

Metadata Report For:

Location: Ado-Ekiti, Ekiti, Nigeria

Project: BIODIVERSITY CONSERVATION OF KAINJI PARK, Series: NJFU PAPER, Year: 2021

Generated: 10/11/2021



i-Tree Eco v6.0.23

Project created: 10/9/2021

Project file location: C:\Users\MR ADESHINA\Desktop\NJFU PAPER.ieco

Model HAS been run

Project Type: Plot-based

- Project: BIODIVERSITY CONSERVATION OF KAINJI PARK
- Series: NJFU PAPER
- Year: 2021
- 1/24 plots completed
- 15 trees

Project Info:

- Location:
 - Nation: Nigeria
 - State: Ekiti
 - City: Ado-Ekiti
- Leaf on day (day of year, 1 - 365, when frost ends): 0
- Leaf off day (day of year, 1 - 365, when frost begins): 365
- Frost-free days: 365
- Longitude: 5.256958
- Latitude: 7.611296
- Elevation: 457.2 (m)
- Area: 1,520,177.00 hectares
- Population: 430,000
- Study area is treated as Urban: Yes
- Tropical climate equations used: Yes
- Units: Metric

Pollution Details:

- Year: -1

| CO | O3 | NO2 | SO2 | PM2.5 | Location | Station ID | Distance (km) |
|----|----|-----|-----|-------|----------|------------|---------------|
|----|----|-----|-----|-------|----------|------------|---------------|

Weather Station Details:

- Year: 2018
- USAF: 651010
- WBAN: 99999
- Name: ILORIN
- Data source: NCDC

* see avoided runoff report for annual precipitation total used for analysis

Benefit Prices:

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- Electricity ₦ (NGN)/kWh: 0.00 (Eco default value: -1.00 for -1)

Models:

- Forecast v6.0.23
- UFORE-D v1.1.0

Processing History:

| Date/Time | File Name | Retrieved |
|------------------------------------|---|-----------|
| Saturday, October 9, 2021 12:52 PM | _089_01_001_00000_NJFU_PAPER.ieco.2021_10_9_46313.zip | Yes |

Report Availability

| |
|--|
| Formatted Reports |
| Written Report |
| Composition and Structure |
| Structure Summary |
| By Species |
| By Stratum and Species |
| Population Summary |
| By Species |
| By Stratum |
| By Stratum per Unit Area |
| Public and Private by Stratum (Unavailable: "Public/private" not checked) |
| Street Trees by Stratum (Unavailable: "Street tree/non-street tree" not checked) |
| Species Distribution |
| By DBH Class (chart) |
| By DBH Class (vertical table) |
| By DBH Class (horizontal table) |
| By DBH Class and Stratum (vertical table) |
| By DBH Class and Stratum (horizontal table) |
| Importance Values |
| By Species |
| Diversity Indices |
| By Stratum |
| Species Range |
| Native Status by Stratum |
| Condition |
| By Species |
| By Stratum and Species |
| Crown Health |
| By Species |
| By Stratum and Species |
| Leaf Area |
| By Stratum |
| By Stratum per Unit Area |
| Leaf Area and Biomass |
| Of Shrubs by Stratum (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Of Trees and Shrubs by Stratum |

