

PROGRESS REPORT ON
**MEDICINAL PLANTS
CONSERVATION AREA (MPCA)
SUSUNIA**



Submitted to
Principal Chief Conservator of Forests (PCCF)
Research, Monitoring & Development
Directorate of Forests, Government of West Bengal

Submitted by
Regional Centre, NAEB
Jadavpur University, Kolkata

Progress Report on
Medicinal Plants Conservation Area (MPCA)
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1.1 General information of Susunia MPCA

| | | | |
|-----|-----------------------------|--------------------------|-----------------------------------------|
| 01. | Name of the site | Susunia MPCA | |
| 02. | Legal status | MPCA | |
| 03. | Area | 300 ha | |
| 04. | Division | Bankura (North) Division | |
| 05. | Range | Chhatna Range | |
| 06. | Name of the Beat | Susunia | |
| 07. | Latitude | 23°23'45" | |
| 08. | Longitude | 86°58'59" | |
| 09. | Elevation | 448m (1470ft.) | |
| 10. | Approach information | Name of the place | Distance in km from Susunia MPCA |
| | Approach by road | Bankura town | 26 km |
| | Approach by road | Asansol town | 51 km |
| | Approach by train | Chhatna railway station | 10 km |
| 11. | Nearest Village | Name of the place | Distance in km from Susunia MPCA |
| | Village 1 | Haphania | 1.8 km |
| | Village 2 | Seulibana | 4 km |
| | Village 3 | Bharatpur | 7 km |
| | Village 4 | Susunia | 1.7 km |

Physical description of the site

| | | |
|-----|--------------|---------------------------------------------------------------|
| 01. | Latitude | 23°23'45" |
| 02. | Longitude | 86°58'59" |
| 03. | Altitude | 448m (1470ft.) |
| 04. | Parent range | Chota Nagpur Plateau |
| 05. | Soil types | Laterite with Hard Beds |
| 06. | Climate | Dry and hot summers with moderate monsoons, winters are cool. |

Major components of the forest

| | | |
|-----|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 01. | Forest type | Tropical dry Deciduous |
| 02. | Top storey | Sal, Kendu, Mouha, Kurchi, Asan, Podasi, Jiol, Baichi, Piyal, Velai, Dhaw, Sidha, Raktaraheda, Putula, Ixora, Keydia, etc. |
| 03. | Shrubs/Herbs | Antmora, Bonkapas, Helicteres, Falsa, Hybenthus, Byttneria, Nilkantho, Phyllodium, etc. |
| 04. | Climbers | Kumarika, Anantamool, Lygodium, Latanokanchan, Iswarmool, Raktapita, Kumarlata, Karilata, Dioscoria, etc. |
| 05. | Crown Density | Medium |
| 06. | Presence of leaf litter/fallen trees | Moderate |
| 07. | Wild Life Status in the Area | Bonno Shukor, Bon Beral, Sheal, Badur, Kat Birali, Rat, Shojaru, Beeji, Bon morag, Snakes, Birds, etc. |

1.2 Methodology

An area of 300 hectares is selected and 75 grids of size 200m x 200m are laid down in Susunia MPCA. Random stratified sampling is done in 5 grids for the enumeration of different life forms (trees, shrubs, herbs and climbers). Conventional nested quadrates are laid down. A random sampling with nested quadrate is utilized to study the strata of vegetation. Trees and tree saplings above 5feet in height are classified as trees during the count. The tree and shrub layers are analysed by quadrate method using the sizes 20m×20m and 5m×5m respectively and the herbs were analysed by 1m×1m Quadrate. Basically a nested quadrate is placed having a size of 20m×20m (for trees) within which 5m×5m quadrate is placed for analysing the shrubs within which 1m×1m quadrate is placed for the study of herbaceous plant. Specimens of the different species are collected, tagged and herbarium prepared for identification.

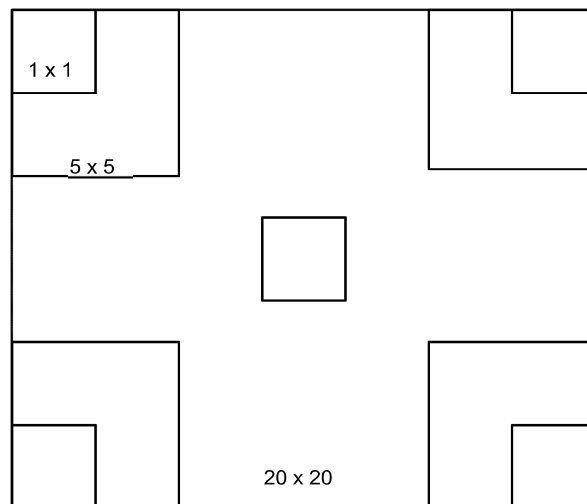
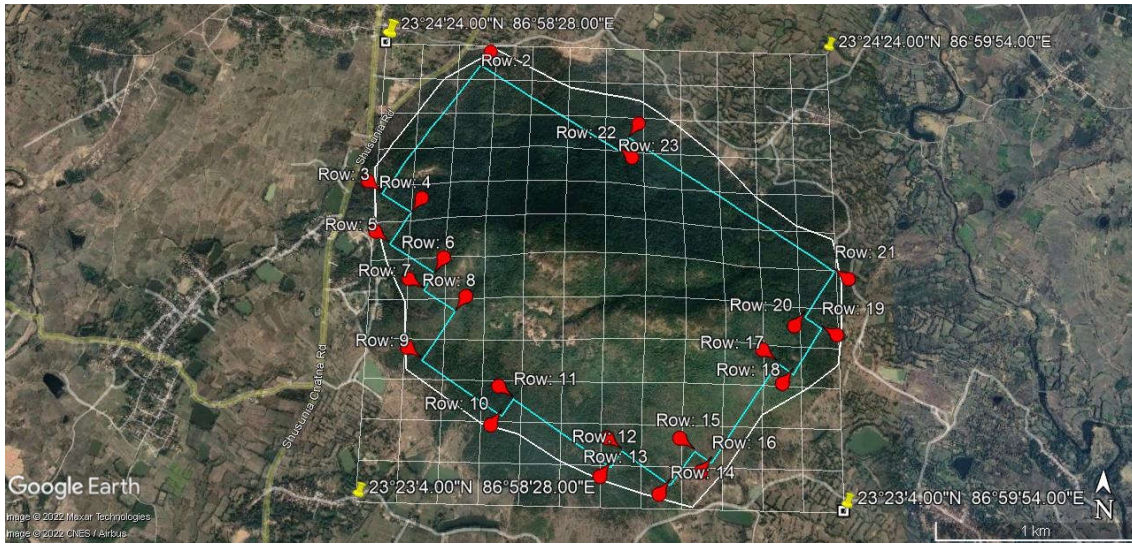


Fig 1: Sampling Design for phytosociological analysis.

GRIDS OF THE AREA (Susunia MPCA)

| | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 4 | 9 | 14 | 19 | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 |
| 3 | 8 | 13 | 18 | 23 | 28 | 33 | 38 | 43 | 48 | 53 | 58 | 63 | 68 | 73 |
| 2 | 7 | 12 | 17 | 22 | 27 | 32 | 37 | 42 | 47 | 52 | 57 | 62 | 67 | 72 |
| 1 | 6 | 11 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |

1.3 Demarcation of Susunia MPCA and Grids



Map: Boundary demarcation and projected grids of Susunia MPCA



Map: Sample plots inside the selected grids

1.4 Geocoordinates of major sample plots in Susunia MPCA

| Sl. No. | Grid No. | Sample Plot No. | Latitude | Longitude |
|---------|----------|-----------------|---------------|---------------|
| 1. | 1 | 1A | 23°23'47.449" | 86°59'37.657" |
| 2. | | 1B | 23°23'47.071" | 86°59'40.348" |
| 3. | | 1C | 23°23'46.305" | 86°59'40.799" |
| 4. | | 1D | 23°23'44.971" | 86°59'39.665" |
| 5. | | 1E | 23°23'45.636" | 86°59'38.353" |
| 6. | 2 | 2A | 23°23'43.305" | 86°58'37.819" |
| 7. | | 2B | 23°23'43.937" | 86°58'39.376" |
| 8. | | 2C | 23°23'44.038" | 86°58'40.489" |
| 9. | | 2D | 23°23'43.609" | 86°58'41.940" |
| 10. | | 2E | 23°23'44.605" | 86°58'42.513" |
| 11. | 3 | 3A | 23°24'08.562" | 86°59'01.839" |
| 12. | | 3B | 23°24'07.339" | 86°59'01.380" |
| 13. | | 3C | 23°24'07.025" | 86°58'59.338" |
| 14. | | 3D | 23°24'05.539" | 86°59'00.089" |
| 15. | | 3E | 23°24'06.683" | 86°59'00.558" |
| 16. | 4 | 4A | 23°23'39.862" | 86°59'34.074" |
| 17. | | 4B | 23°23'38.536" | 86°59'32.499" |
| 18. | | 4C | 23°23'38.380" | 86°59'31.595" |
| 19. | | 4D | 23°23'38.075" | 86°59'29.377" |
| 20. | | 4E | 23°23'38.569" | 86°59'26.917" |
| 21. | 5 | 5A | 23°23'42.371" | 86°59'15.704" |
| 22. | | 5B | 23°23'42.952" | 86°59'14.460" |
| 23. | | 5C | 23°23'43.213" | 86°59'11.580" |
| 24. | | 5D | 23°23'43.542" | 86°59'09.972" |
| 25. | | 5E | 23°23'43.981" | 86°59'08.264" |

1.5 Plant list of Susunia MPCA

A. Trees

| Sl.no | Plant scientific name | Common name/Local Name/ Vernacular name | Family |
|-------|--------------------------------------------------------|--------------------------------------------|------------------|
| 1. | <i>Shorea robusta</i> | Sal | Dipterocarpaceae |
| 2. | <i>Aegle marmelos</i> | Bel | Rutaceae |
| 3. | <i>Buchanania cochinchinensis</i> | Piyal | Anacardiaceae |
| 4. | <i>Madhuca longifolia</i> | Mohua | Sapotaceae |
| 5. | <i>Semecarpus anacardium</i> | Bhela | Anacardiaceae |
| 6. | <i>Firmiana simplex</i> Syn. <i>Sterculia urens</i> | Bandarpichla | Malvaceae |
| 7. | <i>Lannea coromandelica</i> | Jiol | Anacardiaceae |
| 8. | <i>Bridelia retusa</i> | Kasai | Phyllanthaceae |
| 9. | <i>Dillenia pentagyna</i> | Bon chalta | Dilleniaceae |
| 10. | <i>Mitragyna parviflora</i> | Kelikadam | Rubiaceae |
| 11. | <i>Soymdia febrifuga</i> | Raktarahada | Meliaceae |
| 12. | <i>Anogeissus latifolia</i> | Dhaw | Combretaceae |
| 13. | <i>Diospyros sylvatica</i> | Kanchia (Odhis), Gara-Tiril (Santali) | Ebenaceae |
| 14. | <i>Gardenia gummifera</i> | Bhudro, Dikamali | Rubiaceae |
| 15. | <i>Ziziphus jujuba</i> Syn. <i>Ziziphus mauritiana</i> | Kool, Boro | Rhamnaceae |
| 16. | <i>Meyna laxiflora</i> | Moynakanta | Rubiaceae |
| 17. | <i>Flacourtia indica</i> | Baichi | Salicaceae |
| 18. | <i>Antidesma ghaesembilla</i> | Marmuri, Khudi jam | Phyllanthaceae |
| 19. | <i>Ehretia laevis</i> | Tamboli, Pushipan | Boraginaceae |
| 20. | <i>Lagerstroemia parviflora</i> | Sidha | Lythraceae |
| 21. | <i>Tectona grandis</i> | Segun | Lamiaceae |
| 22. | <i>Schleichera oleosa</i> | Kusum | Sapindaceae |
| 23. | <i>Ficus rumphii</i> | Pakur | Moraceae |
| 24. | <i>Terminalia alata</i> | Asan | Combretaceae |
| 25. | <i>Terminalia chebula</i> | Haritaki | Combretaceae |
| 26. | <i>Cassia fistula</i> | Bandorlathi | Fabaceae |
| 27. | <i>Kydia calycina</i> | Pola | Malvaceae |
| 28. | <i>Grewia serrulata</i> | Panisara | Malvaceae |
| 29. | <i>Cordia dichotoma</i> | Bahubara, Bohnari | Boraginaceae |
| 30. | <i>Cleistanthus collinus</i> | Podasi | Phyllanthaceae |
| 31. | <i>Ixora pavetta</i> | Lohajangi | Rubiaceae |
| 32. | <i>Psydrax dicoccos</i> | Garbha gojha | Rubiaceae |
| 33. | <i>Diospyros melanoxylon</i> | Kendu | Ebenaceae |
| 34. | <i>Croton persimilis</i> | Putla, Gote | Euphorbiaceae |
| 35. | <i>Milusa velutina</i> | Domsal, Chapate | Annonaceae |
| 36. | <i>Vitex peduncularis</i> | Goda, Ashot | Lamiaceae |

| | | | |
|-----|---------------------------------|----------------------------------------|----------------|
| 37. | <i>Garuga pinnata</i> | Nilbhadi, Dabdabe tum kharpat, Kharpat | Burseraceae |
| 38. | <i>Polyalthia cerasoides</i> | Kudumi | Annonaceae |
| 39. | <i>Ficus mollis</i> | Kathpeepal | Moraceae |
| 40. | <i>Haldina cordifolia</i> | Karam | Rubiaceae |
| 41. | <i>Casearia graveolens</i> | Chilla, Pimpri, Nauri | Salicaceae |
| 42. | <i>Suregada multiflora</i> | Ban naringa | Euphorbiaceae |
| 43. | <i>Casearia tomentosa</i> | Maun, Churchumaun | Salicaceae |
| 44. | <i>Mallotus philippensis</i> | Sindure | Euphorbiaceae |
| 45. | <i>Putranjiva roxburghii</i> | Putranjiva | Putranjivaceae |
| 46. | <i>Glochidion ellipticum</i> | Petari | Phyllanthaceae |
| 47. | <i>Bridelia tomentosa</i> | Mindri, Sirai | Phyllanthaceae |
| 48. | <i>Azadirachta indica</i> | Neem | Meliaceae |
| 49. | <i>Syzygium cumini</i> | Jam | Myrtaceae |
| 50. | <i>Albizia lebeck</i> | Siris | Fabaceae |
| 51. | <i>Cochlospermum religiosum</i> | Golgoli, Sonali Shimul | Bixaceae |
| 52. | <i>Gardenia latifolia</i> | Dom bhudro, Popro | Rubiaceae |
| 53. | <i>Sterculia villosa</i> | Udal | Malvaceae |
| 54. | <i>Symplocos racemosa</i> | Lodh | Symplocaceae |
| 55. | <i>Streblus asper</i> | Sehora | Moraceae |
| 56. | <i>Albizia procera</i> | Sada Siris, Koro | Fabaceae |
| 57. | <i>Pterocarpus marsupium</i> | Piyasal | Fabaceae |
| 58. | <i>Holarrhena pubescens</i> | Kurchi | Apocynaceae |

