

10th Assembly of Planners Symposium 2025  
“Linking Ecosystem Services to Economic Vitality in Tumon Bay” Plenary

# URBAN FORESTRY IN TUMON

Presented by: Shaylin Salas, DOAG-FSRD Urban & Community Forestry Program Coordinator



GUAM DEPARTMENT OF AGRICULTURE  
**FORESTRY**  
& SOIL RESOURCES DIVISION  
Hålom Tåno' yan Odda' na Guinaha Siha





# **AGENDA**

1. Urban Forestry Strategies
2. Benefits of a Healthy Urban Forest in Tumon
3. Urban Forestry as a Standard BMP
4. The Potential of Urban Forestry



# Urban Forestry Strategies

## Maintain - Engage - Plan - Plant

### Due for Maintenance (Street Median in front of Proa Restau

RECOMMENDATIONS:  
Maintenance on  
Coconut Palms (*Cocos  
nucifera*) following  
“Best Management  
Practices Tree Pruning  
(revised 2008) ANSI  
A300 Part I” Tree,  
Shrub, and other  
Woody Plant  
Management  
~ see Pages 16 & 17

→ Removal of dead,  
dying, or severely  
damaged fronds &  
fruits **ONLY**



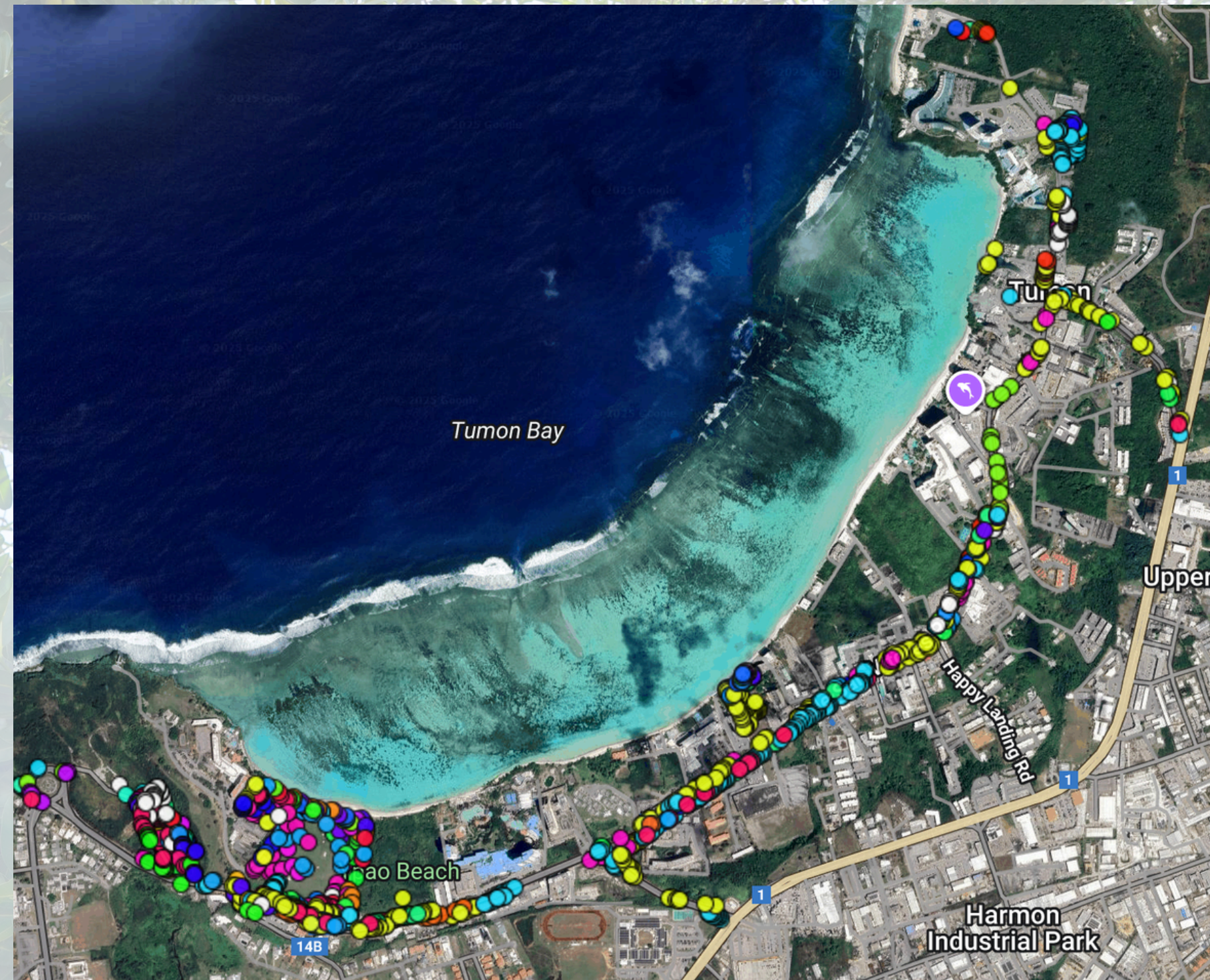
Trees #40-56 (left to r





# Urban Forestry Strategies

## Maintain - Engage - Plan - Plant





# Urban Forestry Strategies

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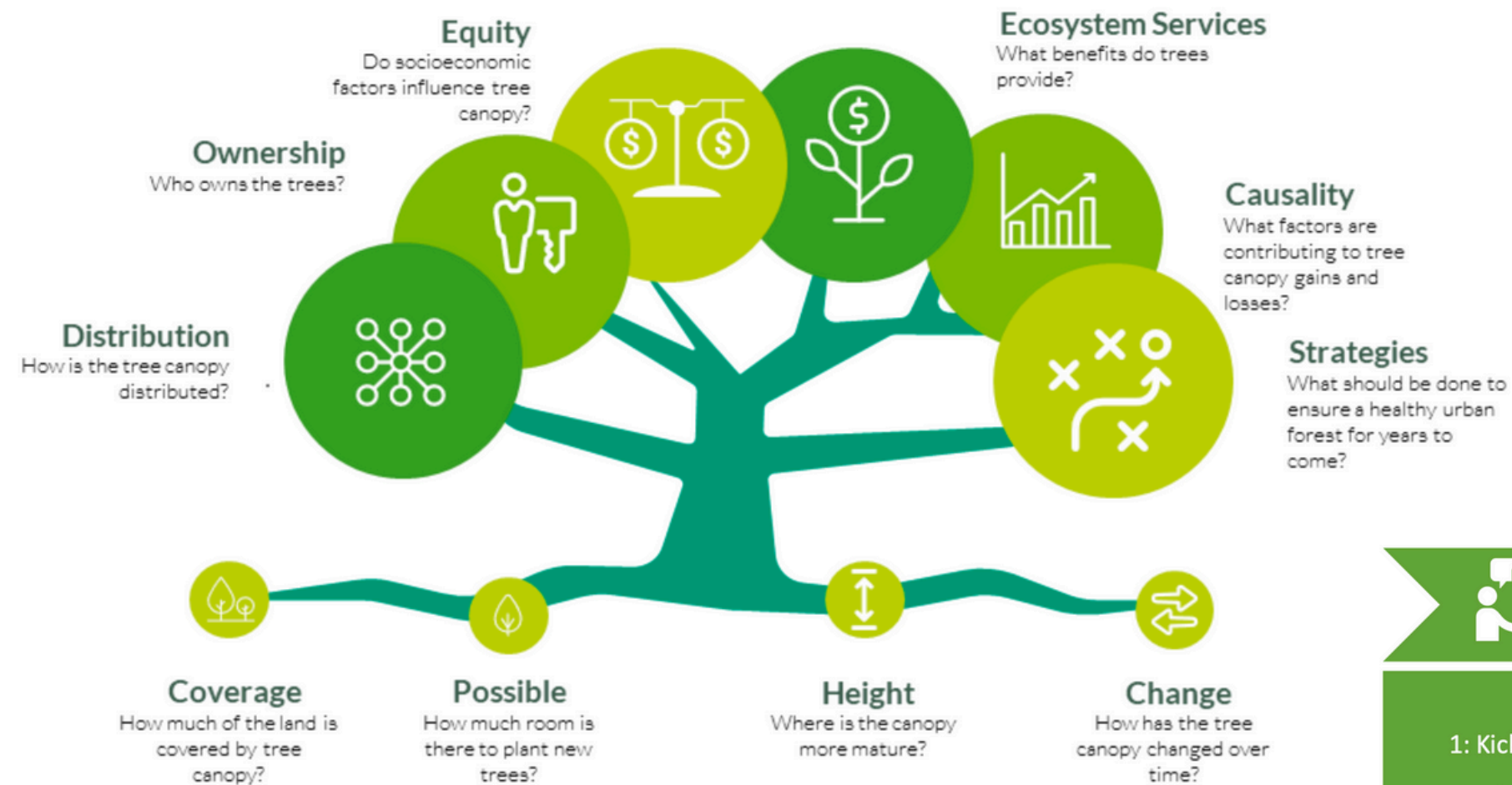


