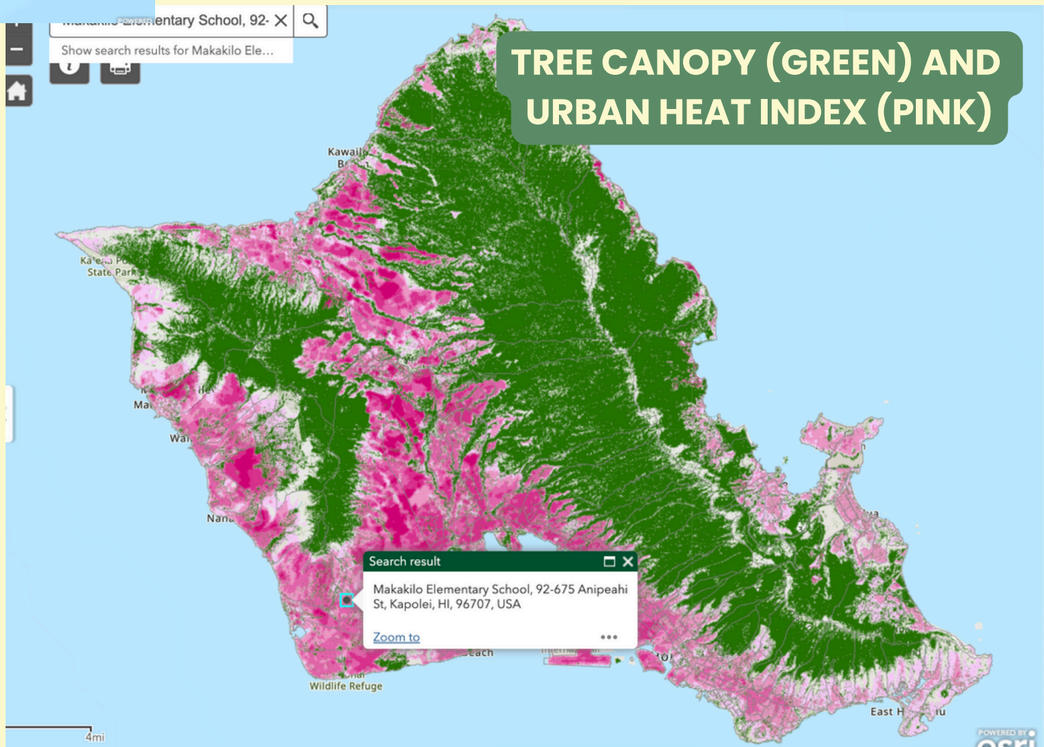
HAWAI'I TREE CANOPY VIEWER



TREE CANOPY ACROSS THE STATE



% URBAN CANOPY COVER BY CENSUS TRACT



TREE CANOPY (GREEN) AND URBAN HEAT INDEX (PINK)

SHADE TREES FOR SCHOOLS

USFS Funds

CAMPUS FORESTER

CAMPUS TRANSFORMATIONS

PURCHASING AND PLANTING
HAZARD/INVASIVE REMOVAL
MAINTENANCE
EDUCATION
LONG-TERM SUPPORT

SHADE TREES FOR SCHOOLS PROJECT
- TREE TEAM & ROLES -

RYAN ICHIMURA
DOE Facilities Maintenance Adminstrator
- Planning and Approvals

YOUR CAMPUS TEAM
Principal & Administrators, Facilities staff, Teachers & Students
- Campus Tree Care Plan