B. Shrubs and climbers

| Sl.no | Plant scientific name | Common name/Local Name/ Vernacular name | Family |
|-------|-------------------------------------------------------|--------------------------------------------|---------------|
| 1. | <i>Polyalthia suberosa</i> | Kukuriam, Barachali | Annonaceae |
| 2. | <i>Grewia hirsuta</i> | Kukurbicha | Malvaceae |
| 3. | <i>Ampelocissus latifolia</i> | Kumarlata | Vitaceae |
| 4. | <i>Smilax ovalifolia</i> | Kumarika | Smilacaceae |
| 5. | <i>Smilax zeylanica</i> | Ramdatun | Smilacaceae |
| 6. | <i>Catunaregam spinosa</i> Syn. <i>Randia spinosa</i> | Maniphall | Rubiaceae |
| 7. | <i>Nyctanthes arbor-tristis</i> | Shiuli | Oleaceae |
| 8. | <i>Tylophora indica</i> | Antamool | Apocynaceae |
| 9. | <i>Cajanus scarabaeoides</i> | Ban kulatha | Fabaceae |
| 10. | <i>Hemidesmus indicus</i> | Anantamool | Apocynaceae |
| 11. | <i>Ichnocarpus frutescens</i> | Shyamalata | Apocynaceae |
| 12. | <i>Asparagus officinalis</i> | Satamuli | Asparagaceae |
| 13. | <i>Asparagus racemosus</i> | Satamuli | Asparagaceae |
| 14. | <i>Phyllodium pulchellum</i> | Jatsalpan | Fabaceae |
| 15. | <i>Dioscorea bulbifera</i> | Banalu, Bawla | Dioscoreaceae |

| | | | |
|-----|---------------------------------------------------|-------------------------|------------------|
| 16. | <i>Dioscorea pentaphylla</i> | Kanta alu | Dioscoreaceae |
| 17. | <i>Lygodium flexuosum</i> | Berajal | Lygodiaceae |
| 18. | <i>Carissa spinarum</i> | Ban karamcha | Apocynaceae |
| 19. | <i>Cissus repanda</i> | Panilata | Vitaceae |
| 20. | <i>Erycibe paniculata</i> | Karilata | Convolvulaceae |
| 21. | <i>Ziziphus oenopolia</i> | Siakul | Rhamnaceae |
| 22. | <i>Spatholobus parviflorus</i> | Bandolata | Fabaceae |
| 23. | <i>Teramnus labialis</i> | Mashani | Fabaceae |
| 24. | <i>Stephania japonica</i> | Akanadi | Menispermaceae |
| 25. | <i>Azanza lampas</i> | Bonkapas | Malvaceae |
| 26. | <i>Scindapsus officinalis</i> | Gajapipul, Latpipul | Araceae |
| 27. | <i>Ardisia solanacea</i> | Banjam | Primulaceae |
| 28. | <i>Millettia extensa</i> | Hehel, Hel | Fabaceae |
| 29. | <i>Mucuna pruriens</i> | Alkushi | Fabaceae |
| 30. | <i>Cuscuta reflexa</i> | Swarnalata | Convolvulaceae |
| 31. | <i>Dioscorea oppositifolia</i> | Pani alu, Pitli kanda | Dioscoreaceae |
| 32. | <i>Dioscorea hispida</i> | Kolo, Karu kandu | Dioscoreaceae |
| 33. | <i>Dendrobium triangulare</i> | Bir jharwar | Fabaceae |
| 34. | <i>Clerodendrum infortunatum</i> | Ghentu | Lamiaceae |
| 35. | <i>Chromolaena odorata</i> | Bagh Dhoka | Asteraceae |
| 36. | <i>Ventilago denticulata</i> | Raktapita | Rhamnaceae |
| 37. | <i>Triumfetta rhomboidea</i> | Ban okra | Malvaceae |
| 38. | <i>Aristolochia indica</i> | Iswarmool | Aristolochiaceae |
| 39. | <i>Helicteres isora</i> | Atmora | Malvaceae |
| 40. | <i>Pseudarthria viscida</i> | Chapakno | Fabaceae |
| 41. | <i>Grewia asiatica</i> | Falsa | Malvaceae |
| 42. | <i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> | Cheur, Latano Kanchan | Fabaceae |
| 43. | <i>Ceropegia sp</i> | | Apocynaceae |
| 44. | <i>Breynia retusa</i> | Chitki | Phyllanthaceae |
| 45. | <i>Cheilocostus speciosus</i> | Keu, Kemuk | Costaceae |
| 46. | <i>Butea superba</i> | Lata palash | Fabaceae |
| 47. | <i>Woodfordia fruticosa</i> | Dhai | Lythraceae |
| 48. | <i>Leea asiatica</i> | Banchalita | Vitaceae |
| 49. | <i>Flemingia macrophylla</i> | Barasalpan | Fabaceae |
| 50. | <i>Cissampelos pareira</i> | Akanadi, Tejomala | Menispermaceae |
| 51. | <i>Olax scandens</i> | Kokoaru, Bhadri | Olacaceae |
| 52. | <i>Lantana camara</i> | Putus | Verbenaceae |
| 53. | <i>Desmodium heterocarpon</i> | Bephool | Fabaceae |
| 54. | <i>Catunaregam spinosa</i> | Maniphal | Rubiaceae |
| 55. | <i>Cayratia pedata</i> | Goali lata | Vitaceae |
| 56. | <i>Leea indica</i> | Kukur-jiwah | Vitaceae |
| 57. | <i>Barleria prionitis</i> | Kanta-jati, Peet jhanti | Acanthaceae |
| 58. | <i>Pavetta indica</i> | Jui, Kukura-chura | Rubiaceae |

| | | | |
|-----|-------------------------------|-------------------------|----------------|
| 59. | <i>Tacca leontopetaloides</i> | Dibakanda, Dhai | Dioscoreaceae |
| 60. | <i>Tinospora cordifolia</i> | Gulancha | Menispermaceae |
| 61. | <i>Gymnema sylvestre</i> | Gurmari, Mesha singi | Apocynaceae |
| 62. | <i>Unknown Poaceae</i> | | Poaceae |
| 63. | <i>Vitex altissima</i> | Tin-patte | Lamiaceae |
| 64. | <i>Urena lobata</i> | Ban okra, Bhidi janetet | Malvaceae |
| 65. | <i>Desmodium velutinum</i> | Simthasaru | Fabaceae |

C. Herbs

| Sl.no | Plant scientific name | Common name/Local Name/ Vernacular name | Family |
|-------|----------------------------------------------------------------|--------------------------------------------|----------------|
| 01. | <i>Allmania nodiflora</i> | Node Flower Allmania | Amaranthaceae |
| 02. | <i>Dicliptera chinensis</i> | Chinese Foldwing | Acanthaceae |
| 03. | <i>Curculigo orchioides</i> | Talmuli | Hypoxidaceae |
| 04. | <i>Sida cordata</i> | Latjoka | Malvaceae |
| 05. | <i>Commelina suffruticosa</i> | Dareorsa | Commelinaceae |
| 06. | <i>Anisomeles indica</i> | Gopali | Lamiaceae |
| 07. | <i>Cyperus spp.</i> | | Cyperaceae |
| 08. | <i>Polygala arvensis</i> | Gaighura, Meradu | Polygalaceae |
| 09. | <i>Leucas angularis</i> | | Lamiaceae |
| 10. | <i>Andrographis paniculata</i> | Kalmegh | Acanthaceae |
| 11. | <i>Cyanotis tuberosa</i> | Jereng-arak, Merom chunchi | Commelinaceae |
| 12. | <i>Oplismenus burmanni</i> | Kanguria, Nini | Poaceae |
| 13. | <i>Phyllanthus niruri</i> | Bhui amla | Phyllanthaceae |
| 14. | <i>Panicum notatum</i> | | Poaceae |
| 15. | <i>Cynodon dactylon</i> | Durba, Dubla | Poaceae |
| 16. | <i>Hybanthus enneaspermus</i> | Nunbora | Violaceae |
| 17. | <i>Scleria lithosperma</i> | | Cyperaceae |
| 18. | <i>Lepidagathis incurva</i> | Ban Puru, Buruturi | Acanthaceae |
| 19. | <i>Evolvulus nummularius</i> | Bhumisushni, Bhuikamri | Convolvulaceae |
| 20. | <i>Byttneria herbacea</i> | Kambraj, Deku sindur | Malvaceae |
| 21. | <i>Eragrostis amabilis</i> | Jhusa | Poaceae |
| 22. | <i>Spermacoce articularis</i> | Madana banta-kadu, Pitua arak | Rubiaceae |
| 23. | <i>Eulalia conjugata</i> | | Poaceae |
| 24. | <i>Rungia pectinata</i> | Chhotosibjata | Acanthaceae |
| 25. | <i>Cheilanthes sp</i> | | Pteridaceae |
| 26. | <i>Mitracarpus hirtus</i> | Gothia gobi (Kondh) | Rubiaceae |
| 27. | <i>Poa spp.</i> | | Poaceae |
| 28. | <i>Desmodium prostratum</i> | | Fabaceae |
| 29. | <i>Phyllanthus virgatus</i> Syn. <i>Phyllanthus simplex</i> | Bhui amla, Tanda meral | Phyllanthaceae |
| 30. | <i>Adiantum spp.</i> | | Pteridaceae |

| | | | |
|-----|------------------------------------------------------------|---------------------------|---------------|
| 31. | <i>Barleria cristata</i> | Swetjhanti | Acanthaceae |
| 32. | <i>Drimia indica</i> | Bonpayaj | Liliaceae |
| 33. | <i>Commelina erecta</i> | Konisiri, Kanyari (O) | Commelinaceae |
| 34. | <i>Aeginetia indica</i> | Kal kutamahura (O) | Orobanchaceae |
| 35. | <i>Cyanotis axillaris</i> | Baghanulla | Commelinaceae |
| 36. | <i>Knoxia sumatrensis</i> | | Rubiaceae |
| 37. | <i>Flemingia macrophylla</i> Syn. <i>Flemingia nana</i> | Barasalpan | Fabaceae |
| 38. | <i>Ruellia prostrata</i> | Bell weed | Acanthaceae |
| 39. | <i>Habenaria plantaginea</i> | <i>Plantain habenaria</i> | Orchidaceae |
| 40. | <i>Globba rahmanii</i> | | Zingiberaceae |
| 41. | <i>Biophytum sensitivum</i> | Jhalai | Oxalidaceae |
| 42. | <i>Zingiber montanum</i> | <i>Ban ada</i> | Zingiberaceae |
| 43. | <i>Polygala javana</i> | <i>Java Milkwort</i> | Polygalaceae |
| 44. | <i>Setaria barbata</i> | Bristly foxtail grass | Poaceae |

1.6 Phyto-sociological analysis

The data for each life form are recorded in the study area which are divided into five altitudinal zone and are quantitatively analyzed for Density, Relative density, frequency, relative frequency, abundance, relative abundance etc. The importance value index for herbs and shrubs has been calculated through the abundance data according to Samanta and Das (1998). Finally, for trees the importance value index (IVI) is calculated according to Philips (1959) and Misra (1969).

Density

Density is a numerical strength of a species in relation to a unit area. This parameter gives an idea about the dominance and rarity of a species and is also an indicator of the standing biomass and productivity of the region (Ambashat et al., 1995). The percentage of a species with respect to different species in the unit area is called as relative density. They are calculated as:

- Density (D) = (Total number of individuals of a species in all the quadrant)/(Total quadrants studied)
- Relative Density (RD) = (Density of a Species×100)/(Sum of the Densities of all the Species)

Frequency

Frequency is the degree of dispersion in terms of percentage occurrence. In a sampling only the names of the species encountered in the different quadrat are listed.

Frequency basically gives us an idea how frequent a species is encountered in the area. The frequency percentage of a species with respect to different species in the unit area is called as Relative Frequency.

- $\text{Frequency}(F\%) = (\text{Number of quadrants in which the species has occurred} \times 100) / \text{Total quadrants studied}$
- $\text{Relative Frequency (RF)} = (\text{Frequency of a Species} \times 100) / (\text{Sum of Frequencies of all Species})$

Abundance

Abundance is the total number of individual of a species in a sampling area. It basically gives us an idea of the occurrence and its common laity of a species in the sampling unit. Relative abundance is the percentage ratio between the abundance of species with that of sum of abundance of all species in the sampling unit.

- $\text{Abundance (A)} = (\text{Number of Individual of a species occurring in all quadrants}) / (\text{Number of quadrants in which the species has occurred})$
- $\text{Relative Abundance (RA)} = (\text{Abundance of a Species} \times 100) / (\text{Sum of Abundances of all Species})$

Importance value Index (IVI)

The IVI gives an overall picture of a species and its importance in a community. The importance of a species in a community can be obtained by adding the value of relative density, relative dominance and relative frequency.

The IVI is calculated by the following formula

$$\text{IVI} = \text{RF} + \text{RD} + \text{RD} \text{ (chhRA)}$$

Diversity indices

Diversity indices serve as important surrogates for measuring Biodiversity (Sarkar and Margules, 2003). A diversity index is a quantitative measure that reflects how many different types (such as species) there are in a dataset, and simultaneously takes into account how evenly the basic entities (such as individuals) are distributed among those types (http://en.wikipedia.org/wiki/Diversity_index). There are numerous indices formulated for diversity study but the commonly followed diversity indices have been adopted.

Species Diversity

It is the effective number of different species that are represented in a collection of individuals. Species richness and species evenness are the two components of species diversity. Shannon-Wiener index (1963), incorporates both the parameters and is one of the most widely used indices for measuring species diversity in an ecosystem (Ilorkar and Khatri, 2003). Lower the dominance higher is the diversity.

Shannon –Wiener index (1963)

$$H' = -\sum [n_i/N] \ln(n_i/N)$$

Where 'H' is the index value, 'n_i' is the number of individuals of a species, 'N' is the total number of species in the habitat area.

Concentration of dominance

Simpson index (1949) is used to measure the degree of concentration of dominance of species which basically gives priority to the dominant species. Its maximum value ranges between 0 -1, which basically relates to the number of chances a particular species that can be encountered in a sampling unit.

$$\begin{aligned} \text{Simpson's Index (1949)} \\ = \sum p_i^2 \end{aligned}$$

Where 'p_i' is the proportional abundance of the ith species, P_i = n_i/N
'n_i' and 'N' are same as Shannon-Wiener index.

This report is based on the data collected during post monsoon (August 2022) for all selected 5 Grids and 25 major sample plots (20mX20m) therein for trees, 120 sample quadrates (5mX5m) for Shrubs and 125 quadrates (1mX1m) of herbs.

1.6.1 Tree data analysis

| Sl.no | Plant scientific name | Total number of individuals of a species in all the quadrant | Total number of quadrat studied | Number of quadrants in which the species has | Density (D) | Relative Density (RD) | Frequency (F) | Relative Frequency (RF) | Abundance (A) | Relative Abundance (RA) | IVI | pi2 | pi/ln pi |
|-------|-----------------------------------|--------------------------------------------------------------|---------------------------------|----------------------------------------------|-------------|-----------------------|---------------|-------------------------|---------------|-------------------------|-----------|-------------|------------|
| 1 | <i>Shorea robusta</i> | 509 | 25 | 20 | 20,36 | 43,43 | 80 | 10,8108108 | 25,45 | 16,398238 | 70,639083 | 0,188616786 | -0,3622147 |
| 2 | <i>Aegle mermelos</i> | 2 | 25 | 2 | 0,08 | 0,17065 | 8 | 1,08108108 | 1 | 0,6443315 | 1,8960611 | 2,91209E-06 | -0,010876 |
| 3 | <i>Buchanania cochinchinensis</i> | 21 | 25 | 9 | 0,84 | 1,79181 | 36 | 4,86486486 | 2,333333333 | 1,5034403 | 8,160114 | 0,000321058 | -0,0720656 |
| 4 | <i>Madhuca longifolia</i> | 18 | 25 | 10 | 0,72 | 1,53584 | 40 | 5,40540541 | 1,8 | 1,1597968 | 8,1010384 | 0,000235879 | -0,064138 |
| 5 | <i>Semecarpus kathalekanensis</i> | 6 | 25 | 4 | 0,24 | 0,51195 | 16 | 2,16216216 | 1,5 | 0,9664973 | 3,6406049 | 2,62088E-05 | -0,0270036 |
| 6 | <i>Sterculia urens</i> | 12 | 25 | 6 | 0,48 | 1,02389 | 24 | 3,24324324 | 2 | 1,2886631 | 5,5557971 | 0,000104835 | -0,0469102 |
| 7 | <i>Lannea coromandelica</i> | 58 | 25 | 12 | 2,32 | 4,94881 | 48 | 6,48648649 | 4,833333333 | 3,1142691 | 14,549561 | 0,002449068 | -0,1487623 |
| 8 | <i>Bridelia retusa</i> | 3 | 25 | 2 | 0,12 | 0,25597 | 8 | 1,08108108 | 1,5 | 0,9664973 | 2,3035511 | 6,5522E-06 | -0,0152761 |
| 9 | <i>Dillenia pentagyna</i> | 1 | 25 | 1 | 0,04 | 0,08532 | 4 | 0,54054054 | 1 | 0,6443315 | 1,2701963 | 7,28022E-07 | -0,0060294 |
| 10 | <i>Mitragyna parvifolia</i> | 4 | 25 | 2 | 0,16 | 0,3413 | 8 | 1,08108108 | 2 | 1,2886631 | 2,7110411 | 1,16484E-05 | -0,0193863 |
| 11 | <i>Soymida febrifuga</i> | 44 | 25 | 7 | 1,76 | 3,75427 | 28 | 3,78378378 | 6,285714286 | 4,050084 | 11,588134 | 0,001409451 | -0,1232254 |
| 12 | <i>Anogeissus latifolia</i> | 170 | 25 | 9 | 6,8 | 14,5051 | 36 | 4,86486486 | 18,88888889 | 12,170707 | 31,540691 | 0,021039849 | -0,2800458 |
| 13 | <i>Diospyros sylvatica</i> | 19 | 25 | 4 | 0,76 | 1,62116 | 16 | 2,16216216 | 4,75 | 3,0605748 | 6,8438974 | 0,000262816 | -0,0668247 |
| 14 | <i>Gardenia resinifera</i> | 12 | 25 | 3 | 0,48 | 1,02389 | 12 | 1,62162162 | 4 | 2,5773262 | 5,2228386 | 0,000104835 | -0,0469102 |
| 15 | <i>Ziziphus mauritiana</i> | 4 | 25 | 3 | 0,16 | 0,3413 | 12 | 1,62162162 | 1,333333333 | 0,8591087 | 2,8220273 | 1,16484E-05 | -0,0193863 |
| 16 | <i>Meyna laxiflora</i> | 10 | 25 | 6 | 0,4 | 0,85324 | 24 | 3,24324324 | 1,666666667 | 1,0738859 | 5,1703715 | 7,28022E-05 | -0,0406475 |
| 17 | <i>Flacourtia indica</i> | 11 | 25 | 8 | 0,44 | 0,93857 | 32 | 4,32432432 | 1,375 | 0,8859559 | 6,1488468 | 8,80907E-05 | -0,0438177 |
| 18 | <i>Antidesma ghaesembilla</i> | 2 | 25 | 2 | 0,08 | 0,17065 | 8 | 1,08108108 | 1 | 0,6443315 | 1,8960611 | 2,91209E-06 | -0,010876 |
| 19 | <i>Ehretia laevis</i> | 2 | 25 | 1 | 0,08 | 0,17065 | 4 | 0,54054054 | 2 | 1,2886631 | 1,9998521 | 2,91209E-06 | -0,010876 |
| 20 | <i>Lagerstroemia parviflora</i> | 34 | 25 | 7 | 1,36 | 2,90102 | 28 | 3,78378378 | 4,857142857 | 3,1296104 | 9,814418 | 0,000841594 | -0,1026993 |
| 21 | <i>Tectona grandis</i> | 1 | 25 | 1 | 0,04 | 0,08532 | 4 | 0,54054054 | 1 | 0,6443315 | 1,2701963 | 7,28022E-07 | -0,0060294 |
| 22 | <i>Schleichera oleosa</i> | 6 | 25 | 2 | 0,24 | 0,51195 | 8 | 1,08108108 | 3 | 1,9329946 | 3,5260211 | 2,62088E-05 | -0,0270036 |
| 23 | <i>Ficus rumphii</i> | 1 | 25 | 1 | 0,04 | 0,08532 | 4 | 0,54054054 | 1 | 0,6443315 | 1,2701963 | 7,28022E-07 | -0,0060294 |
| 24 | <i>Terminalia elliptica</i> | 23 | 25 | 3 | 0,92 | 1,96246 | 12 | 1,62162162 | 7,666666667 | 4,9398752 | 8,5239541 | 0,000385124 | -0,0771437 |