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|---|
| Ground Cover Composition (Unavailable: "Ground cover" not checked) |
| By Stratum (Unavailable: "Ground cover" not checked) |
| Land Use Composition |
| By Stratum |
| Relative Performance Index |
| By Species |
| Maintenance (Unavailable: "" not checked) |
| Recommended (Unavailable: "Maintenance recommended" not checked) |
| Recommended by Species (Unavailable: "Maintenance recommended" not checked) |
| Recommended by Species and DBH (Unavailable: "Maintenance recommended" not checked) |
| Task (Unavailable: "Maintenance task" not checked) |
| Task by Species (Unavailable: "Maintenance task" not checked) |
| Task by Species and DBH (Unavailable: "Maintenance task" not checked) |
| Sidewalk Conflicts (Unavailable: "Sidewalk conflict" not checked) |
| Sidewalk Conflicts by Species (Unavailable: "Sidewalk conflict" not checked) |
| Sidewalk Conflicts by Species and DBH (Unavailable: "Sidewalk conflict" not checked) |
| Utility Conflicts (Unavailable: "Utility conflict" not checked) |
| Utility Conflicts by Species (Unavailable: "Utility conflict" not checked) |
| Utility Conflicts by Species and DBH (Unavailable: "Utility conflict" not checked) |
| Other (Unavailable: "Custom Field One name:", "Custom Field Two name:", "Custom Field Three name:" not checked) |
| Field One (Unavailable: "Custom Field One name:" not checked) |
| Field One by Species (Unavailable: "Custom Field One name:" not checked) |
| Field One by Species and DBH (Unavailable: "Custom Field One name:" not checked) |
| Field Two (Unavailable: "Custom Field Two name:" not checked) |
| Field Two by Species (Unavailable: "Custom Field Two name:" not checked) |
| Field Two by Species and DBH (Unavailable: "Custom Field Two name:" not checked) |
| Field Three (Unavailable: "Custom Field Three name:" not checked) |
| Field Three by Species (Unavailable: "Custom Field Three name:" not checked) |
| Field Three by Species and DBH (Unavailable: "Custom Field Three name:" not checked) |
| Benefits and Costs |
| Benefits Summary of Trees |
| By Species |
| By Stratum and Species |
| Carbon Storage of Trees |
| By Species |
| By Stratum |
| By Stratum per Unit Area |
| Annual Carbon Sequestration of Trees |
| By Species |
| By Stratum |
| By Stratum per Unit Area |
| Annual Net Carbon Sequestration of Trees |
| By Species |
| By Stratum |
| By Stratum Per Unit Area |
| Energy Effects (Unavailable: "Energy (building interactions)" not checked) |
| Of Trees (Unavailable: "Energy (building interactions)" not checked) |
| Hydrology Effects of Trees |
| By Species |

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|---|
| By Stratum |
| Oxygen Production of Trees |
| By Stratum |
| By Stratum per Unit Area |
| Pollution Removal by Trees and Shrubs (Unavailable for this project type or location) |
| Monthly Removal (Unavailable for this project type or location) |
| Monthly Removal (chart display) (Unavailable for this project type or location) |
| Pollution Removal by Grass/Herbaceous (Unavailable for this project type or location) |
| Monthly Removal (Unavailable for this project type or location) |
| Monthly Removal (chart display) (Unavailable for this project type or location) |
| VOC Emissions of Trees |
| By Species |
| By Stratum |
| UV Effects of Trees (Unavailable for this project type or location) |
| By Stratum (Unavailable for this project type or location) |
| Avian Habitat Suitability (Unavailable for this project type or location) |
| By Plot (Unavailable for this project type or location) |
| By Stratum (Unavailable for this project type or location) |
| Management Costs |
| By Expenditure |
| Net Annual Benefits |
| Net Annual Benefits for All Trees |
| Foodscape Benefits of Trees |
| By Species |
| Leaf Nutrients of Trees |
| By Species |
| Individual Level Results |
| Composition and Structure |
| Of Plots |
| Of Trees |
| Of Trees By Species |
| Of Trees By Stratum |
| Tree Benefits and Costs |
| Summary |
| Carbon Storage |
| Carbon Sequestration |
| Energy Effects (Unavailable: "Energy (building interactions)" not checked) |
| Energy Avoided Pollutants (Unavailable: "Energy (building interactions)" not checked) |
| Hydrology Effects |
| Pollution Removal |
| Oxygen Production |
| VOC Emissions |
| Miscellaneous |
| Plot Comments |
| Tree Comments |
| Shrub Comments |
| Air Quality Health Impacts and Values (Unavailable for this project type or location) |
| By Trees (Unavailable for this project type or location) |
| By Shrubs (Unavailable for this project type or location) |