Figure 1. The information this assessment will provide.

## Guam Tree Canopy Assessment

Submitted by:

Spatial Analysis Laboratory

The University of Vermont and State Agricultural College

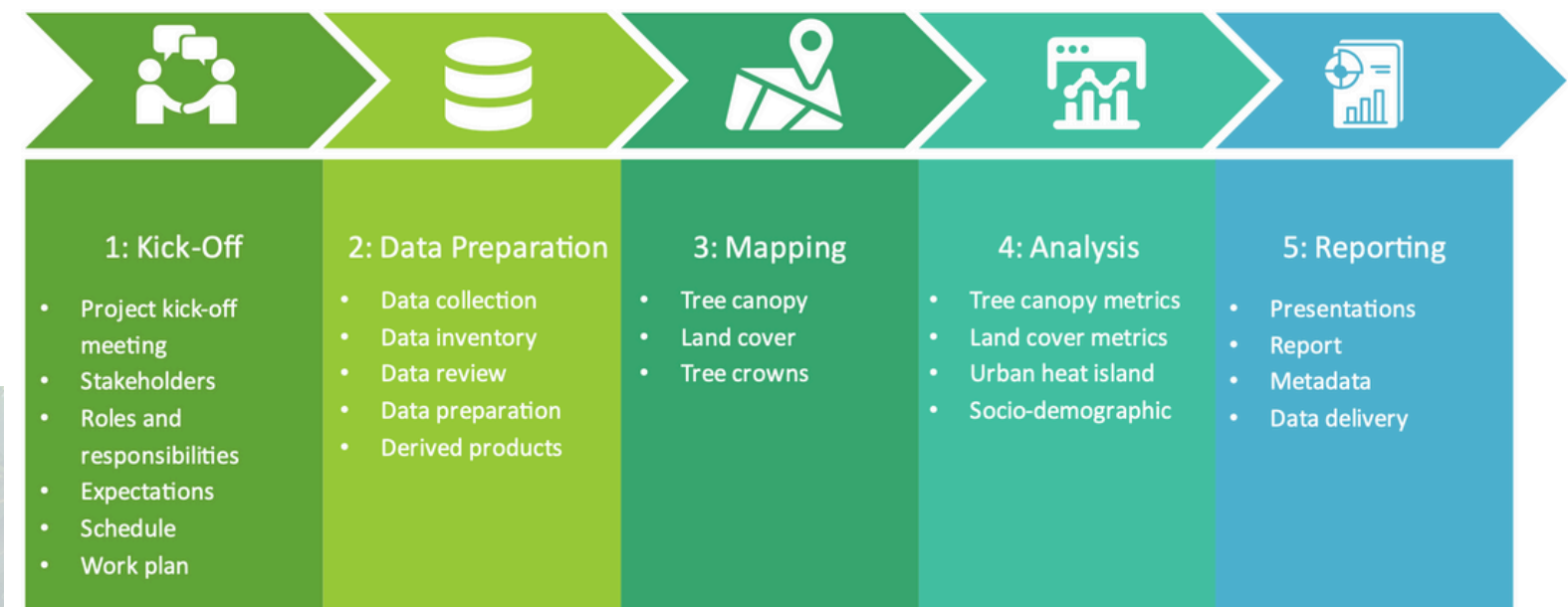


Figure 3. Tree canopy assessment phases.



# Urban Forestry Strategies

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# Benefits of a Healthy Urban Forest in Tumon

## Economic Growth

- Increases property values
- Reduces energy costs
- Boosts local business activity
- Attracts tourists
- Creates recreational opportunities
- Creates jobs

## Watershed & Stormwater Mgmt

- Reduces stormwater runoff
- Supports aquifer recharge
- Filters pollutants
- Prevents soil erosion

## Health & Well Being

- Regulates air temperature
- Reduces noise pollution
- Provides shade
- Removes air pollutants
- Creates gathering spaces

## Cultural & Historical Preservation

- Sustains native plant species