| | | | | | | | | | | | | | |
|----|------------------------------|------|----|---|-------|---------|-----|------------|-------------|-----------|-----------|-------------|------------|
| 25 | <i>Terminalia chebula</i> | 3 | 25 | 2 | 0,12 | 0,25597 | 8 | 1,08108108 | 1,5 | 0,9664973 | 2,3035511 | 6,5522E-06 | -0,0152761 |
| 26 | <i>Cassia fistula</i> | 10 | 25 | 4 | 0,4 | 0,85324 | 16 | 2,16216216 | 2,5 | 1,6108289 | 4,6262333 | 7,28022E-05 | -0,0406475 |
| 27 | <i>Kydia calycina</i> | 36 | 25 | 6 | 1,44 | 3,07167 | 24 | 3,24324324 | 6 | 3,8659893 | 10,180905 | 0,000943517 | -0,1069848 |
| 28 | <i>Grewia serrulata</i> | 19 | 25 | 6 | 0,76 | 1,62116 | 24 | 3,24324324 | 3,166666667 | 2,0403832 | 6,9047869 | 0,000262816 | -0,0668247 |
| 29 | <i>Cordia dichotoma</i> | 6 | 25 | 2 | 0,24 | 0,51195 | 8 | 1,08108108 | 3 | 1,9329946 | 3,5260211 | 2,62088E-05 | -0,0270036 |
| 30 | <i>Cleistanthus collinus</i> | 1 | 25 | 1 | 0,04 | 0,08532 | 4 | 0,54054054 | 1 | 0,6443315 | 1,2701963 | 7,28022E-07 | -0,0060294 |
| 31 | <i>Ixora pavetta</i> | 43 | 25 | 7 | 1,72 | 3,66894 | 28 | 3,78378378 | 6,142857143 | 3,9580366 | 11,410762 | 0,001346114 | -0,1212683 |
| 32 | <i>Psydrax dicoccos</i> | 2 | 25 | 2 | 0,08 | 0,17065 | 8 | 1,08108108 | 1 | 0,6443315 | 1,8960611 | 2,91209E-06 | -0,010876 |
| 33 | <i>Diospyros melanoxylon</i> | 13 | 25 | 4 | 0,52 | 1,10922 | 16 | 2,16216216 | 3,25 | 2,0940775 | 5,3654547 | 0,000123036 | -0,0499315 |
| 34 | <i>Croton persimilis</i> | 11 | 25 | 5 | 0,44 | 0,93857 | 20 | 2,7027027 | 2,2 | 1,4175294 | 5,0587987 | 8,80907E-05 | -0,0438177 |
| 35 | <i>Milusa velutina</i> | 6 | 25 | 5 | 0,24 | 0,51195 | 20 | 2,7027027 | 1,2 | 0,7731979 | 3,9878459 | 2,62088E-05 | -0,0270036 |
| 36 | <i>Vitex peduncularis</i> | 5 | 25 | 2 | 0,2 | 0,42662 | 8 | 1,08108108 | 2,5 | 1,6108289 | 3,1185311 | 1,82006E-05 | -0,0232808 |
| 37 | <i>Garuga pinnata</i> | 2 | 25 | 2 | 0,08 | 0,17065 | 8 | 1,08108108 | 1 | 0,6443315 | 1,8960611 | 2,91209E-06 | -0,010876 |
| 38 | <i>Huberantha cerasoides</i> | 28 | 25 | 4 | 1,12 | 2,38908 | 16 | 2,16216216 | 7 | 4,5103208 | 9,0615615 | 0,00057077 | -0,0892145 |
| 39 | <i>Ficus mollis</i> | 3 | 25 | 2 | 0,12 | 0,25597 | 8 | 1,08108108 | 1,5 | 0,9664973 | 2,3035511 | 6,5522E-06 | -0,0152761 |
| 40 | <i>Haldina cordifolia</i> | 2 | 25 | 2 | 0,08 | 0,17065 | 8 | 1,08108108 | 1 | 0,6443315 | 1,8960611 | 2,91209E-06 | -0,010876 |
| 41 | <i>Casearia graveolens</i> | 2 | 25 | 1 | 0,08 | 0,17065 | 4 | 0,54054054 | 2 | 1,2886631 | 1,9998521 | 2,91209E-06 | -0,010876 |
| 42 | <i>Suregada multiflora</i> | 3 | 25 | 1 | 0,12 | 0,25597 | 4 | 0,54054054 | 3 | 1,9329946 | 2,7295079 | 6,5522E-06 | -0,0152761 |
| 43 | <i>Casearia tomentosa</i> | 1 | 25 | 1 | 0,04 | 0,08532 | 4 | 0,54054054 | 1 | 0,6443315 | 1,2701963 | 7,28022E-07 | -0,0060294 |
| 44 | <i>Mallotus philippensis</i> | 3 | 25 | 1 | 0,12 | 0,25597 | 4 | 0,54054054 | 3 | 1,9329946 | 2,7295079 | 6,5522E-06 | -0,0152761 |
| | Total | 1172 | | | 46,88 | 100 | 740 | 100 | 155,1996032 | 100 | 300 | 0,219542452 | -2,3468208 |

Simpson index = **0.219542**, i.e. concentration of dominance of species.

Shanon-weiner index = **2.3468208**, i.e. measure of species diversity.

1.6.2 Shrub Data Analysis

| Sl.no | Plant scientific name | Total number of individuals of a species in all the quadrant | Total number of quadrat studied | Number of quadrants in which the species has occurred | Density (D) | Relative Density (RD) | Frequency (F) | Relative Frequency (RF) | Abundance (A) | Relative Abundance (RA) | IVI | pi2 | pi/lnpi |
|-------|-----------------------------------|--------------------------------------------------------------|---------------------------------|-------------------------------------------------------|-------------|-----------------------|---------------|-------------------------|---------------|-------------------------|----------|-------------|------------|
| 1. | <i>Shorea robusta</i> | 346 | 100 | 55 | 3,46 | 5,54842848 | 55 | 4,0680473 | 6,29090909 | 1,735472892 | 11,35195 | 0,003078506 | -0,1604414 |
| | <i>Semecarpus kathalekanensis</i> | 9 | 100 | 3 | 0,09 | 0,14432328 | 3 | 0,2218935 | 3 | 0,827609905 | 1,193827 | 2,08292E-06 | -0,00944 |
| 3. | <i>Lannea coromandelica</i> | 69 | 100 | 23 | 0,69 | 1,10647851 | 23 | 1,7011834 | 3 | 0,827609905 | 3,635272 | 0,000122429 | -0,0498357 |
| 4. | <i>Ixora pavetta</i> | 151 | 100 | 48 | 1,51 | 2,42142399 | 48 | 3,5502959 | 3,14583333 | 0,867840942 | 6,839561 | 0,000586329 | -0,0900967 |
| 5. | <i>Polyalthia suberosa</i> | 11 | 100 | 4 | 0,11 | 0,17639513 | 4 | 0,295858 | 2,75 | 0,758642413 | 1,230896 | 3,11152E-06 | -0,0111838 |
| 6. | <i>Grewia hirsuta</i> | 49 | 100 | 6 | 0,49 | 0,7857601 | 6 | 0,443787 | 8,16666667 | 2,252938075 | 3,482485 | 6,17419E-05 | -0,0380801 |
| 7. | <i>Ampelocissus latifolia</i> | 307 | 100 | 53 | 3,07 | 4,92302758 | 53 | 3,9201183 | 5,79245283 | 1,597963779 | 10,44111 | 0,00242362 | -0,1482445 |
| 8. | <i>Smilax ovalifolia</i> | 80 | 100 | 38 | 0,8 | 1,28287364 | 38 | 2,8106509 | 2,10526316 | 0,580778881 | 4,674303 | 0,000164576 | -0,0558828 |
| 9. | <i>Smilax zeylanica</i> | 10 | 100 | 5 | 0,1 | 0,1603592 | 5 | 0,3698225 | 2 | 0,551739937 | 1,081922 | 2,57151E-06 | -0,0103199 |
| 10. | <i>Randia spinose</i> | 11 | 100 | 6 | 0,11 | 0,17639513 | 6 | 0,443787 | 1,83333333 | 0,505761609 | 1,125944 | 3,11152E-06 | -0,0111838 |
| 11. | <i>Nyctanthes arbor-tristis</i> | 40 | 100 | 16 | 0,4 | 0,64143682 | 16 | 1,183432 | 2,5 | 0,689674921 | 2,514544 | 4,11441E-05 | -0,0323875 |
| 12. | <i>Tylophora indica</i> | 59 | 100 | 9 | 0,59 | 0,94611931 | 9 | 0,6656805 | 6,55555556 | 1,808480904 | 3,420281 | 8,95142E-05 | -0,0440944 |
| 13. | <i>Cajanus scarabaeoides</i> | 23 | 100 | 8 | 0,23 | 0,36882617 | 8 | 0,591716 | 2,875 | 0,793126159 | 1,753668 | 1,36033E-05 | -0,0206639 |
| 14. | <i>Diospyros melanoxylon</i> | 197 | 100 | 41 | 1,97 | 3,15907633 | 41 | 3,0325444 | 4,80487805 | 1,325521555 | 7,517142 | 0,000997976 | -0,1091426 |
| 15. | <i>Hemidesmus indicus</i> | 66 | 100 | 16 | 0,66 | 1,05837075 | 16 | 1,183432 | 4,125 | 1,137963619 | 3,379766 | 0,000112015 | -0,0481394 |
| 16. | <i>Diospyros sylvatica</i> | 20 | 100 | 7 | 0,2 | 0,32071841 | 7 | 0,5177515 | 2,85714286 | 0,78819991 | 1,62667 | 1,0286E-05 | -0,0184168 |
| 17. | <i>Holarrhena pubescens</i> | 282 | 100 | 33 | 2,82 | 4,52212957 | 33 | 2,4408284 | 8,54545455 | 2,357434275 | 9,320392 | 0,002044966 | -0,1400136 |
| 18. | <i>Terminalia elliptica</i> | 10 | 100 | 5 | 0,1 | 0,1603592 | 5 | 0,3698225 | 2 | 0,551739937 | 1,081922 | 2,57151E-06 | -0,0103199 |
| 19. | <i>Meyna laxiflora</i> | 126 | 100 | 48 | 1,26 | 2,02052598 | 48 | 3,5502959 | 2,625 | 0,724158667 | 6,294981 | 0,000408253 | -0,0788371 |
| 20. | <i>Ichnocarpus frutescens</i> | 180 | 100 | 32 | 1,8 | 2,88646568 | 32 | 2,3668639 | 5,625 | 1,551768572 | 6,805098 | 0,000833168 | -0,1023292 |
| 21. | <i>Asparagus officinalis</i> | 33 | 100 | 15 | 0,33 | 0,52918538 | 15 | 1,1094675 | 2,2 | 0,60691393 | 2,245567 | 2,80037E-05 | -0,0277377 |
| 22. | <i>Asparagus recemosus</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 23. | <i>Terminalia chebula</i> | 29 | 100 | 12 | 0,29 | 0,46504169 | 12 | 0,887574 | 2,41666667 | 0,666685757 | 2,019301 | 2,16264E-05 | -0,0249765 |
| 24. | <i>Phyllodium pulchellum</i> | 143 | 100 | 36 | 1,43 | 2,29313663 | 36 | 2,6627219 | 3,97222222 | 1,095816819 | 6,051675 | 0,000525848 | -0,0865716 |
| 25. | <i>Dioscorea bulbifera</i> | 616 | 100 | 51 | 6,16 | 9,878127 | 51 | 3,7721893 | 12,0784314 | 3,332076481 | 16,98239 | 0,009757739 | -0,2286636 |
| 26. | <i>Dioscorea pentaphylla</i> | 483 | 100 | 41 | 4,83 | 7,74534958 | 41 | 3,0325444 | 11,7804878 | 3,249882798 | 14,02778 | 0,005999044 | -0,1981321 |
| 27. | <i>Milium velutina</i> | 16 | 100 | 11 | 0,16 | 0,25657473 | 11 | 0,8136095 | 1,45454545 | 0,401265409 | 1,47145 | 6,58306E-06 | -0,015306 |
| 28. | <i>Cleistanthus collinus</i> | 107 | 100 | 26 | 1,07 | 1,71584349 | 26 | 1,9230769 | 4,11538462 | 1,135311024 | 4,774231 | 0,000294412 | -0,0697536 |

| | | | | | | | | | | | | | |
|-----|-----------------------------------|-----|-----|----|------|------------|----|-----------|------------|-------------|----------|-------------|------------|
| 29. | <i>Flacourtia indica</i> | 61 | 100 | 23 | 0,61 | 0,97819115 | 23 | 1,7011834 | 2,65217391 | 0,731655133 | 3,411103 | 9,56858E-05 | -0,0452631 |
| 30. | <i>Casearia graveolens</i> | 50 | 100 | 24 | 0,5 | 0,80179602 | 24 | 1,7751479 | 2,08333333 | 0,574729101 | 3,151673 | 6,42877E-05 | -0,0386952 |
| 31. | <i>Casearia tomentosa</i> | 7 | 100 | 5 | 0,07 | 0,11225144 | 5 | 0,3698225 | 1,4 | 0,386217956 | 0,868292 | 1,26004E-06 | -0,0076243 |
| 32. | <i>Lygodium sp.</i> | 62 | 100 | 19 | 0,62 | 0,99422707 | 19 | 1,4053254 | 3,26315789 | 0,900207265 | 3,29976 | 9,88487E-05 | -0,0458434 |
| 33. | <i>Carissa spinarum</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 34. | <i>Antidesma ghaesembilla</i> | 27 | 100 | 11 | 0,27 | 0,43296985 | 11 | 0,8136095 | 2,45454545 | 0,677135377 | 1,923715 | 1,87463E-05 | -0,0235633 |
| 35. | <i>Soymida febrifuga</i> | 17 | 100 | 5 | 0,17 | 0,27261065 | 5 | 0,3698225 | 3,4 | 0,937957892 | 1,580391 | 7,43166E-06 | -0,0160973 |
| 36. | <i>Cissus repanda</i> | 110 | 100 | 31 | 1,1 | 1,76395125 | 31 | 2,2928994 | 3,5483871 | 0,978893436 | 5,035744 | 0,000311152 | -0,0712215 |
| 37. | <i>Erycibe paniculata</i> | 66 | 100 | 26 | 0,66 | 1,05837075 | 26 | 1,9230769 | 2,53846154 | 0,700285304 | 3,681733 | 0,000112015 | -0,0481394 |
| 38. | <i>Anogeissus latifolia</i> | 138 | 100 | 25 | 1,38 | 2,21295702 | 25 | 1,8491124 | 5,52 | 1,522802225 | 5,584872 | 0,000489718 | -0,0843323 |
| 39. | <i>Ziziphus oenoplia</i> | 14 | 100 | 9 | 0,14 | 0,22450289 | 9 | 0,6656805 | 1,55555556 | 0,429131062 | 1,319314 | 5,04015E-06 | -0,0136925 |
| 40. | <i>Cordia dichotoma</i> | 5 | 100 | 2 | 0,05 | 0,0801796 | 2 | 0,147929 | 2,5 | 0,689674921 | 0,917784 | 6,42877E-07 | -0,0057157 |
| 41. | <i>Ziziphus mauritiana</i> | 4 | 100 | 1 | 0,04 | 0,06414368 | 1 | 0,0739645 | 4 | 1,103479873 | 1,241588 | 4,11441E-07 | -0,0047157 |
| 42. | <i>Syzygium cumini</i> | 7 | 100 | 4 | 0,07 | 0,11225144 | 4 | 0,295858 | 1,75 | 0,482772445 | 0,890882 | 1,26004E-06 | -0,0076243 |
| 43. | <i>Spetholobous perviflorous</i> | 2 | 100 | 1 | 0,02 | 0,03207184 | 1 | 0,0739645 | 2 | 0,551739937 | 0,657776 | 1,0286E-07 | -0,0025802 |
| 44. | <i>Madhuca longifolia</i> | 5 | 100 | 3 | 0,05 | 0,0801796 | 3 | 0,2218935 | 1,66666667 | 0,459783281 | 0,761856 | 6,42877E-07 | -0,0057157 |
| 45. | <i>Alangium salviifolium</i> | 7 | 100 | 3 | 0,07 | 0,11225144 | 3 | 0,2218935 | 2,33333333 | 0,643696593 | 0,977842 | 1,26004E-06 | -0,0076243 |
| 46. | <i>Teramnus labialis</i> | 5 | 100 | 2 | 0,05 | 0,0801796 | 2 | 0,147929 | 2,5 | 0,689674921 | 0,917784 | 6,42877E-07 | -0,0057157 |
| 47. | <i>Stephania japonica</i> | 75 | 100 | 11 | 0,75 | 1,20269403 | 11 | 0,8136095 | 6,81818182 | 1,880931602 | 3,897235 | 0,000144647 | -0,0531664 |
| 48. | <i>Putranjiva roxburghii</i> | 17 | 100 | 8 | 0,17 | 0,27261065 | 8 | 0,591716 | 2,125 | 0,586223683 | 1,45055 | 7,43166E-06 | -0,0160973 |
| 49. | <i>Azanza lampas</i> | 68 | 100 | 25 | 0,68 | 1,09044259 | 25 | 1,8491124 | 2,72 | 0,750366314 | 3,689921 | 0,000118907 | -0,0492726 |
| 50. | <i>Croton persimilis</i> | 348 | 100 | 45 | 3,48 | 5,58050032 | 45 | 3,3284024 | 7,73333333 | 2,133394422 | 11,0423 | 0,003114198 | -0,1610472 |
| 51. | <i>Scindapsus officinalis</i> | 112 | 100 | 12 | 1,12 | 1,79602309 | 12 | 0,887574 | 9,33333333 | 2,574786371 | 5,258383 | 0,00032257 | -0,0721929 |
| 52. | <i>Glochidion ellipticum</i> | 17 | 100 | 9 | 0,17 | 0,27261065 | 9 | 0,6656805 | 1,88888889 | 0,521087718 | 1,459379 | 7,43166E-06 | -0,0160973 |
| 53. | <i>Ardisia solanacea</i> | 5 | 100 | 3 | 0,05 | 0,0801796 | 3 | 0,2218935 | 1,66666667 | 0,459783281 | 0,761856 | 6,42877E-07 | -0,0057157 |
| 54. | <i>Millettia extensa</i> | 84 | 100 | 16 | 0,84 | 1,34701732 | 16 | 1,183432 | 5,25 | 1,448317334 | 3,978767 | 0,000181446 | -0,0580198 |
| 55. | <i>Mucuna pruriens</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 56. | <i>Buchanania cochinchinensis</i> | 54 | 100 | 12 | 0,54 | 0,8659397 | 12 | 0,887574 | 4,5 | 1,241414858 | 2,994929 | 7,49852E-05 | -0,0411244 |