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|---|
| By Grass/Herbaceous (Unavailable for this project type or location) |
| Summary (Unavailable for this project type or location) |
| Pest Analysis |
| Susceptibility to Pests |
| By Stratum |
| Primary Pest (Unavailable: "Pests (IPED)" not checked) |
| Impacts by Stratum (Unavailable: "Pests (IPED)" not checked) |
| Impacted Tree Details (Unavailable: "Pests (IPED)" not checked) |
| Signs and Symptoms (Unavailable: "Pests (IPED)" not checked) |
| Totals by Species (Unavailable: "Pests (IPED)" not checked) |
| Summaries by Species (Unavailable: "Pests (IPED)" not checked) |
| Details by Species (Unavailable: "Pests (IPED)" not checked) |
| Totals by Stratum (Unavailable: "Pests (IPED)" not checked) |
| Summaries by Stratum (Unavailable: "Pests (IPED)" not checked) |
| Details by Stratum (Unavailable: "Pests (IPED)" not checked) |
| Impacted Tree Finder (Unavailable: "Pests (IPED)" not checked) |
| Pest Review (Unavailable: "Pests (IPED)" not checked) |
| Of Assessed Trees (Unavailable: "Pests (IPED)" not checked) |
| Charts |
| Pollution and Weather |
| Raw and Source Data |
| Air Pollutant Concentration (Unavailable for this project type or location) |
| Photosynthetically Active Radiation |
| Rain |
| Temperature |
| UV Index (Unavailable for this project type or location) |
| Air Quality Improvement (Unavailable for this project type or location) |
| By Trees (Unavailable for this project type or location) |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| By Grass/Herbaceous (Unavailable for this project type or location) |
| Air Pollutant Flux (Dry Deposition) (Unavailable for this project type or location) |
| Per Unit Tree Cover (Unavailable for this project type or location) |
| Per Unit Shrub Cover (Unavailable for this project type or location) |
| Per Unit Grass/Herbaceous Cover (Unavailable for this project type or location) |
| Transpiration |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Evaporation |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Water Intercepted |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Avoided Runoff |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Potential Evapotranspiration |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |

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|---|
| UV Index Reduction by Trees (Unavailable for this project type or location) |
| Effects in Tree Shade (Unavailable for this project type or location) |
| Effects Overall (Unavailable for this project type or location) |
| Isoprene |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Monoterpene |
| By Trees |
| By Shrubs (Unavailable: "Percent shrub cover", "Shrub details" not checked) |
| Forecast Reports |
| Composition and Structure |
| Population Summary |
| Number of Trees |
| Number of Trees by Stratum |
| Percent Tree Cover |
| Percent Tree Cover by Stratum |
| Tree Cover Area |
| Tree Cover Area by Stratum |
| Average DBH Growth |
| Average DBH Growth by Stratum |
| Yearly DBH Distributions |
| Basal Area |
| Basal Area by Stratum |
| Leaf Area and Biomass |
| Leaf Area |
| Leaf Area by Stratum |
| Leaf Area Index |
| Leaf Area Index by Stratum |
| Leaf Biomass |
| Leaf Biomass by Stratum |
| Leaf Biomass per Unit Area |
| Leaf Biomass by Stratum per Unit Area |
| Tree Biomass |
| Tree Biomass by Stratum |
| Benefits |
| Carbon Storage and Sequestration |
| Carbon Storage |
| Carbon Storage by Stratum |
| Carbon Sequestration |
| Carbon Sequestration by Stratum |
| Pollutant Removal by Trees (Unavailable for this project type or location) |
| Value for All Pollutants (Unavailable for this project type or location) |
| CO (Unavailable for this project type or location) |
| NO2 (Unavailable for this project type or location) |
| O3 (Unavailable for this project type or location) |
| SO2 (Unavailable for this project type or location) |
| PM2.5 (Unavailable for this project type or location) |