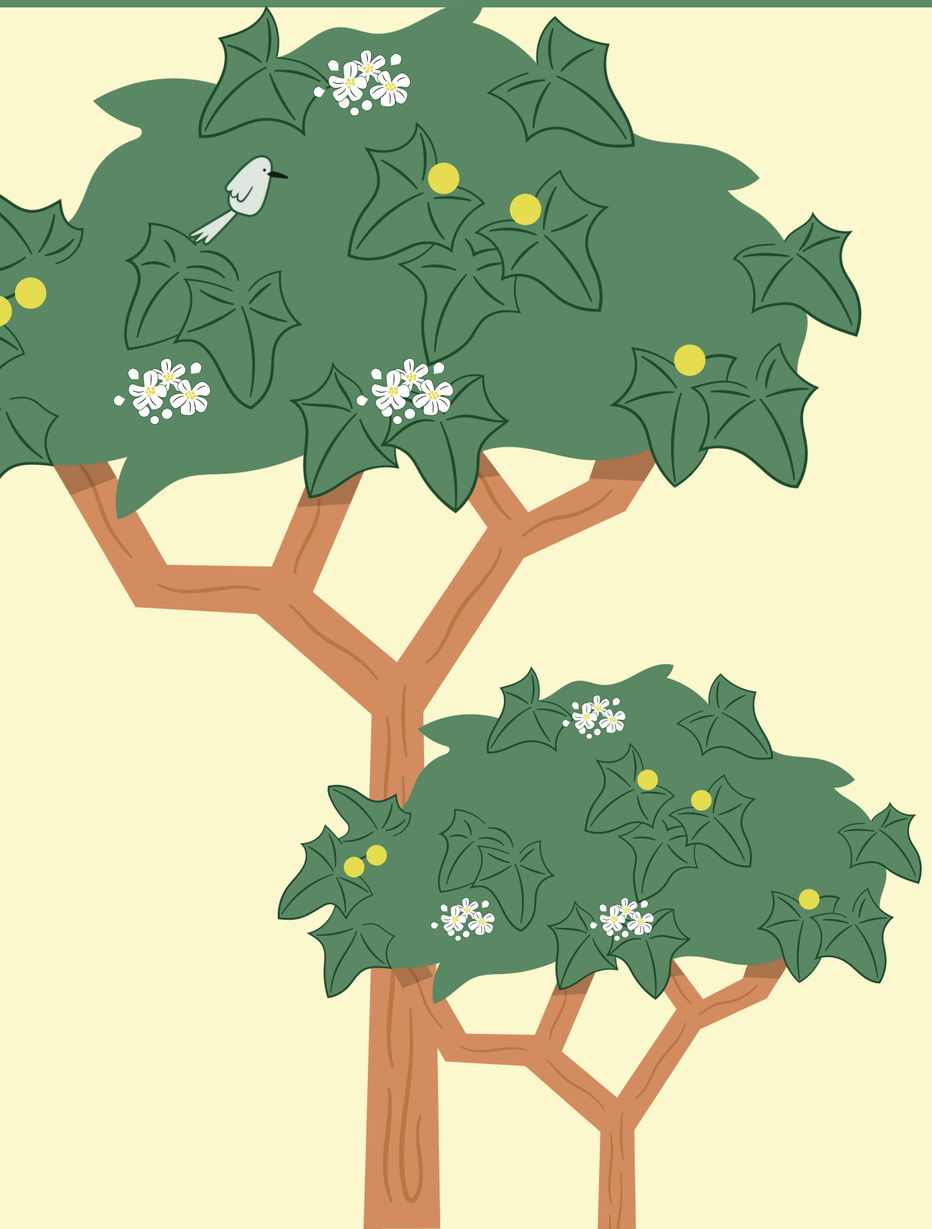
HEATHER MCMILLEN
DLNR Urban Forester
- Supervision, Planning and Reporting

ANGELA LIU-KELLY
DOE Arborist
- Planning and Approvals

MALIA STAAB
Kaulunani Campus Forester
- Campus Tree Education, Data tracking

ILANA NIMZ
Consulting Arborist for DOE
- Planning and Arbor Work Oversight

PROJECT TIMELINE



CAS NOMINATION DEADLINE
JULY 3RD, 2025

PRINCIPAL APPLICATION DEADLINE
AUGUST, 2025

SCHOOL SELECTION
FALL 2025

CAMPUS WORK BEGINS
2026

CAMPUS SUPPORT UNTIL PROGRAM COMPLETION IN 2028

CONTINUED TREE SUPPORT BY OFO

CAS NOMINATION FORM

Shade Trees for Schools Nomination Form

The Office of Facilities and Operations (OFO) would like to invite you to nominate (up to 2) DOE Title I schools in your Complex Area that would be interested in participating in the United States Forest Service funded Shade Trees for Schools Project, a partnership between the Department of Land and Natural Resources (DLNR) Kaulunani Urban and Community Forestry Program and HI Department of Education. Schools that are nominated should be interested in increasing the tree canopy cover on their grounds, highly motivated and ready to participate in a school-based planning and tree planting project. (More information on this project found in the DOE Nominations Memo)
PLEASE NOTE - ONLY COMPLEX AREA SUPERINTENDENTS MAY NOMINATE SCHOOLS.

Your Name

Short answer text

Select Your Complex Area

Dropdown

School #1 Nomination

Short answer text

School #1 Contact (Principal) Name

Short answer text

School #1 Contact Email

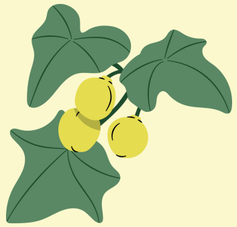
Short answer text

School # 1 Contact Phone #

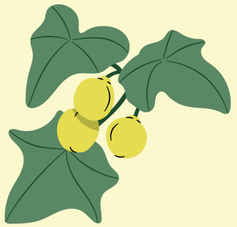
Short answer text

Reason for Nomination

Long answer text



DOE SCHOOL LIST



This data was collated based off the 2024-2025 DOE Title I School List, using the Urban Tree Canopy Viewer in Hawai'i Arc GIS Tool, a 2022 collaboration between USDA Forest Service and Kaulunani Urban and Community Forestry Program.