| | | | | | | | | | | | | | |
|-----|--------------------------------|-----|-----|----|------|------------|----|-----------|------------|-------------|----------|-------------|------------|
| 57. | <i>Cuscuta reflexa</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 58. | <i>Dioscorea oppositifolia</i> | 230 | 100 | 22 | 2,3 | 3,68826171 | 22 | 1,6272189 | 10,4545455 | 2,884095124 | 8,199576 | 0,001360327 | -0,1217132 |
| 59. | <i>Dioscorea hispida</i> | 31 | 100 | 7 | 0,31 | 0,49711353 | 7 | 0,5177515 | 4,42857143 | 1,22170986 | 2,236575 | 2,47122E-05 | -0,0263674 |
| 60. | <i>Bridelia retusa</i> | 27 | 100 | 16 | 0,27 | 0,43296985 | 16 | 1,183432 | 1,6875 | 0,465530572 | 2,081932 | 1,87463E-05 | -0,0235633 |
| 61. | <i>Bridelia tomentosa</i> | 56 | 100 | 15 | 0,56 | 0,89801155 | 15 | 1,1094675 | 3,73333333 | 1,029914549 | 3,037394 | 8,06425E-05 | -0,042321 |
| | <i>Dendrolobium</i> | | | | | | | | | | | | |
| 62. | <i>triangulare</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 63. | <i>Huberantha cerasoides</i> | 49 | 100 | 23 | 0,49 | 0,7857601 | 23 | 1,7011834 | 2,13043478 | 0,587722976 | 3,074667 | 6,17419E-05 | -0,0380801 |
| | <i>Clerodendrum</i> | | | | | | | | | | | | |
| 64. | <i>infortunatum</i> | 22 | 100 | 5 | 0,22 | 0,35279025 | 5 | 0,3698225 | 4,4 | 1,213827861 | 1,936441 | 1,24461E-05 | -0,0199222 |
| 65. | <i>Chromolaena odorata</i> | 57 | 100 | 11 | 0,57 | 0,91404747 | 11 | 0,8136095 | 5,18181818 | 1,429508018 | 3,157165 | 8,35483E-05 | -0,0429149 |
| 66. | <i>Ventilago denticulata</i> | 159 | 100 | 24 | 1,59 | 2,54971135 | 24 | 1,7751479 | 6,625 | 1,82763854 | 6,152498 | 0,000650103 | -0,0935538 |
| 67. | <i>Triumfetta rhoboidea</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 68. | <i>Aristolochia indica</i> | 14 | 100 | 9 | 0,14 | 0,22450289 | 9 | 0,6656805 | 1,55555556 | 0,429131062 | 1,319314 | 5,04015E-06 | -0,0136925 |
| 69. | <i>Helicteres isora</i> | 153 | 100 | 28 | 1,53 | 2,45349583 | 28 | 2,0710059 | 5,46428571 | 1,507432327 | 6,031934 | 0,000601964 | -0,0909672 |
| 70. | <i>Azadirachta indica</i> | 10 | 100 | 3 | 0,1 | 0,1603592 | 3 | 0,2218935 | 3,33333333 | 0,919566561 | 1,301819 | 2,57151E-06 | -0,0103199 |
| 71. | <i>Pseudarthria viscida</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 72. | <i>Schleichera oleosa</i> | 16 | 100 | 10 | 0,16 | 0,25657473 | 10 | 0,739645 | 1,6 | 0,441391949 | 1,437612 | 6,58306E-06 | -0,015306 |
| 73. | <i>Grewia asiatica</i> | 21 | 100 | 5 | 0,21 | 0,33675433 | 5 | 0,3698225 | 4,2 | 1,158653867 | 1,865231 | 1,13403E-05 | -0,0191733 |
| 74. | <i>Phanera vahlii</i> | 30 | 100 | 20 | 0,3 | 0,48107761 | 20 | 1,4792899 | 1,5 | 0,413804953 | 2,374173 | 2,31436E-05 | -0,0256746 |
| 75. | <i>Aegle marmelos</i> | 9 | 100 | 4 | 0,09 | 0,14432328 | 4 | 0,295858 | 2,25 | 0,620707429 | 1,060889 | 2,08292E-06 | -0,00944 |
| 76. | <i>Ceropegia sp</i> | 2 | 100 | 2 | 0,02 | 0,03207184 | 2 | 0,147929 | 1 | 0,275869968 | 0,455871 | 1,0286E-07 | -0,0025802 |
| 77. | <i>Breynia retusa</i> | 3 | 100 | 2 | 0,03 | 0,04810776 | 2 | 0,147929 | 1,5 | 0,413804953 | 0,609842 | 2,31436E-07 | -0,0036752 |
| | <i>Lagerstroemia</i> | | | | | | | | | | | | |
| 78. | <i>parviflora</i> | 43 | 100 | 14 | 0,43 | 0,68954458 | 14 | 1,035503 | 3,07142857 | 0,847314903 | 2,572362 | 4,75472E-05 | -0,0343179 |
| 79. | <i>Cheilocostus speciosus</i> | 6 | 100 | 4 | 0,06 | 0,09621552 | 4 | 0,295858 | 1,5 | 0,413804953 | 0,805878 | 9,25743E-07 | -0,0066835 |
| 80. | <i>Butea superba</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 81. | <i>Ehretia laevis</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 82. | <i>Cassia fistula</i> | 6 | 100 | 5 | 0,06 | 0,09621552 | 5 | 0,3698225 | 1,2 | 0,331043962 | 0,797082 | 9,25743E-07 | -0,0066835 |
| 83. | <i>Vitex peduncularis</i> | 19 | 100 | 9 | 0,19 | 0,30468249 | 9 | 0,6656805 | 2,11111111 | 0,582392155 | 1,552755 | 9,28314E-06 | -0,0176523 |
| 84. | <i>Woodfordia fruticosa</i> | 2 | 100 | 1 | 0,02 | 0,03207184 | 1 | 0,0739645 | 2 | 0,551739937 | 0,657776 | 1,0286E-07 | -0,0025802 |

| | | | | | | | | | | | | | |
|------|---------------------------------|-------------|-----|----|--------------|------------|-------------|------------|------------------|-------------|------------|--------------------|-------------------|
| 85. | <i>Grewia serrulata</i> | 45 | 100 | 15 | 0,45 | 0,72161642 | 15 | 1,1094675 | 3 | 0,827609905 | 2,658694 | 5,2073E-05 | -0,035586 |
| 86. | <i>Sterculia urens</i> | 6 | 100 | 3 | 0,06 | 0,09621552 | 3 | 0,2218935 | 2 | 0,551739937 | 0,869849 | 9,25743E-07 | -0,0066835 |
| 87. | <i>Suregada multiflora</i> | 19 | 100 | 7 | 0,19 | 0,30468249 | 7 | 0,5177515 | 2,71428571 | 0,748789914 | 1,571224 | 9,28314E-06 | -0,0176523 |
| 88. | <i>Leea asiatica</i> | 2 | 100 | 1 | 0,02 | 0,03207184 | 1 | 0,0739645 | 2 | 0,551739937 | 0,657776 | 1,0286E-07 | -0,0025802 |
| 89. | <i>Flemingia macrophylla</i> | 12 | 100 | 7 | 0,12 | 0,19243105 | 7 | 0,5177515 | 1,71428571 | 0,472919946 | 1,183102 | 3,70297E-06 | -0,0120331 |
| 90. | <i>Albizia lebeck</i> | 2 | 100 | 2 | 0,02 | 0,03207184 | 2 | 0,147929 | 1 | 0,275869968 | 0,455871 | 1,0286E-07 | -0,0025802 |
| 91. | <i>Cissampelos pareira</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 92. | <i>Cochlospermum religiosum</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 93. | <i>Olox scandens</i> | 1 | 100 | 1 | 0,01 | 0,01603592 | 1 | 0,0739645 | 1 | 0,275869968 | 0,36587 | 2,57151E-08 | -0,0014012 |
| 94. | <i>Gardenia latifolia</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 95. | <i>Lantana camara</i> | 5 | 100 | 2 | 0,05 | 0,0801796 | 2 | 0,147929 | 2,5 | 0,689674921 | 0,917784 | 6,42877E-07 | -0,0057157 |
| 96. | <i>Desmodium heterocarpon</i> | 4 | 100 | 3 | 0,04 | 0,06414368 | 3 | 0,2218935 | 1,33333333 | 0,367826624 | 0,653864 | 4,11441E-07 | -0,0047157 |
| 97. | <i>Catunaregam spinosa</i> | 2 | 100 | 2 | 0,02 | 0,03207184 | 2 | 0,147929 | 1 | 0,275869968 | 0,455871 | 1,0286E-07 | -0,0025802 |
| 98. | <i>Mallotus philippensis</i> | 22 | 100 | 9 | 0,22 | 0,35279025 | 9 | 0,6656805 | 2,44444444 | 0,674348812 | 1,69282 | 1,24461E-05 | -0,0199222 |
| 99. | <i>Cayratia pedata</i> | 4 | 100 | 4 | 0,04 | 0,06414368 | 4 | 0,295858 | 1 | 0,275869968 | 0,635872 | 4,11441E-07 | -0,0047157 |
| 100. | <i>Leea indica</i> | 26 | 100 | 11 | 0,26 | 0,41693393 | 11 | 0,8136095 | 2,36363636 | 0,652056289 | 1,8826 | 1,73834E-05 | -0,022848 |
| 101. | <i>Barleria prionitis</i> | 7 | 100 | 3 | 0,07 | 0,11225144 | 3 | 0,2218935 | 2,33333333 | 0,643696593 | 0,977842 | 1,26004E-06 | -0,0076243 |
| 102. | <i>Kydia calycina</i> | 71 | 100 | 17 | 0,71 | 1,13855035 | 17 | 1,2573964 | 4,17647059 | 1,152162809 | 3,54811 | 0,00012963 | -0,0509548 |
| 103. | <i>Sterculia villosa</i> | 2 | 100 | 2 | 0,02 | 0,03207184 | 2 | 0,147929 | 1 | 0,275869968 | 0,455871 | 1,0286E-07 | -0,0025802 |
| 104. | <i>Pavetta indica</i> | 2 | 100 | 1 | 0,02 | 0,03207184 | 1 | 0,0739645 | 2 | 0,551739937 | 0,657776 | 1,0286E-07 | -0,0025802 |
| 105. | <i>Symplocos racemosa</i> | 5 | 100 | 2 | 0,05 | 0,0801796 | 2 | 0,147929 | 2,5 | 0,689674921 | 0,917784 | 6,42877E-07 | -0,0057157 |
| 106. | <i>Tacca leontopetaloides</i> | 7 | 100 | 2 | 0,07 | 0,11225144 | 2 | 0,147929 | 3,5 | 0,965544889 | 1,225725 | 1,26004E-06 | -0,0076243 |
| 107. | <i>Tinospora cordifolia</i> | 8 | 100 | 3 | 0,08 | 0,12828736 | 3 | 0,2218935 | 2,66666667 | 0,735653249 | 1,085834 | 1,64576E-06 | -0,0085422 |
| 108. | <i>Gymnema sylvestre</i> | 17 | 100 | 6 | 0,17 | 0,27261065 | 6 | 0,443787 | 2,83333333 | 0,781631577 | 1,498029 | 7,43166E-06 | -0,0160973 |
| 109. | <i>Unknown Poaceae</i> | 135 | 100 | 5 | 1,35 | 2,16484926 | 5 | 0,3698225 | 27 | 7,448489146 | 9,983161 | 0,000468657 | -0,0829748 |
| | Total | 6236 | | | 62,36 | 100 | 1352 | 100 | 362,48962 | 100 | 300 | 0,036530938 | -3,7713689 |

Simpson index = **0.03653093**, i.e. concentration of dominance of species.

Shanon-weiner index = **3.7713689**, i.e. measure of species diversity.