- Creates spaces for cultural education and events
- Preserves historical sites and integrity

## Climate Mitigation & Adaptation

- Provides wind breaks
- Increase coastal protection
- Improves air quality
- Sequesters carbon
- Supports biodiversity/resilience



# Urban Forestry as a Standard BMP

- De Facto or De Jure?





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  - De Facto model exists → Guam Forest Action Plan 2020-2030





# Urban Forestry as a Standard BMP

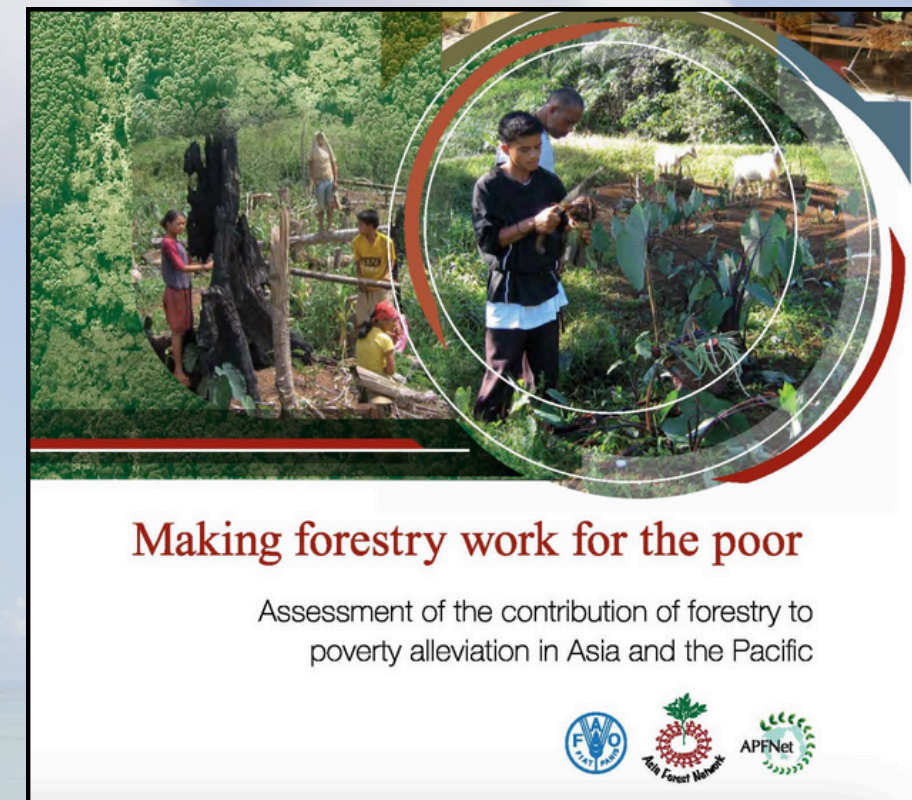
- De Facto or De Jure?
  - De Facto model exists → Guam Forest Action Plan 2020-2030
- Either process will likely require forming a committee of stakeholders who are tasked with identifying the BMPs for
  - Planting site selection
  - Planting method
  - Maintenance requirements
  - Inspection and quality control
  - Harvesting
  - Community engagement
  - Marketing of tree products?