More info on this project found in the DOE Nominations memo

School Nomination Form linked here

** The Tree Canopy Viewer is a tool utilized to show a generalized snapshot in time. While the term "urban" is used repeatedly in this document, we understand not all schools are in urban areas. This tool utilized land use terminology in its data representation.*
While this data can help inform some of your decision making for schools in need of enhanced canopy, please utilize your place-specific knowledge of campus need and interest in your final decision making.

Feel free to sort the document based on district area, Urban Canopy Cover or Urban Heat Index.

There is a second tab at the bottom of this page with the same school info but no definitions for easier viewing and sorting.

Definitions:

The Urban Canopy Cover percentage displays canopy cover using census tract boundaries*.

* Urban Canopy Cover categorizes data by census tract, while it is useful for applying general statistics to areas across the state, it is not specified by school campus area. Just because a school is in a census tract with higher % urban canopy cover, does not mean the school itself has similarly high canopy cover.

The Urban Heat Index (UHI) demonstrates the heat severity in urban areas* statewide measured o
1 - (Mild); 2 - (Mild - Moderate); 3 - (Moderate); 4 - (Moderate - Severe); 5 - (Severe); 0 - (N/A)

**The UHI uses land cover layers to define "urban" areas. Parts of islands not defined as "urban" do hence the number 0 for "not available", though they surely still experience urban heat.*

*This tab has been filtered to show high priority schools with UHI from Moderate to Severe (3-5). S as we do not have adequate data to exclude them. A list of all Title I Schools and their associated U bottom of this page.

School	District	Island	Urban Canopy Cover (%)	Urban Heat Index (UHI)
Kūlanihāko'i High	Baldwin-Kekaulikea-Kūlanihāko'i-Maui	Maui	1-8	0
Makakilo Elem	Campbell-Kapolei	O'ahu	1-8	3
Farrington High	Farrington-Kaiser-Kalani	O'ahu	1-8	4
Kalākaua Middle	Farrington-Kaiser-Kalani	O'ahu	1-8	3
Kalihi Kai Elem	Farrington-Kaiser-Kalani	O'ahu	1-8	3
Kalihi Waena Elem	Farrington-Kaiser-Kalani	O'ahu	1-8	3
Kapālama Elem	Farrington-Kaiser-Kalani	O'ahu	1-8	3
Pu'uhale Elem	Farrington-Kaiser-Kalani	O'ahu	1-8	4
Lāna'i High & Elem	Hāna-Lāhaināluna-Lāna'i-Moloka'i	Lāna'i	1-8	3
Waimalu Elem	'Aiea-Moanalua-Radford	O'ahu	1-8	3
Lanakila Elem	Kaimukī-McKinley-Roosevelt	O'ahu	1-8	3
Ahrens Elem	Pearl City-Waipahu	O'ahu	1-8	4
Kahului Elem	Baldwin-Kekaulikea-Kūlanihāko'i-Maui	Maui	8-15	0
Lihikai Elem	Baldwin-Kekaulikea-Kūlanihāko'i-Maui	Maui	8-15	0
Maui Waena Int	Baldwin-Kekaulikea-Kūlanihāko'i-Maui	Maui	8-15	0
Wailuku Elem	Baldwin-Kekaulikea-Kūlanihāko'i-Maui	Maui	8-15	3
Barbers Point Elem	Campbell-Kapolei	O'ahu	8-15	3
'Ewa Elem	Campbell-Kapolei	O'ahu	8-15	3
Ka'imiloa Elem	Campbell-Kapolei	O'ahu	8-15	3
Pōhākea Elem	Campbell-Kapolei	O'ahu	8-15	3

TIMELINE & NEXT STEPS

JUNE 18 – WEBINAR

→ CAS nominates up to 2 schools in their complex area
(Use Priority Schools List and CAS Nomination Form)

JULY 3 – CAS NOMINATION DEADLINE

→ Principals of nominated schools apply
(Use Principal Application Form)

EARLY AUGUST, DATE TBD – PRINCIPAL APPLICATION DEADLINE

→ Evaluation team will narrow down priority list based on school need, scale of work and campus commitment. We will strive to have schools in multiple counties across the state represented

→ Arborist team will survey priority schools to understand the scale and cost of work at each school