1.6.3 Herb Data Analysis

| Sl.no | Plant scientific name | Total number of individuals of a species in all the quadrant | Total number of quadrat studied | Number of quadrants in which the species has occurred | Density (D) | Relative Density (RD) | Frequency (F) | Relative Frequency (RF) | Abundance (A) | Relative Abundance (RA) | IVI | pi2 | pinpi |
|-------|----------------------------------|--------------------------------------------------------------|---------------------------------|-------------------------------------------------------|-------------|-----------------------|---------------|-------------------------|---------------|-------------------------|-------------|-----------|--------------|
| 01. | <i>Shorea robusta</i> | 205 | 125 | 45 | 1,64 | 6,15430802 | 36 | 5,548705302 | 4,55555556 | 1,53048239 | 13,2334957 | 0,0037876 | -0,171583207 |
| 02. | <i>Cheilocostus speciosus</i> | 11 | 125 | 6 | 0,088 | 0,33023116 | 4,8 | 0,739827374 | 1,83333333 | 0,61592584 | 1,685984374 | 1,091E-05 | -0,018866544 |
| 03. | <i>Vitex altissima</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 04. | <i>Vitex peduncularis</i> | 4 | 125 | 3 | 0,032 | 0,12008406 | 2,4 | 0,369913687 | 1,33333333 | 0,44794606 | 0,93794381 | 1,442E-06 | -0,008075333 |
| 05. | <i>Allmania nodiflora</i> | 11 | 125 | 5 | 0,088 | 0,33023116 | 4 | 0,616522811 | 2,2 | 0,73911101 | 1,685864979 | 1,091E-05 | -0,018866544 |
| 06. | <i>Ventilago denticulata</i> | 4 | 125 | 2 | 0,032 | 0,12008406 | 1,6 | 0,246609125 | 2 | 0,6719191 | 1,03861228 | 1,442E-06 | -0,008075333 |
| 07. | <i>Dicliptera chinensis</i> | 28 | 125 | 6 | 0,224 | 0,84058841 | 4,8 | 0,739827374 | 4,66666667 | 1,56781123 | 3,148227011 | 7,066E-05 | -0,040170235 |
| 08. | <i>Cissus repanda</i> | 87 | 125 | 35 | 0,696 | 2,61182828 | 28 | 4,315659679 | 2,48571429 | 0,83509945 | 7,762587408 | 0,0006822 | -0,095204268 |
| 09. | <i>Scindapsus officinalis</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 10. | <i>Aristolochia indica</i> | 5 | 125 | 4 | 0,04 | 0,15010507 | 3,2 | 0,493218249 | 1,25 | 0,41994944 | 1,063272758 | 2,253E-06 | -0,009759216 |
| 11. | <i>Curculogo orchioides</i> | 223 | 125 | 44 | 1,784 | 6,69468628 | 35,2 | 5,42540074 | 5,06818182 | 1,70270407 | 13,82279109 | 0,0044819 | -0,181014681 |
| 12. | <i>Sida cordata</i> | 64 | 125 | 18 | 0,512 | 1,92134494 | 14,4 | 2,219482121 | 3,55555556 | 1,19452284 | 5,335349901 | 0,0003692 | -0,075934333 |
| 13. | <i>Commelina suffruticosa</i> | 260 | 125 | 59 | 2,08 | 7,80546382 | 47,2 | 7,274969174 | 4,40677966 | 1,4804997 | 16,5609327 | 0,0060925 | -0,199066351 |
| 14. | <i>Dioscorea pentaphylla</i> | 132 | 125 | 32 | 1,056 | 3,96277394 | 25,6 | 3,945745993 | 4,125 | 1,38583314 | 9,294353071 | 0,0015704 | -0,127927295 |
| 15. | <i>Dioscorea bulbifera</i> | 78 | 125 | 17 | 0,624 | 2,34163915 | 13,6 | 2,096177559 | 4,58823529 | 1,54146146 | 5,979278163 | 0,0005483 | -0,087912604 |
| 16. | <i>Dioscorea hispida</i> | 12 | 125 | 6 | 0,096 | 0,36025218 | 4,8 | 0,739827374 | 2 | 0,6719191 | 1,771998647 | 1,298E-05 | -0,020268224 |
| 17. | <i>Stephania japonica</i> | 41 | 125 | 18 | 0,328 | 1,2308616 | 14,4 | 2,219482121 | 2,27777778 | 0,76524119 | 4,215584917 | 0,0001515 | -0,054126595 |
| 18. | <i>Ampelocissus latifolia</i> | 131 | 125 | 45 | 1,048 | 3,93275293 | 36 | 5,548705302 | 2,91111111 | 0,97801557 | 10,4594738 | 0,0015467 | -0,127257219 |
| 19. | <i>Ichnocarpus frutescens</i> | 3 | 125 | 3 | 0,024 | 0,09006304 | 2,4 | 0,369913687 | 1 | 0,33595955 | 0,795936279 | 8,111E-07 | -0,006315595 |
| 20. | <i>Streblus asper</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 21. | <i>Azadirachta indica</i> | 5 | 125 | 4 | 0,04 | 0,15010507 | 3,2 | 0,493218249 | 1,25 | 0,41994944 | 1,063272758 | 2,253E-06 | -0,009759216 |
| 22. | <i>Flemingia macrophylla</i> | 4 | 125 | 4 | 0,032 | 0,12008406 | 3,2 | 0,493218249 | 1 | 0,33595955 | 0,949261856 | 1,442E-06 | -0,008075333 |
| 23. | <i>Lansea coromandelica</i> | 2 | 125 | 2 | 0,016 | 0,06004203 | 1,6 | 0,246609125 | 1 | 0,33595955 | 0,642610702 | 3,605E-07 | -0,004453846 |
| 24. | <i>Dioscorea oppositifolia</i> | 272 | 125 | 34 | 2,176 | 8,165716 | 27,2 | 4,192355117 | 8 | 2,68767639 | 15,0457475 | 0,0066679 | -0,204569622 |
| 25. | <i>Cajanus scarabaeoides</i> | 57 | 125 | 22 | 0,456 | 1,71119784 | 17,6 | 2,71270037 | 2,59090909 | 0,87044065 | 5,294338856 | 0,0002928 | -0,069611127 |
| 26. | <i>Anisomeles indica</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 27. | <i>Hemidesmus indicus</i> | 43 | 125 | 11 | 0,344 | 1,29090363 | 8,8 | 1,356350185 | 3,90909091 | 1,31329642 | 3,960550234 | 0,0001666 | -0,056152084 |
| 28. | <i>Cyperus sp</i> | 62 | 125 | 11 | 0,496 | 1,86130291 | 8,8 | 1,356350185 | 5,63636364 | 1,89359018 | 5,111243278 | 0,0003464 | -0,074152325 |
| 29. | <i>Clerodendrum infortunatum</i> | 2 | 125 | 2 | 0,016 | 0,06004203 | 1,6 | 0,246609125 | 1 | 0,33595955 | 0,642610702 | 3,605E-07 | -0,004453846 |
| 30. | <i>Polygala arvensis</i> | 13 | 125 | 6 | 0,104 | 0,39027319 | 4,8 | 0,739827374 | 2,16666667 | 0,72791235 | 1,85801292 | 1,523E-05 | -0,021644857 |
| 31. | <i>Phyllodium pulchellum</i> | 48 | 125 | 20 | 0,384 | 1,44100871 | 16 | 2,466091245 | 2,4 | 0,80630292 | 4,713402867 | 0,0002077 | -0,061096274 |
| 32. | <i>Leucas angularis</i> | 20 | 125 | 8 | 0,16 | 0,60042029 | 6,4 | 0,986436498 | 2,5 | 0,83989887 | 2,426755663 | 3,605E-05 | -0,030713273 |
| 33. | <i>Andrographis paniculata</i> | 38 | 125 | 15 | 0,304 | 1,14079856 | 12 | 1,849568434 | 2,53333333 | 0,85109752 | 3,841464515 | 0,0001301 | -0,051032958 |

| | | | | | | | | | | | | | |
|-----|-------------------------------|-----|-----|----|-------|------------|------|-------------|------------|------------|-------------|-----------|--------------|
| 34. | <i>Cyanotis tuberosa</i> | 37 | 125 | 15 | 0,296 | 1,11077754 | 12 | 1,849568434 | 2,46666667 | 0,82870022 | 3,789046197 | 0,0001234 | -0,049986211 |
| 35. | <i>Asparagus officinalis</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 36. | <i>Lygodium sp.</i> | 11 | 125 | 9 | 0,088 | 0,33023116 | 7,2 | 1,10974106 | 1,22222222 | 0,41061723 | 1,850589448 | 1,091E-05 | -0,018866544 |
| 37. | <i>Oplismenus burmannii</i> | 70 | 125 | 14 | 0,56 | 2,10147103 | 11,2 | 1,726263872 | 5 | 1,67979774 | 5,507532643 | 0,0004416 | -0,081170004 |
| 38. | <i>Phyllanthus niruri</i> | 31 | 125 | 10 | 0,248 | 0,93065146 | 8 | 1,233045623 | 3,1 | 1,0414746 | 3,205171678 | 8,661E-05 | -0,043526947 |
| 39. | <i>Pseudarthria viscida</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 40. | <i>Panicum notatum</i> | 103 | 125 | 24 | 0,824 | 3,09216452 | 19,2 | 2,959309494 | 4,29166667 | 1,44182639 | 7,493300404 | 0,0009561 | -0,107492879 |
| 41. | <i>Azadirachta indica</i> | 10 | 125 | 4 | 0,08 | 0,30021015 | 3,2 | 0,493218249 | 2,5 | 0,83989887 | 1,633327267 | 9,013E-06 | -0,017437535 |
| 42. | <i>Triumfetta rhomboidea</i> | 21 | 125 | 10 | 0,168 | 0,63044131 | 8 | 1,233045623 | 2,1 | 0,70551505 | 2,569001983 | 3,975E-05 | -0,031941343 |
| 43. | <i>Aegle marmelos</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 44. | <i>Cynodon dactylon</i> | 18 | 125 | 3 | 0,144 | 0,54037826 | 2,4 | 0,369913687 | 6 | 2,01575729 | 2,926049241 | 2,92E-05 | -0,028211291 |
| 45. | <i>Hybanthus enneaspermus</i> | 27 | 125 | 7 | 0,216 | 0,8105674 | 5,6 | 0,863131936 | 3,85714286 | 1,29584397 | 2,969543305 | 6,57E-05 | -0,039030368 |
| 46. | <i>Scleria lithosperma</i> | 254 | 125 | 14 | 2,032 | 7,62533774 | 11,2 | 1,726263872 | 18,1428571 | 6,09526609 | 15,4468677 | 0,0058146 | -0,196252827 |
| 47. | <i>Lepidagathis incurva</i> | 16 | 125 | 8 | 0,128 | 0,48033624 | 6,4 | 0,986436498 | 2 | 0,6719191 | 2,13869183 | 2,307E-05 | -0,025642457 |
| 48. | <i>Evolvulus nummularius</i> | 35 | 125 | 11 | 0,28 | 1,05073551 | 8,8 | 1,356350185 | 3,18181818 | 1,0689622 | 3,476047899 | 0,0001104 | -0,047868145 |
| 49. | <i>Byttneria herbacea</i> | 31 | 125 | 10 | 0,248 | 0,93065146 | 8 | 1,233045623 | 3,1 | 1,0414746 | 3,205171678 | 8,661E-05 | -0,043526947 |
| 50. | <i>Ardisia solanacea</i> | 6 | 125 | 4 | 0,048 | 0,18012609 | 3,2 | 0,493218249 | 1,5 | 0,50393932 | 1,17728366 | 3,245E-06 | -0,011382651 |
| 51. | <i>Alangium salviifolium</i> | 3 | 125 | 2 | 0,024 | 0,09006304 | 1,6 | 0,246609125 | 1,5 | 0,50393932 | 0,840611491 | 8,111E-07 | -0,006315595 |
| 52. | <i>Eragrostis tenella</i> | 19 | 125 | 2 | 0,152 | 0,57039928 | 1,6 | 0,246609125 | 9,5 | 3,19161571 | 4,008624113 | 3,254E-05 | -0,029470186 |
| 53. | <i>Kydia calycina</i> | 18 | 125 | 9 | 0,144 | 0,54037826 | 7,2 | 1,10974106 | 2 | 0,6719191 | 2,322038422 | 2,92E-05 | -0,028211291 |
| 54. | <i>Spermacoce articularis</i> | 6 | 125 | 2 | 0,048 | 0,18012609 | 1,6 | 0,246609125 | 3 | 1,00787864 | 1,434613858 | 3,245E-06 | -0,011382651 |
| 55. | <i>Eulalia conjugata</i> | 23 | 125 | 1 | 0,184 | 0,69048334 | 0,8 | 0,123304562 | 23 | 7,72706961 | 8,540857512 | 4,768E-05 | -0,034355231 |
| 56. | <i>Rungia pectinata</i> | 5 | 125 | 1 | 0,04 | 0,15010507 | 0,8 | 0,123304562 | 5 | 1,67979774 | 1,953207377 | 2,253E-06 | -0,009759216 |
| 57. | <i>Grewia hirsuta</i> | 37 | 125 | 10 | 0,296 | 1,11077754 | 8 | 1,233045623 | 3,7 | 1,24305033 | 3,586873496 | 0,0001234 | -0,049986211 |
| 58. | <i>Urena lobata</i> | 10 | 125 | 6 | 0,08 | 0,30021015 | 4,8 | 0,739827374 | 1,66666667 | 0,55993258 | 1,599970101 | 9,013E-06 | -0,017437535 |
| 59. | <i>Cheilanthes distans</i> | 49 | 125 | 13 | 0,392 | 1,47102972 | 10,4 | 1,602959309 | 3,76923077 | 1,26630907 | 4,340298097 | 0,0002164 | -0,062065797 |
| 60. | <i>Desmodium velutinum</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 61. | <i>Mitracarpus hirtus</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 62. | <i>Poa sp</i> | 203 | 125 | 21 | 1,624 | 6,09426599 | 16,8 | 2,589395808 | 9,66666667 | 3,24760897 | 11,93127076 | 0,003714 | -0,170506706 |
| 63. | <i>Desmodium prostratum</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 64. | <i>Phyllanthus simplex</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 65. | <i>Tacca leontopetaloides</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 66. | <i>Desmodium heterocarpon</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |

| | | | | | | | | | | | | | |
|-----|---------------------------------|-------------|-----|----|---------------|------------|--------------|-------------|-------------------|------------|-------------|------------------|---------------------|
| 67. | <i>Symplocos racemosa</i> | 5 | 125 | 2 | 0,04 | 0,15010507 | 1,6 | 0,246609125 | 2,5 | 0,83989887 | 1,236613069 | 2,253E-06 | -0,009759216 |
| 68. | <i>Adiantum sp</i> | 112 | 125 | 13 | 0,896 | 3,36235365 | 10,4 | 1,602959309 | 8,61538462 | 2,89442072 | 7,859733681 | 0,0011305 | -0,114068821 |
| 69. | <i>Cissampelos pareira</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 70. | <i>Azanza lampas</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 71. | <i>Chromolaena odorata</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 72. | <i>Barleria cristata</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 73. | <i>Drimia indica</i> | 18 | 125 | 4 | 0,144 | 0,54037826 | 3,2 | 0,493218249 | 4,5 | 1,51181797 | 2,545414481 | 2,92E-05 | -0,028211291 |
| 74. | <i>Commelina erecta</i> | 6 | 125 | 3 | 0,048 | 0,18012609 | 2,4 | 0,369913687 | 2 | 0,6719191 | 1,221958872 | 3,245E-06 | -0,011382651 |
| 75. | <i>Aeginetia indica</i> | 118 | 125 | 20 | 0,944 | 3,54247974 | 16 | 2,466091245 | 5,9 | 1,98216134 | 7,990732316 | 0,0012549 | -0,118330981 |
| 76. | <i>Cyanotis axillaris</i> | 6 | 125 | 2 | 0,048 | 0,18012609 | 1,6 | 0,246609125 | 3 | 1,00787864 | 1,434613858 | 3,245E-06 | -0,011382651 |
| 77. | <i>Asparagus officinalis</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 78. | <i>Knoxia sumatrensis</i> | 11 | 125 | 6 | 0,088 | 0,33023116 | 4,8 | 0,739827374 | 1,83333333 | 0,61592584 | 1,685984374 | 1,091E-05 | -0,018866544 |
| 79. | <i>Flemingia nana</i> | 3 | 125 | 2 | 0,024 | 0,09006304 | 1,6 | 0,246609125 | 1,5 | 0,50393932 | 0,840611491 | 8,111E-07 | -0,006315595 |
| 80. | <i>Ruellia prostrata</i> | 11 | 125 | 6 | 0,088 | 0,33023116 | 4,8 | 0,739827374 | 1,83333333 | 0,61592584 | 1,685984374 | 1,091E-05 | -0,018866544 |
| 81. | <i>Cayratia pedata</i> | 3 | 125 | 2 | 0,024 | 0,09006304 | 1,6 | 0,246609125 | 1,5 | 0,50393932 | 0,840611491 | 8,111E-07 | -0,006315595 |
| 82. | <i>Albizia procera</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 83. | <i>Pterocarpus marsupium</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 84. | <i>Randia spinosa</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 85. | <i>Teramnus labialis</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 86. | <i>Croton persimilis</i> | 5 | 125 | 2 | 0,04 | 0,15010507 | 1,6 | 0,246609125 | 2,5 | 0,83989887 | 1,236613069 | 2,253E-06 | -0,009759216 |
| 87. | <i>Habenaria plantaginea</i> | 5 | 125 | 4 | 0,04 | 0,15010507 | 3,2 | 0,493218249 | 1,25 | 0,41994944 | 1,063272758 | 2,253E-06 | -0,009759216 |
| 88. | <i>Globba rahmanii</i> | 35 | 125 | 7 | 0,28 | 1,05073551 | 5,6 | 0,863131936 | 5 | 1,67979774 | 3,593665192 | 0,0001104 | -0,047868145 |
| 89. | <i>Biophytum sensitivum</i> | 26 | 125 | 7 | 0,208 | 0,78054638 | 5,6 | 0,863131936 | 3,71428571 | 1,24784975 | 2,891528069 | 6,093E-05 | -0,03787938 |
| 90. | <i>Zingiber montanum</i> | 5 | 125 | 2 | 0,04 | 0,15010507 | 1,6 | 0,246609125 | 2,5 | 0,83989887 | 1,236613069 | 2,253E-06 | -0,009759216 |
| 91. | <i>Ixora pavetta</i> | 4 | 125 | 3 | 0,032 | 0,12008406 | 2,4 | 0,369913687 | 1,33333333 | 0,44794606 | 0,93794381 | 1,442E-06 | -0,008075333 |
| 92. | <i>Lagerstroemia parviflora</i> | 3 | 125 | 1 | 0,024 | 0,09006304 | 0,8 | 0,123304562 | 3 | 1,00787864 | 1,221246251 | 8,111E-07 | -0,006315595 |
| 93. | <i>Polygala javana</i> | 11 | 125 | 3 | 0,088 | 0,33023116 | 2,4 | 0,369913687 | 3,66666667 | 1,23185168 | 1,931996526 | 1,091E-05 | -0,018866544 |
| 94. | <i>Barleria prionitis</i> | 2 | 125 | 1 | 0,016 | 0,06004203 | 0,8 | 0,123304562 | 2 | 0,6719191 | 0,855265688 | 3,605E-07 | -0,004453846 |
| 95. | <i>Flacourtia indica</i> | 1 | 125 | 1 | 0,008 | 0,03002101 | 0,8 | 0,123304562 | 1 | 0,33595955 | 0,489285125 | 9,013E-08 | -0,002435013 |
| 96. | <i>Setaria barbata</i> | 3 | 125 | 1 | 0,024 | 0,09006304 | 0,8 | 0,123304562 | 3 | 1,00787864 | 1,221246251 | 8,111E-07 | -0,006315595 |
| | Total | 3331 | | | 26,648 | 100 | 648,8 | 100 | 297,654883 | 100 | 300 | 0,0418311 | -3,582672841 |

Simpson index = **0.0418311**, i.e. concentration of dominance of species.

Shanon-weiner index= **3.582672841**, i.e. measure of species diversity.