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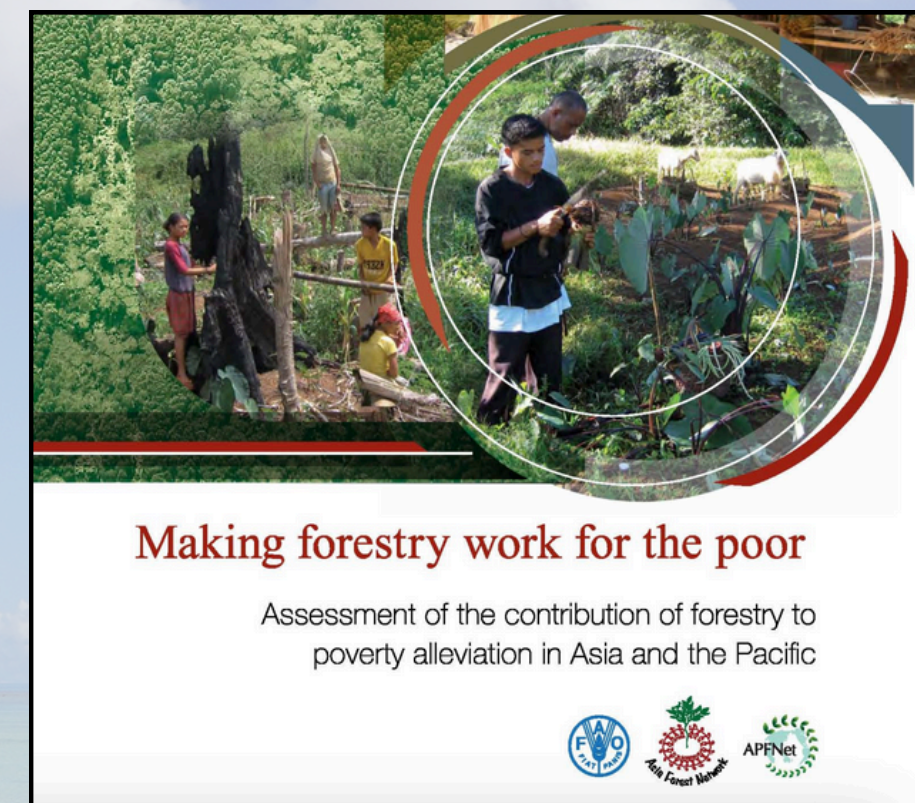
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  - Marketing of tree products?
- BMPs will be subject to review and approval





# The Potential of Urban Forestry











***Bioswale (Stormwater mgmt, Cultural/historical integrity; Climate mitigation)***





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LESSONS & RENTALS

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VIP House

Selfpix Café  
COFFEE, MILK TEA & PINOY

VIP

HOTEL TANO





More trees, shrubs, hedges; Green walls and roofs (*Economic growth, Health & Wellbeing, Climate mitigation*)









Improved maintenance; Invasive species mgmt (*Stormwater mgmt, Cultural/historical preservation*)



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 **Blaze**  
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More green; Forestry Products Market (Economic; Health/Wellbeing; Cultural preservation/education)



# SIYU'OS MA'ÅSE



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