FALL 2025 – SELECTION OF 6–10 SCHOOLS TO PARTICIPATE IN THIS PROJECT

2026 CAMPUS TREE WORK BEGINS

SCHOOL TREE INVENTORY AND PLANTING LOCATIONS

Legend

KaimiloaES_Map

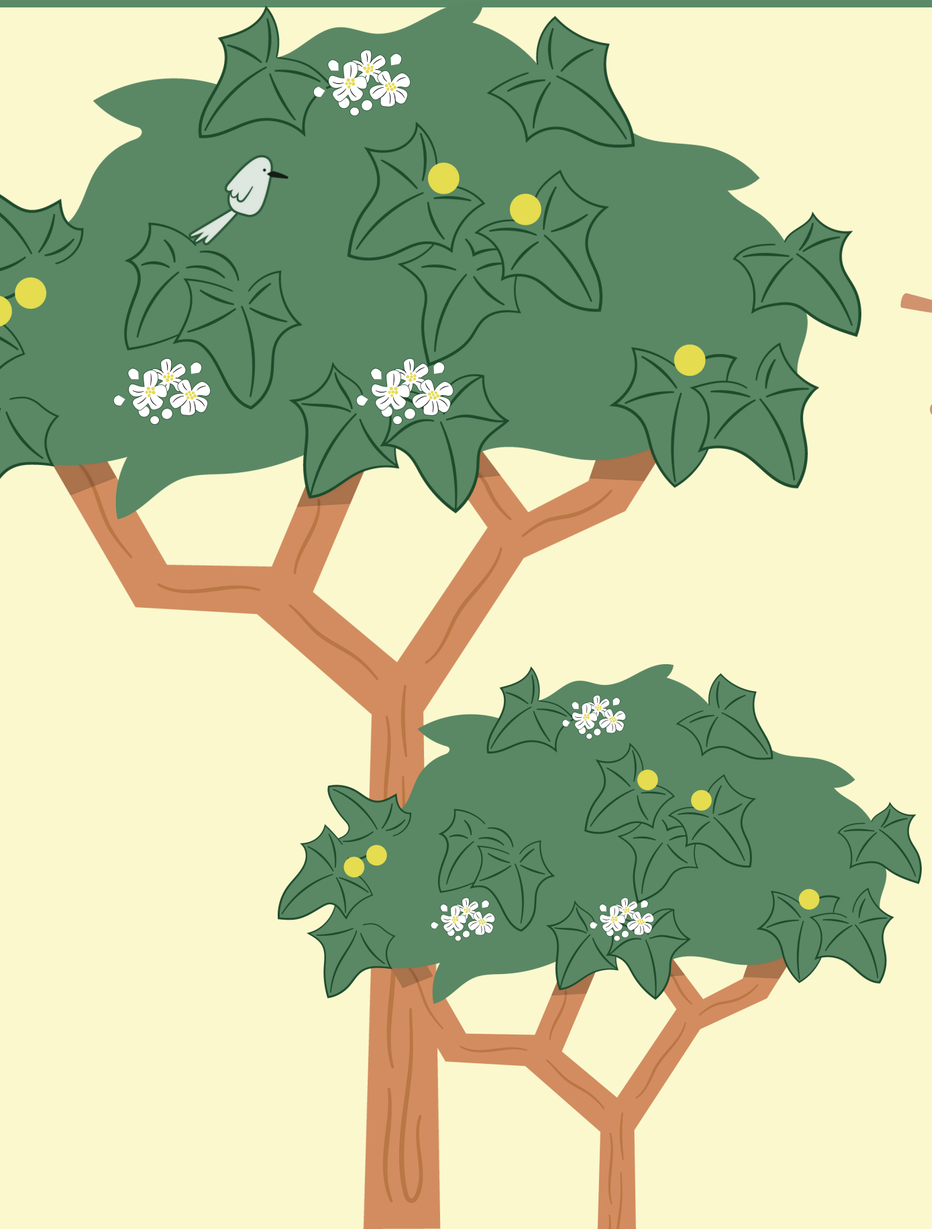
- Planting Location
- Tree/Palm
- Stump

Trust Center · Legal
Contact Esri · Report Abuse

CAMPUS TREE EDUCATION: BUILDING (TREE)LATIONSHIPS

CAMPUS TREE TEAM
LONG TERM TREE CARE PLAN
CLASSROOM ACTIVITIES
PLANTING EVENTS
BUILDING COMMUNITY

PROJECT TIMELINE



CAS NOMINATION DEADLINE
JULY 3RD, 2025

PRINCIPAL APPLICATION DEADLINE
AUGUST, 2025

SCHOOL SELECTION
FALL 2025

CAMPUS WORK BEGINS
2026

CAMPUS SUPPORT UNTIL PROGRAM COMPLETION IN 2028

CONTINUED TREE SUPPORT BY OFO

SHADE TREES FOR SCHOOLS PROJECT

MAHALO!

QUESTIONS? COMMENTS?

CONTACT
(808) 831-6731
711ofo-shade-trees-project@k12.hi.us

ARTWORK BY KELSIE DAYNA