1.6.4 List of Climbers, Lianus, Stem Parasitise, Ground Orchids and Epiphytes

| Plants Name | Family |
|-------------------------------------------------------|------------------|
| 01. <i>Aristolochia indica</i> | Aristolochiaceae |
| 02. <i>Hemidesmus indicus</i> | Apocynaceae |
| 03. <i>Erycibe paniculata</i> | Convolvulaceae |
| 04. <i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> | Fabaceae |
| 05. <i>Spatholobus parviflorus</i> | Fabaceae |
| 06. <i>Smilax zeylanica</i> | Smilacaceae |
| 07. <i>Combretum decandrum</i> | Combretaceae |
| 08. <i>Asparagus officinalis</i> | Asparagaceae |
| 09. <i>Gymnema sylvestre</i> | Apocynaceae |
| 10. <i>Tinospora cordifolia</i> | Menispermaceae |
| 11. <i>Ampelocissus latifolia</i> | Vitaceae |
| 12. <i>Dioscoria pentaphylla</i> | Dioscoriaceae |
| 13. <i>Tylophora indica</i> | Apocynaceae |
| 14. <i>Millettia extensa</i> | Fabaceae |
| 15. <i>Cissus repanda</i> | Vitaceae |
| 16. <i>Dendrophoe fulcuta</i> | Loranthaceae |
| 17. <i>Viscum album</i> | Santalaceae |
| 18. <i>Viscum articulatum</i> | Santalaceae |
| 19. <i>Vanda roxburghii</i> | Orchidaceae |
| 20. <i>Habenaria plantaginea</i> | Orchidaceae |
| 21. <i>Ventilago denticulata</i> | Rhamnaceae |
| 22. <i>Cajanus scarabaeoides</i> | Fabaceae |
| 23. <i>Lygodium flexuosum</i> | Lygodiaceae |
| 24. <i>Geodorum densiflorum</i> | Orchidaceae |
| 25. <i>Beutea superva</i> | Fabaceae |
| 26. <i>Luffa aegyptiaca</i> | Cucurbitaceae |
| 27. <i>Dioscorea villosa</i> | Dioscoriaceae |
| 28. <i>Dioscorea bulbifera</i> | Dioscoriaceae |
| 29. <i>Coccinia grandis</i> | Cucurbitaceae |
| 30. <i>Ichnocarpus frutescens</i> | Apocynaceae |
| 31. <i>Carissa spinarum</i> | Apocynaceae |
| 32. <i>Teramnus labialis</i> | Fabaceae |
| 33. <i>Scindapsus officinalis</i> | Araceae |
| 34. <i>Stephania japonica</i> | Menispermaceae |
| 35. <i>Mucuna pruriens</i> | Fabaceae |
| 36. <i>Cuscuta reflexa</i> | Convolvulaceae |
| 37. <i>Dioscorea oppositifolia</i> | Dioscoriaceae |
| 38. <i>Dioscorea hispida</i> | Dioscoriaceae |
| 39. <i>Cissampelos pareira</i> | Menispermaceae |
| 40. <i>Olox scandens</i> | Oloxaceae |
| 41. <i>Ceropegia sp</i> | Apocynaceae |
| 42. <i>Aeginetia indica</i> | Orobanchaceae |

1.6.5 Herbarium Index of Susunia MPCA

| Sl.no. | Tag no. | Plant scientific Name | Common name/Local Name/ Vernacular name | Family |
|--------|---------|---------------------------------|-----------------------------------------|----------------|
| 01. | 22 | <i>Globba rahmanii</i> | | Zingiberaceae |
| 02. | 20 | <i>Zingiber montanum</i> | | Zingiberaceae |
| 03. | 18 | <i>Habenaria plantaginea</i> | | Orchidaceae |
| 04. | 12 | <i>Tacca leontopetaloides</i> | | Dioscoreaceae |
| 05. | 1 | <i>Byttneria herbacea</i> | | Malvaceae |
| 06. | 8 | <i>Lagerstroemia parviflora</i> | Sidha | Lythraceae |
| 07. | 3 | <i>Holarrhena pubescens</i> | Kurchi | Apocynaceae |
| 08. | 10 | <i>Erycibe paniculata</i> | Karilata | Convolvulaceae |
| 09. | 2 | <i>Tamilnadia uliginosa</i> | | Rubiaceae |
| 10.. | 9 | <i>Gardenia gummifera</i> | Vudru/Korhor | Rubiaceae |
| 11. | 19 | <i>Smilax zeylanica</i> | Kumarika | Smilacaceae |
| 12. | 14 | <i>Dendrolobium triangulare</i> | | Fabaceae |
| 13. | 5 | <i>Cochlospermum religiosum</i> | Sonali Shimul | Bixaceae |



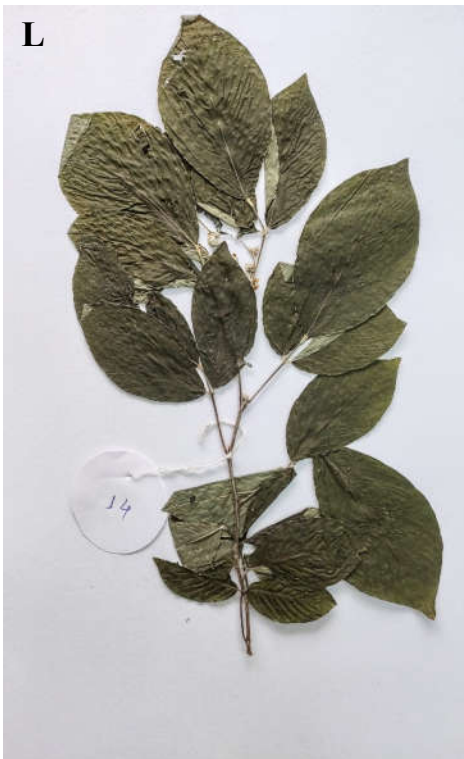
A. *Globba rahmanii*



B. *Zingiber montanum*. C. *Habenaria plantaginea*. D. *Tacca leontopetaloides*. E. *Byttneria herbacea*



F. *Lagerstroemia parviflora*, G. *Holarrhena pubescens*, H. *Erycibe paniculata*, I. *Tamilnadia uliginosa*.



J. *Gardenia gummifera*, K. *Smilax zeylanica*., L. *Dendrolobium triangulare*., M. *Cochlospermum religiosum*

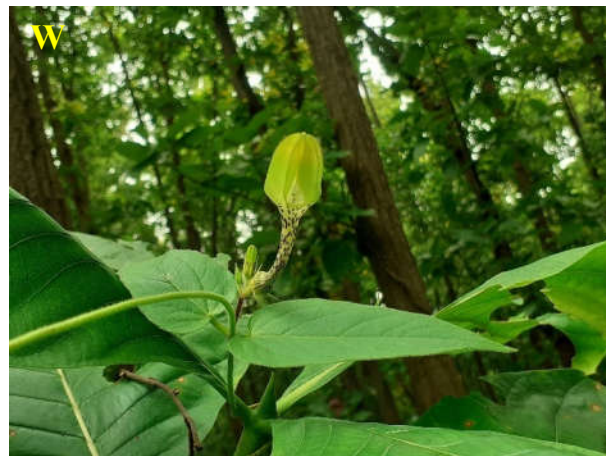
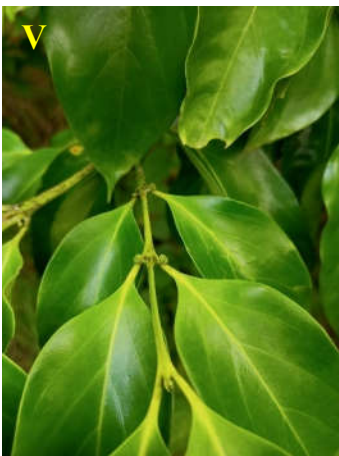
1.7 Representative Photographs of Data Collection at Susunia MPCA



A. Group photograph during data collection, B-D. Data collection & Quadrata study, E. Group photograph during data collection.



F. Group photograph during data collection, G. *Byttneria herbacea*, H. *Allmania nodiflora*, I. *Asparagus officinalis*, J. *Smilax zeylanica*, K. *Lygodium sp.*, L. *Diospyros sylvatica*, M. *Teramnus labialis*, N. *Grewia hirsute*.



O. *Helicteres isora*., P. *Aeginetia indica*., Q. *Tacca leontopetaloides*., R. *Leucas angularis*., S. *Ichnocarpus frutescens*., T. *Phyllodium pulchellum*., U. *Cuscuta reflexa*., V. *Psyrax dicoccos*., W. *Ceropegia* sp., X. *Habenaria plantaginea*.

1.8 Floral Inventorisation Field Data Sheets

Field Data Sheet - 1A

Date & Time: 22/08/2022, 01:42 pm

Grid No.:246

Name of the site: Siulibana

Plot no.: 1A

Layer: Trees

Latitude: 23°23'47.449" N

Longitude: 86°59'37.657" E

Altitude: 413 ft

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-------------------------------------------|------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 28 | 50/15,71/17, 60/18, 69/19, 50/17.5, 64/18, 44/16, 71/21, 40/12, 42/8, 71/24, 40/12, 68/19, 44/13, 70/17,49/13,73/16, 68/17, 53/11, 68/19, 60/15, 68/16, 82/22, 67/19,48/15, 60/15, 61/17, 50/17 |
| 02. | <i>Aegle marmelos</i> | Rutaceae | 1 | 54/14 |
| 03. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 1 | 40/9 |
| 04. | <i>Madhuca longifolia</i> (Mahua) | Sapotaceae | 2 | 44/10, 40/9 |
| 05. | <i>Semecarpus anacardium</i> (Velai) | Anacardiaceae | 2 | 31/9,27/6 |

Layer: Shrubs, Sapling & Climbers

| 1AS1 | | | | 1AS2 | | | |
|-------|-------------------------------------------|------------------|------|-------|-------------------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Tylophora indica</i> | Apocynaceae | 1 | 01. | <i>Holarrhena pubescens</i> (Kurchi) | Apocynaceae | 5 |
| 02. | <i>Cajanus scarabaeoides</i> | Fabaceae | 4 | 02. | <i>Terminalia alata</i> (Asan) | Combretaceae | 1 |
| 03. | <i>Diospyros melanoxylon</i> (Kendu) | Ebenaceae | 2 | 03. | <i>Meyna laxiflora</i> (Maina kanta) | Rubiaceae | 4 |
| 04. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 3 | 04. | <i>Ichnocarpus frutescens</i> (Shyاملata) | Apocynaceae | 4 |
| 05. | <i>Holarrhena pubescens</i> (Kurchi) | Apocynaceae | 18 | 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 5 |
| 06. | <i>Terminalia alata</i> (Asan) | Combretaceae | 2 | 06. | <i>Flacourtia indica</i> | Salicaceae | 3 |
| 07. | <i>Meyna laxiflora</i> (Maina kanta) | Rubiaceae | 2 | 07. | <i>Shorea robusta</i> | Dipterocarpaceae | 3 |
| 08. | <i>Ichnocarpus frutescens</i> (Shyاملata) | Apocynaceae | 6 | 08. | <i>Casearia graveolens</i> | Salicaceae | 1 |
| 09. | <i>Shorea robusta</i> | Dipterocarpaceae | 8 | 09. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 10. | <i>Semecarpus anacardium</i> | Anacardiaceae | 4 | 10. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 |
| 11. | <i>Lannea coromandelica</i> | Anacardiaceae | 9 | 11. | <i>Ixora pavetta</i> | Rubiaceae | 1 |
| 12. | <i>Ixora pavetta</i> | Rubiaceae | 5 | 12. | <i>Grewia hirsute</i> | Malvaceae | 3 |
| 13. | <i>Polyalthia suberosa</i> | Annonaceae | 6 | 13. | <i>Ampelocissus latifolia</i> | Vitaceae | 9 |
| 14. | <i>Grewia hirsute</i> | Malvaceae | 7 | 14. | <i>Carissa spinarum</i> | Apocynaceae | 1 |
| 15. | <i>Ampelocissus latifolia</i> | Vitaceae | 13 | 15. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 2 |
| 16. | <i>Smilax ovalifolia</i> | Smilacaceae | 7 | 16. | <i>Asparagus officinalis</i> (Satamuli) | Asparagaceae | 3 |

| | | | | | | | |
|-----|---------------------------------------------|---------------|----|-----|------------------------------|---------------|----|
| 17. | <i>Catunaregam spinosa</i> | Rubiaceae | 4 | 17. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 30 |
| 18. | <i>Nyctanthes arbor-tristis</i> (Shiuli) | Oleaceae | 4 | 18. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 11 |
| 19. | <i>Asparagus officinalis</i> (Satamuli) | Asparagaceae | 3 | 19. | <i>Phyllodium pulchellum</i> | Fabaceae | 7 |
| 20. | <i>Terminalia chebula</i> (Haritaki) | Combretaceae | 1 | 20. | <i>Miliusa velutina</i> | Annonaceae | 3 |
| 21. | <i>Phyllodium pulchellum</i> | Fabaceae | 16 | 21. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 22. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 8 | | | | |
| 23. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | | | | |
| 24. | <i>Miliusa velutina</i> | Annonaceae | 1 | | | | |

| 1AS3 | | | | 1AS4 | | | |
|-------|----------------------------------------------|------------------|------|-------|----------------------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 8 | 01. | <i>Holarrhena pubescens</i> (Kurchi) | Apocynaceae | 19 |
| 02. | <i>Erycibe paniculata</i> | Convolvulaceae | 3 | 02. | <i>Terminalia alata</i> (Asan) | Combretaceae | 3 |
| 03. | <i>Diospyros melanoxylon</i> (Kendu) | Ebenaceae | 7 | 03. | <i>Meyna laxiflora</i> (Maina kanta) | Rubiaceae | 4 |
| 04. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 6 | 04. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 9 |
| 05. | <i>Holarrhena pubescens</i> (Kurchi) | Apocynaceae | 5 | 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 06. | <i>Anogeissus latifolia</i> | Combretaceae | 2 | 06. | <i>Madhuca longifolia</i> | Sapotaceae | 1 |
| 07. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 2 | 07. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 |
| 08. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 7 | 08. | <i>Anogeissus latifolia</i> | Combretaceae | 1 |
| 09. | <i>Shorea robusta</i> | Dipterocarpaceae | 5 | 09. | <i>Lygodium flexuosum</i> | Lygodiaceae | 3 |
| 10. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 3 | 10. | <i>Lannea coromandelica</i> | Anacardiaceae | 7 |
| 11. | <i>Lannea coromandelica</i> | Anacardiaceae | 5 | 11. | Tylophora indica | Apocynaceae | 7 |
| 12. | <i>Syzygium cumini</i> | Myrtaceae | 2 | 12. | <i>Grewia hirsute</i> | Malvaceae | 4 |
| 13. | <i>Spatholobus parviflorus</i> | Fabaceae | 2 | 13. | <i>Ampelocissus latifolia</i> | Vitaceae | 7 |
| 14. | <i>Grewia hirsute</i> | Malvaceae | 5 | 14. | Cajanus scarabaeoides | Fabaceae | 5 |
| 15. | <i>Ampelocissus latifolia</i> | Vitaceae | 15 | 15. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 2 |
| 16. | <i>Smilax ovalifolia</i> | Smilacaceae | 4 | 16. | <i>Asparagus officinalis</i> (Satamuli) | Asparagaceae | 2 |
| 17. | <i>Casearia graveolens</i> | Salicaceae | 1 | 17. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 9 |
| 18. | <i>Nyctanthes arbor-tristis</i> (Shiuli) | Oleaceae | 2 | 18. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 19. | <i>Asparagus officinalis</i> (Satamuli) | Asparagaceae | 4 | 19. | <i>Phyllodium pulchellum</i> | Fabaceae | 9 |
| 20. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 20. | <i>Diospyros melanoxylon</i> (Kendu) | Ebenaceae | 6 |
| 21. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 18 | 21. | <i>Stephania japonica</i> | Menispermaceae | 2 |
| 22. | Tylophora indica | Apocynaceae | 3 | 22. | <i>Polyalthia suberosa</i> | Annonaceae | 2 |
| | | | | 23. | <i>Semecarpus anacardium</i> | Anacardiaceae | 2 |
| | | | | 24. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 |

Seedling & Herb

| 1AH1- 23°23'52.126"N, 86°59'39.666"E | | | | 1AH2- 23°23'51.810"N, 86°59'38.938"E | | | |
|---------------------------------------------|----------------------------------------------|------------------|------|---------------------------------------------|-------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 | 01. | <i>Cheilocostus speciosus</i> | Costaceae | 1 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 | 02. | <i>Vitex altissima</i> | Lamiaceae | 2 |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 | 03. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 |
| 04. | <i>Dioscorea hispida</i> | Dioscoreaceae | 1 | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 05. | <i>Stephania japonica</i> | Menispermaceae | 2 | 05. | <i>Dioscorea hispida</i> | Dioscoreaceae | 3 |
| 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 |
| 07. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 1 | 1AH4- 23°23'51.354"N, 86°59'39.624"E | | | |
| 08. | <i>Streblus asper</i> | Moraceae | 1 | S.No. | Plant Scientific Name | Family | Nos. |
| 09. | <i>Azadirachta indica</i> | Meliaceae | 2 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 10. | <i>Shorea robusta</i> | Dipterocarpaceae | 1 | 02. | <i>Allmania nodiflora</i> | Amaranthaceae | 2 |
| 1AH3- 23°23'51.223"N, 86°59'39.167"E | | | | 03. | <i>Ventilago denticulata</i> | Rhamnaceae | 1 |
| S.No. | Plant Scientific Name | Family | Nos. | 04. | <i>Dicliptera chinensis</i> | Acanthaceae | 3 |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 1AH5- 23°23'51.748"N, 86°59'39.289"E | | | |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | S.No. | Plant Scientific Name | Family | Nos. |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 5 |
| 04. | <i>Dioscorea hispida</i> | Dioscoreaceae | 1 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 05. | <i>Stephania japonica</i> | Menispermaceae | 1 | 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 |
| 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 04. | <i>Azadirachta indica</i> | Meliaceae | 1 |
| 07. | | | | 05. | <i>Dicliptera chinensis</i> | Acanthaceae | 3 |
| | | | | 06. | <i>Allmania nodiflora</i> | Amaranthaceae | 2 |

Field Data Sheet - 1B

Date & Time: 22/08/2022, 03:15 pm

Grid No.: 246/241

Name of the site: Siulibana

Plot no.: 1B

Layer: Trees

Latitude: 23°23'47.071"N

Longitude: 86°59'40.348"E

Altitude: 401 ft

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-------------------------------------------|------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 36 | 63/19, 45/12, 80/26, 43/11, 55/14, 73/22, 60/18, 38/15, 78/24, 70/25, 41/18, 58/21, 59/22, 63/20, 78/23, 57/19, 51/18, 63/21, 42/15, 37/13, 79/26, 52/17, 48/20, 54/19, 62/23, 67/25, 68/26, 65/27, 79/26, 73/27, 50/21, 59/18, 58/23, 49/19, 46/17, 50/25 |
| 02. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 2 | 53/11, 35/9 |

Layer: Shrubs, Sapling & Climbers

| 1BS1 | | | | 1BS2 | | | |
|-------|------------------------------------------|----------------|------|-------|-------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Tylophora indica</i> | Apocynaceae | 2 | 01. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 2 |
| 02. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 3 | 02. | <i>Syzygium cumini</i> | Myrtaceae | 2 |
| 03. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 15 | 03. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 04. | <i>Terminalia alata</i> (Asan) | Combretaceae | 2 | 04. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 3 |
| 05. | <i>Meyna laxiflora</i> (Maina kanta) | Rubiaceae | 2 | 05. | <i>Croton persimilis</i> | Euphorbiaceae | 8 |
| 06. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 4 | 06. | <i>Erycibe paniculata.</i> | Convolvulaceae | 2 |
| 07. | <i>Azanza lampas</i> | Malvaceae | 2 | 07. | <i>Ampelocissus latifolia</i> | Vitaceae | 18 |
| 08. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 08. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 09. | <i>Croton persimilis</i> | Euphorbiaceae | 17 | 09. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 48 |
| 10. | <i>Erycibe paniculata.</i> | Convolvulaceae | 4 | 10. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 73 |
| 11. | <i>Cissus repanda</i> | Vitaceae | 3 | 11. | <i>Scindapsus officinalis</i> | Araceae | 27 |
| 12. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 29 | 12. | <i>Milium velutina</i> | Annonaceae | 1 |
| 13. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 35 | | | | |
| 14. | <i>Scindapsus officinalis</i> | Araceae | 16 | | | | |

Layer: Shrubs, Sapling & Climbers

| 1BS3 | | | | 1BS4 | | | |
|-------|-----------------------------------------|----------------|------|-------|-------------------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 2 | 01. | <i>Tylophora indica</i> | Apocynaceae | 2 |
| 02. | <i>Syzygium cumini</i> | Myrtaceae | 1 | 02. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 2 |
| 03. | <i>Holarrhena pubescens</i> (Kurchi) | Apocynaceae | 5 | 03. | <i>Ichnocarpus frutescens</i> (Shyاملata) | Apocynaceae | 3 |
| 04. | <i>Meyna laxiflora</i> (Maina kanta) | Rubiaceae | 1 | 04. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |

| | | | | | | | |
|-----|-------------------------------------------|------------------|----|-----|--------------------------------------|------------------|----|
| 05. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 1 | 05. | <i>Ardisia solanacea</i> | Primulaceae | 1 |
| 06. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 1 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| 07. | <i>Ardisia solanacea</i> | Primulaceae | 2 | 07. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 08. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 08. | <i>Ixora pavetta</i> | Rubiaceae | 3 |
| 09. | <i>Millettia extensa</i> | Fabaceae | 2 | 09. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 |
| 10. | <i>Casearia graveolens</i> | Salicaceae | 1 | 10. | <i>Polyalthia cerasoides</i> | Annonaceae | 3 |
| 11. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 | 11. | <i>Croton persimilis</i> | Euphorbiaceae | 18 |
| 12. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 12. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 |
| 13. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 13. | <i>Ampelocissus latifolia</i> | Vitaceae | 15 |
| 14. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 | 14. | <i>Bridelia retusa</i> | Phyllanthaceae | |
| 15. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 2 | 15. | <i>Terminalia chebula</i> (Haritaki) | Combretaceae | 1 |
| 16. | <i>Croton persimilis</i> | Euphorbiaceae | 6 | 16. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 37 |
| 17. | <i>Erycibe paniculata.</i> | Convolvulaceae | 1 | 17. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 19 |
| 18. | <i>Ampelocissus latifolia</i> | Vitaceae | 39 | 18. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 11 |
| 19. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 1 | 19. | <i>Scindapsus officinalis</i> | Araceae | 8 |
| 20. | <i>Terminalia chebula</i> (Haritaki) | Combretaceae | 1 | 20. | <i>Miliusa velutina</i> | Annonaceae | 3 |
| 21. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 57 | 21. | <i>Dendrolobium triangulare</i> | Fabaceae | 2 |
| 22. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 42 | | | | |
| 23. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 | | | | |
| 24. | <i>Scindapsus officinalis</i> | Araceae | 14 | | | | |

Seedling & Herb

| 1BH1- 23°23'47.723"N, 86°59'40.183"E | | | | 1BH2- 23°23'47.427"N, 86°59'40.509"E | | | |
|--------------------------------------|-------------------------------------------|------------------|------|--------------------------------------|-------------------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Cheilocostus speciosus</i> | Costaceae | 3 |
| 02. | <i>Cheilocostus speciosus</i> | Costaceae | 1 | 02. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 4 |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 03. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 04. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 4 | 05. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 1 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 1 | 06. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 07. | <i>Scindapsus officinalis</i> | Araceae | 1 | 07. | <i>Sida cordata</i> | Malvaceae | 1 |
| 08. | <i>Aristolochia indica</i> | Aristolochiaceae | 2 | 08. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 |
| 09. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 1BH4- 23°23'47.088"N, 86°59'40.354"E | | | |
| 1BH3- 23°23'47.156"N, 86°59'40.090"E | | | | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 03. | <i>Flemingia macrophylla</i> | Fabaceae | 1 |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 17 | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 21 |
| 1BH5- 23°23'47.071"N, 86°59'40.348"E | | | | | | | |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 7 | | | | |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 13 | | | | |
| 03. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 1 | | | | |
| 04. | <i>Cissus repanda</i> | Vitaceae | 1 | | | | |
| 05. | <i>Cheilocostus speciosus</i> | Costaceae | 1 | | | | |
| 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 14 | | | | |
| 07. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | | | | |

Field Data Sheet - 1C

Date & Time: 23/08/2022, 10:00 am

Grid No.: 246/241

Name of the site: Siulibana

Plot no.: 1C

Layer: Trees

Latitude: 23°23'46.305"N

Longitude: 86°59'40.799"E

Altitude: 487 ft

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-------------------------------------------|------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 29 | 50/15, 68/21, 55/7, 68/17, 64/16, 87/24, 57/18, 66/25, 71/19, 72/20, 92/27, 66/15, 45/13, 63/18, 79/25, 65/17, 52/14, 66/15, 79/24, 80/23, 60/17, 71/23, 67/21, 80/24, 54/15, 69/20, 46/15, 48/17, 45/15 |
| 02. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 3 | 50/10, 56/15, 47/13 |
| 03. | <i>Madhuca longifolia</i> | Sapotaceae | 1 | 54/13 |

Layer: Shrubs, Sapling & Climbers

| 1CS1 | | | | 1CS2 | | | |
|-------|-------------------------------------------|------------------|------|-------|-------------------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 |
| 02. | <i>Croton persimilis</i> | Euphorbiaceae | 14 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 13 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 2 | 03. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 7 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 04. | <i>Meyna laxiflora</i> | Rubiaceae | 3 |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 14 |
| 06. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 1 | 06. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 7 |
| 07. | <i>Ichnocarpus frutescens</i> (Shyamlata) | Apocynaceae | 11 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 22 |
| 08. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 2 | 08. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 13 |
| 09. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 1 | 09. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 21 |
| 10. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 37 | 10. | <i>Millettia extensa</i> | Fabaceae | 15 |
| 11. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 23 | 11. | <i>Tylophora indica</i> | Apocynaceae | 31 |
| 12. | <i>Millettia extensa</i> | Fabaceae | 14 | 12. | <i>Ixora pavetta</i> | Rubiaceae | 4 |
| 13. | <i>Lannea coromandelica</i> | Anacardiaceae | 2 | 13. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 |
| 14. | <i>Tylophora indica</i> | Apocynaceae | 10 | 14. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 |
| 15. | <i>Ampelocissus latifolia</i> | Vitaceae | 12 | 15. | <i>Chromolaena odorata</i> | Asteraceae | 5 |
| 16. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 16. | <i>Cissus repanda</i> | Vitaceae | 5 |
| 17. | <i>Stephania japonica</i> | Menispermaceae | 13 | | | | |
| 18. | <i>Chromolaena odorata</i> | Asteraceae | 1 | | | | |
| 19. | <i>Ventilago denticulata</i> | Rhamnaceae | 26 | | | | |

Layer: Shrubs, Sapling & Climbers

| 1CS3 | | | | 1CS4 | | | |
|-------|----------------------------------|------------------|------|-------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 4 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 |
| 02. | <i>Croton persimilis</i> | Euphorbiaceae | 47 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 19 |
| 03. | <i>Hemidesmus indicus</i> | Apocynaceae | 4 | 03. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 |
| 04. | <i>Holarrhena pubescens</i> | Apocynaceae | 7 | 04. | <i>Holarrhena pubescens</i> | Apocynaceae | 1 |
| 05. | <i>Meyna laxiflora</i> | Rubiaceae | 4 | 05. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| 06. | <i>Flacourtia indica</i> | Salicaceae | 4 | 06. | <i>Semecarpus anacardium</i> | Anacardiaceae | 3 |
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 15 | 07. | <i>Lygodium flexuosum</i> | Lygodiaceae | 2 |
| 08. | <i>Casearia graveolens</i> | Salicaceae | 3 | 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 29 |
| 09. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 15 | 09. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 7 |
| 10. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 1 | 10. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 |
| 11. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 22 | 11. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 |
| 12. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 37 | 12. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 1 |
| 13. | <i>Ampelocissus latifolia</i> | Vitaceae | 14 | 13. | <i>Casearia graveolens</i> | Salicaceae | 1 |
| 14. | <i>Millettia extensa</i> | Fabaceae | 11 | 14. | <i>Ampelocissus latifolia</i> | Vitaceae | 15 |
| 15. | <i>Helicteres isora</i> | Malvaceae | 2 | 15. | <i>Millettia extensa</i> | Fabaceae | 3 |
| 16. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 16. | <i>Helicteres isora</i> | Malvaceae | 3 |
| 17. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 4 | 17. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| 18. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 9 | 18. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 19. | <i>Cissus repanda</i> | Vitaceae | 2 | 19. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 3 |
| 20. | <i>Stephania japonica</i> | Menispermaceae | 11 | 20. | <i>Syzygium cumini</i> | Myrtaceae | 2 |
| 21. | <i>Azadirachta indica</i> | Meliaceae | 2 | | | | |
| 22. | <i>Lannea coromandelica</i> | Anacardiaceae | 2 | | | | |
| 23. | <i>Ventilago denticulata</i> | Rhamnaceae | 5 | | | | |

Seedling & Herb

| 1CH1- 23°23'46.373"N, 86°59'40.365"E | | | | 1CH2- 23°23'46.235"N, 86°59'41.035"E | | | |
|--------------------------------------|--------------------------------|------------------|------|--------------------------------------|----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 | 01. | <i>Cheilocostus speciosus</i> | Costaceae | 3 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 11 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| 04. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 | 04. | <i>Cyperus sp</i> | Cyperaceae | 6 |
| 05. | <i>Anisomeles indica</i> | Lamiaceae | 1 | 05. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 1 |
| 06. | <i>Sida cordifolia</i> | Malvaceae | 9 | 06. | <i>Polygala arvensis</i> | Polygonaceae | 2 |
| 1CH3- 23°23'45.692"N, 86°59'40.805"E | | | | 07. | <i>Hemidesmus indicus</i> | Apocynaceae | 12 |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 14 | 1CH4- 23°23'46.063"N, 86°59'39.978"E | | | |
| 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 |
| 03. | <i>Cajanus scarabaeoides</i> | Fabaceae | 5 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| 04. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | 03. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 04. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 06. | <i>Commelina suffruticosa</i> | Commelinaceae | 13 | 05. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |
| 07. | <i>Dicliptera chinensis</i> | Acanthaceae | 7 | 1CH4- 23°23'46.305"N, 86°59'40.799"E | | | |
| | | | | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 9 |
| | | | | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| | | | | 03. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| | | | | 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 |
| | | | | 05. | <i>Hemidesmus indicus</i> | Apocynaceae | 7 |
| | | | | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |

Field Data Sheet - 1D

Date & Time: 23/08/2022, 10:45 am

Grid No.: 246/241

Name of the site: Siulibana

Plot no.: 1D

Layer: Trees

Latitude: 23°23'44.971"N

Longitude: 86°59'39.665"E

Altitude: 531 ft

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-------------------------------------------|------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 35 | 50/12, 34/10, 55/15, 60/21, 58/18, 66/20, 48/13, 48/12, 64/23, 65/23, 47/15, 41/12, 56/17, 57/20, 62/22, 31/8, 52/18, 82/25, 55/19, 66/20, 45/13, 55/12, 60/22, 50/20, 49/20, 40/11, 42/10, 62/20, 57/19, 41/12, 64/20, 55/18, 56/17, 45/13, 44/12 |
| 02. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 1 | 41/10 |

Layer: Shrubs, Sapling & Climbers

| 1DS1 | | | | 1DS2 | | | |
|-------|-------------------------------------------|------------------|------|-------|---------------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 5 |
| 03. | <i>Croton persimilis</i> | Euphorbiaceae | 10 | 03. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 3 |
| 04. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 7 | 04. | <i>Holarrhena pubescens</i> | Apocynaceae | 2 |
| 05. | <i>Meyna laxiflora</i> | Rubiaceae | 3 | 05. | <i>Meyna laxiflora</i> | Rubiaceae | 5 |
| 06. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 2 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 | 07. | <i>Lygodium flexuosum</i> | Lygodiaceae | 5 |
| 08. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 2 | 08. | <i>Lannea coromandelica</i> | Anacardiaceae | 2 |
| 09. | <i>Ichnocarpus frutescens</i> (Shymlata) | Apocynaceae | 8 | 09. | <i>Ixora pavetta</i> | Rubiaceae | 4 |
| 10. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 2 | 10. | <i>Millettia extensa</i> | Fabaceae | 6 |
| 11. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 | 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 11 |
| 12. | <i>Lannea coromandelica</i> | Anacardiaceae | 3 | 12. | <i>Chromolaena odorata</i> | Asteraceae | 22 |
| 13. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 8 | 13. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 27 |
| 14. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 14. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 21 |
| 15. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 15. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 33 |
| 16. | <i>Millettia extensa</i> | Fabaceae | 2 | 16. | <i>Ventilago denticulata</i> | Rhamnaceae | 18 |
| 17. | <i>Pseudarthria viscida</i> | Fabaceae | 1 | 17. | <i>Helicteres isora</i> | Malvaceae | 2 |
| 18. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 47 | 18. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 |
| 19. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 35 | 19. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 1 |
| 20. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 23 | 20. | <i>Schleichera oleosa</i> | Sapindaceae | 1 |
| 21. | <i>Ventilago denticulata</i> | Rhamnaceae | 13 | 21. | <i>Erycibe paniculata.</i> | Convolvulaceae | 1 |
| 22. | <i>Chromolaena odorata</i> | Asteraceae | 9 | 22. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 23. | <i>Ampelocissus latifolia</i> | Vitaceae | 21 | 23. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 |

Layer: Shrubs, Sapling & Climbers

| 1DS3 | | | | 1DS4 | | | |
|-------|-------------------------------------------|------------------|------|-------|---------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 5 | 01. | <i>Croton persimilis</i> | Euphorbiaceae | 15 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 02. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| 03. | <i>Croton persimilis</i> | Euphorbiaceae | 22 | 03. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 25 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 04. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 4 | 05. | <i>Lygodium flexuosum</i> | Lygodiaceae | 5 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 10 | 06. | <i>Helicteres isora</i> | Malvaceae | 51 |
| 07. | <i>Buchanania cochinchinensis</i> (Piyal) | Anacardiaceae | 4 | 07. | <i>Ventilago denticulata</i> | Rhamnaceae | 17 |
| 08. | <i>Lygodium flexuosum</i> | Lygodiaceae | 17 | 08. | <i>Ampelocissus latifolia</i> | Vitaceae | 8 |
| 09. | <i>Ichnocarpus frutescens</i> (Shyamkata) | Apocynaceae | 13 | 09. | <i>Stephania japonica</i> | Menispermaceae | 3 |
| 10. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 2 | 10. | <i>Grewia hirsuta</i> | Malvaceae | 27 |
| 11. | <i>Helicteres isora</i> | Malvaceae | 5 | 11. | | | |
| 12. | <i>Ampelocissus latifolia</i> | Vitaceae | 31 | 12. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 12 |
| 13. | <i>Stephania japonica</i> | Menispermaceae | 4 | 13. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 1 |
| 14. | <i>Grewia asiatica</i> | Malvaceae | 5 | 14. | <i>Schleichera oleosa</i> | Sapindaceae | 1 |
| 15. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 17 | 15. | <i>Cajanus scarabaeoides</i> | Fabaceae | 5 |
| 16. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 8 | 16. | <i>Aegle marmelos</i> | Rutaceae | 1 |
| 17. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 13 | 17. | <i>Holarrhena pubescens</i> | Apocynaceae | 21 |
| 18. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 | 18. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 |
| 19. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 2 | 19. | <i>Chromolaena odorata</i> | Asteraceae | 3 |
| 20. | <i>Erycibe paniculata.</i> | Convolvulaceae | 1 | 20. | <i>Flacourtia indica</i> | Salicaceae | 1 |
| 21. | <i>Cissus repanda</i> | Vitaceae | 5 | 21. | <i>Phyllodium pulchellum</i> | Fabaceae | 5 |
| 22. | <i>Schleichera oleosa</i> | Sapindaceae | 4 | 22. | <i>Breynia retusa</i> | Phyllanthaceae | 2 |
| 23. | <i>Bauhinia vahlii</i> | Fabaceae | 2 | 23. | <i>Lagerstroemia parviflora</i> | Lythraceae | 1 |
| 24. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 24. | <i>Casearia graveolens</i> | Salicaceae | 1 |
| | | | | 25. | <i>Cheilocostus speciosus</i> | Costaceae | 1 |

Seedling & Herb

| 1DH1- 23°23'45.255"N, 86°59'40.093"E | | | | 1DH2- 23°23'44.904"N, 86°59'40.390"E | | | |
|--------------------------------------|---------------------------------------|------------------|------|--------------------------------------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 12 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 4 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 | 03. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 04. | <i>Cyperus sp</i> | Cyperaceae | 8 | 04. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 05. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 5 | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 11 | 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| 07. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 07. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 08. | <i>Cajanus scarabaeoides</i> | Fabaceae | 3 | 08. | <i>Leucas angularis</i> | Lamiaceae | 1 |
| 09. | <i>Curculigo orchioides</i> | Hypoxidaceae | 14 | 09. | <i>Curculigo orchioides</i> | Hypoxidaceae | 17 |
| | | | | 10. | <i>Commelina suffruticosa</i> | Commelinaceae | 8 |

Seedling & Herb

| 1DH3- 23°23'44.215"N, 86°59'39.950"E | | | | 1DH4- 23°23'44.502"N, 86°59'39.347"E | | | |
|--------------------------------------|------------------------------------------|------------------|------|--------------------------------------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 13 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 6 |
| 02. | <i>Curculigo orchoides</i> | Hypoxidaceae | 20 | 02. | <i>Curculigo orchoides</i> | Hypoxidaceae | 11 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 |
| 04. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 3 | 04. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 4 | 06. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 07. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 | 07. | <i>Andrographis paniculata</i> | Acanthaceae | 1 |
| 08. | <i>Andrographis paniculata</i> | Acanthaceae | 3 | 08. | <i>Oplismenus burmanni</i> | Poaceae | 3 |
| 09. | <i>Cyanotis tuberosa</i> | Commelinaceae | 5 | 09. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 1 |
| 1DH5- 23°23'44.971"N, 86°59'39.665"E | | | | | | | |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 8 | | | | |
| 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | | | | |
| 03. | <i>Hemidesmus indicus</i> (Anantamul) | Apocynaceae | 3 | | | | |
| 04. | <i>Cissus repanda</i> | Vitaceae | 3 | | | | |
| 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 7 | | | | |
| 06. | <i>Phyllodium pulchellum</i> | Fabaceae | 7 | | | | |
| 07. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 | | | | |
| 08. | <i>Andrographis paniculata</i> | Acanthaceae | 1 | | | | |
| 09. | <i>Asparagus officinalis</i> | Asparagaceae | 1 | | | | |

Field Data Sheet - 1E

Date & Time: 23/08/2022, 12:15 pm

Grid No.: 246/241

Name of the site: Siulibana

Plot no.: 1E

Layer: Trees

Latitude: 23°23'45.636"N

Longitude: 86°59'38.353"E

Altitude: 471 ft

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|------------------------------|------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 46 | 120/33, 104/32, 49/10, 64/15, 86/25, 58/20, 43/10, 80/25, 30/8, 108/27, 103/29, 64/20, 63/21, 96/26, 79/25, 77/25, 58/23, 58/22, 96/27, 86/26, 73/19, 68/20, 35/12, 91/28, 73/22, 54/20, 65/20, 55/20, 54/19.5, 50/10, 88/25, 57/17, 52/19, 65/20, 80/29.5, 35/10, 62/20, 47/17, 41/12, 54/13, 54/12, 47/10, 37/11, 49/10, 113/31, 47/12 |
| 02. | <i>Firmiana simplex</i> | Malvaceae | 1 | 58/10 |
| 03. | <i>Aegle marmelos</i> | Rutaceae | 1 | 20/5 |
| 04. | <i>Semecarpus anacardium</i> | Anacardiaceae | 2 | 32/7, 33/8 |

Layer: Shrubs, Sapling & Climbers

| 1ES1 | | | | 1ES2 | | | |
|-------|------------------------------------------|------------------|------|-------|-----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Croton persimilis</i> | Euphorbiaceae | 18 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 |
| 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 12 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 13 |
| 03. | <i>Flacourtia indica</i> | Salicaceae | 4 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 7 |
| 04. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 8 | 04. | <i>Cassia fistula</i> | Fabaceae | 1 |
| 05. | <i>Ichnocarpus frutescens</i> (Shymlata) | Apocynaceae | 14 | 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| 06. | <i>Terminalia chebula</i> | Combretaceae | 8 | 06. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 12 |
| 07. | <i>Bauhinia vahlii</i> | Fabaceae | 4 | 07. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 3 |
| 08. | <i>Ventilago denticulata</i> | Rhamnaceae | 18 | 08. | <i>Terminalia chebula</i> | Combretaceae | 5 |
| 09. | <i>Scindapsus officinalis</i> | Araceae | 23 | 09. | <i>Ventilago denticulata</i> | Rhamnaceae | 6 |
| 10. | <i>Ampelocissus latifolia</i> | Vitaceae | 16 | 10. | <i>Scindapsus officinalis</i> | Araceae | 11 |
| 11. | <i>Aegle marmelos</i> | Rutaceae | 1 | 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 14 |
| 12. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 | 12. | <i>Aegle marmelos</i> | Rutaceae | 6 |
| 13. | <i>Stephania japonica</i> | Menispermaceae | 11 | 13. | <i>Stephania japonica</i> | Menispermaceae | 12 |
| 14. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 4 | 14. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 27 |
| 15. | <i>Helicteres isora</i> | Malvaceae | 13 | 15. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 |
| 16. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 21 | 16. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 21 |
| 17. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 12 | 17. | <i>Helicteres isora</i> | Malvaceae | 6 |
| 18. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 | 18. | <i>Asparagus officinalis</i> | Asparagaceae | 2 |
| 19. | <i>Ehretia laevis</i> | Boraginaceae | 1 | 19. | <i>Ixora pavetta</i> | Rubiaceae | 7 |
| | | | | 20. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 2 |
| | | | | 21. | <i>Vitex peduncularis</i> | Lamiaceae | 4 |

Layer: Shrubs, Sapling & Climbers

| 1ES3 | | | | 1ES4 | | | |
|-------|-----------------------------------|------------------|------|-------|----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Croton persimilis</i> | Euphorbiaceae | 20 | 01. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 |
| 02. | <i>Diospyros melanoxylon</i> | Ebenaceae | 4 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 14 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 4 | 03. | <i>Meyna laxiflora</i> | Rubiaceae | 7 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 3 | 04. | <i>Cassia fistula</i> | Fabaceae | 2 |
| 05. | <i>Flacourtia indica</i> | Salicaceae | 2 | 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 12 | 06. | <i>Glochidion ellipticum</i> | Phyllanthaceae | 1 |
| 07. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 24 | 07. | <i>Ventilago denticulata</i> | Rhamnaceae | 4 |
| 08. | <i>Casearia graveolens</i> | Salicaceae | 3 | 08. | <i>Ampelocissus latifolia</i> | Vitaceae | 11 |
| 09. | <i>Lygodium flexuosum</i> | Lygodiaceae | 6 | 09. | <i>Lannea coromandelica</i> | Anacardiaceae | 3 |
| 10. | <i>Ventilago denticulata</i> | Rhamnaceae | 5 | 10. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 21 |
| 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 17 | 11. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 8 |
| 12. | <i>Lannea coromandelica</i> | Anacardiaceae | 5 | 12. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 13 |
| 13. | <i>Stephania japonica</i> | Menispermaceae | 12 | 13. | <i>Helicteres isora</i> | Malvaceae | 7 |
| 14. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 27 | 14. | <i>Scindapsus officinalis</i> | Araceae | 6 |
| 15. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 7 | 15. | <i>Ixora pavetta</i> | Rubiaceae | 4 |
| 16. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 23 | 16. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 8 |
| 17. | <i>Helicteres isora</i> | Malvaceae | 7 | 17. | <i>Cheilocostus speciosus</i> | Costaceae | 2 |
| 15. | <i>Putranjiva roxburghii</i> | Putranjivaceae | 4 | 18. | <i>Breynia retusa</i> | Phyllanthaceae | 1 |
| 16. | <i>Ixora pavetta</i> | Rubiaceae | 6 | | | | |
| 17. | <i>Cissus repanda</i> | Vitaceae | 3 | | | | |
| 18. | <i>Cheilocostus speciosus</i> | Costaceae | 1 | | | | |

Seedling & Herb

| 1EH1- 23°23'46.004"N, 86°59'38.200"E | | | | 1EH2- 23°23'45.295"N, 86°59'38.454"E | | | |
|--------------------------------------|----------------------------------|------------------|------|--------------------------------------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 9 | 02. | <i>Commelina suffruticosa</i> | Commelinaceae | 7 |
| 03. | <i>Cissus repanda</i> | Vitaceae | 2 | 03. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 04. | <i>Hemidesmus indicus</i> | Apocynaceae | 1 | 04. | <i>Hemidesmus indicus</i> | Apocynaceae | 3 |
| 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 |
| 07. | <i>Curculigo orchioides</i> | Hypoxidaceae | 15 | 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 |
| 08. | <i>Pseudarthria viscida</i> | Fabaceae | 2 | 08. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 |
| 09. | <i>Panicum notatum</i> | Poaceae | 3 | 09. | <i>Panicum notatum</i> | Poaceae | 4 |
| 1EH3- 23°23'45.775"N, 86°59'37.820"E | | | | 1EH4- 23°23'45.799"N, 86°59'38.837"E | | | |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 11 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 17 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 7 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 14 |
| 03. | <i>Cissus repanda</i> | Vitaceae | 2 | 03. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 | 04. | <i>Hemidesmus indicus</i> | Apocynaceae | 1 |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 | 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 9 |
| 06. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 06. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 |
| 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 07. | <i>Oplismenus burmanni</i> | Poaceae | 13 |
| 08. | <i>Azadirachta indica</i> | Meliaceae | 2 | 08. | <i>Panicum notatum</i> | Poaceae | 3 |
| 09. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 | | | | |
| 1EH5- 23°23'45.636"N, 86°59'38.353"E | | | | | | | |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 8 | | | | |
| 02. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 | | | | |
| 03. | <i>Cissus repanda</i> | Vitaceae | 1 | | | | |
| 04. | <i>Hemidesmus indicus</i> | Apocynaceae | 4 | | | | |
| 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | | | | |
| 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 10 | | | | |
| 07. | <i>Aegle marmelos</i> | Rutaceae | 1 | | | | |
| 08. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 1 | | | | |

Field Data Sheet - 2A

Date & Time: 23/08/2022, 01:42 pm

Latitude: 23°23'43.305" N

Grid No.:50/51

Longitude: 86°58'37.819" E

Name of the site: Jharnatala

Altitude: 538 ft

Plot no.: 2A

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 10 | 52/10, 36/5, 24/5, 23/3.5, 64/10.5, 33/5, 56/7, 44/8, 33/5, 52/10 |
| 02. | <i>Bridelia retusa</i> | Phyllanthaceae | 2 | 33/4, 26/5 |
| 03. | <i>Dillenia pentagyna</i> | Dilleniaceae | 1 | 59/9 |
| 04. | <i>Mitragyna parviflora</i> | Rubiaceae | 2 | 43/5, 38/5.5 |
| 05. | <i>Soymida febrifuga</i> | Meliaceae | 2 | 10/2, 17/2.5 |
| 06. | <i>Anogeissus latifolia</i> | Combretaceae | 28 | 8/2, 48/9, 25/2.5, 45/5, 24/4, 31/3.5, 67/7, 23/3, 30/4, 21/3, 17/2.5, 45/9, 49/10, 15/3, 33/5, 10/1.5, 48/8, 42/7, 17/2.5, 32/7, 28/5, 23/4, 11/1.5, 13/2, 54/9, 48/10, 23/4, 44/7 |
| 07. | <i>Diospyros sylvatica</i> | Ebenaceae | 1 | 19/2.5 |
| 08. | <i>Gardenia gummifera</i> | Rubiaceae | 1 | 26/3 |
| 09. | <i>Ziziphus jujuba</i> | Rhamnaceae | 1 | 29/3.5 |
| 10. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 29/4 |
| 11. | <i>Firmiana simplex</i> | Malvaceae | 4 | 70/8, 67/9, 66/9, 63/8 |
| 12. | <i>Flacourtia indica</i> | Salicaceae | 1 | 19/2 |

Layer: Shrubs, Sapling & Climbers

| 2AS1 | | | | 2AS2 | | | |
|-------|---------------------------------|----------------|------|-------------|---------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 |
| 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 8 | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 |
| 03. | <i>Meyna laxiflora</i> | Rubiaceae | 3 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 6 |
| 04. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 8 | 04. | <i>Meyna laxiflora</i> | Rubiaceae | 6 |
| 05. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 4 | 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 06. | <i>Casearia graveolens</i> | Salicaceae | 1 | 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 7 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 2 | 07. | <i>Flacourtia indica</i> | Salicaceae | 4 |
| 08. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 7 | 08. | <i>Anogeissus latifolia</i> | Combretaceae | 7 |
| 09. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 09. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 4 |
| 10. | <i>Helicteres isora</i> | Malvaceae | 2 | 10. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 |
| 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 12 | 11. | <i>Firmiana simplex</i> | Malvaceae | 4 |
| 12. | <i>Phyllodium pulchellum</i> | Fabaceae | 17 | 12. | <i>Azadirachta indica</i> | Meliaceae | 6 |
| 13. | <i>Millettia extensa</i> | Fabaceae | 8 | 13. | <i>Millettia extensa</i> | Fabaceae | 8 |
| 14. | <i>Ixora pavetta</i> | Rubiaceae | 14 | 2AS4 | | | |
| 15. | <i>Ventilago denticulata</i> | Rhamnaceae | 17 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 |
| 16. | <i>Ziziphus jujuba</i> | Rhamnaceae | 4 | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 |
| 17. | <i>Alangium salviifolium</i> | Cornaceae | 2 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 9 |
| 18. | <i>Soymida febrifuga</i> | Meliaceae | 7 | 04. | <i>Meyna laxiflora</i> | Rubiaceae | 5 |

| 2AS3 | | | | 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 4 |
|------|---------------------------------|----------------|----|-----|---------------------------------|----------------|---|
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 4 | 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 9 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 | 07. | <i>Flacourtia indica</i> | Salicaceae | 2 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 11 | 08. | <i>Casearia graveolens</i> | Salicaceae | 4 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 4 | 09. | <i>Anogeissus latifolia</i> | Combretaceae | 7 |
| 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 2 | 10. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 |
| 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 5 | 11. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 07. | <i>Flacourtia indica</i> | Salicaceae | 7 | 12. | <i>Azadirachta indica</i> | Meliaceae | 2 |
| 08. | <i>Casearia graveolens</i> | Salicaceae | 2 | 13. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 09. | <i>Anogeissus latifolia</i> | Combretaceae | 6 | 14. | <i>Helicteres isora</i> | Malvaceae | 1 |
| 10. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 2 | | | | |
| 11. | <i>Woodfordia fruticosa</i> | Lythraceae | 2 | | | | |
| 12. | <i>Aegle marmelos</i> | Rutaceae | 1 | | | | |
| 13. | <i>Chromolaena odorata</i> | Asteraceae | 9 | | | | |
| 14. | <i>Grewia serrulata</i> | Malvaceae | 8 | | | | |
| 15. | <i>Ixora pavetta</i> | Rubiaceae | 4 | | | | |
| 16. | <i>Ardisia solanacea</i> | Primulaceae | 2 | | | | |

Seedling & Herb

| 2AH1- 23°23'43.683"N, 86°58'37.471"E | | | | 2AH2- 23°23'43.478"N, 86°58'38.304"E | | | |
|--------------------------------------|--------------------------------|----------------|------|--------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 6 | 01. | <i>Lepidagathis incurva</i> | Acanthaceae | 4 |
| 02. | <i>Cissus repanda</i> | Vitaceae | 2 | 02. | <i>Shorea robusta</i> | Dipterocarpaceae | 2 |
| 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 | 03. | <i>Evolvulus nummularius</i> | Convolvulaceae | 1 |
| 04. | <i>Oplismenus burmanni</i> | Poaceae | 1 | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 05. | <i>Leucas angularis</i> | Lamiaceae | 1 | 05. | <i>Cyanotis tuberosa</i> | Commelinaceae | 1 |
| 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 | 2AH4- 23°23'43.996"N, 86°58'37.955"E | | | |
| 07. | <i>Curculigo orchioides</i> | Hypoxidaceae | 2 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 08. | <i>Cyanotis tuberosa</i> | Commelinaceae | 3 | 02. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 09. | <i>Cynodon dactylon</i> | Poaceae | 7 | 03. | <i>Sida cordifolia</i> | Malvaceae | 5 |
| 10. | <i>Andrographis paniculata</i> | Acanthaceae | 3 | 04. | <i>Byttneria herbacea</i> | Malvaceae | 1 |
| 2AH3- 23°23'43.282"N, 86°58'38.018"E | | | | 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 |
| 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 | 06. | <i>Allmania nodiflora</i> | Amaranthaceae | 2 |
| 02. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 3 | 2AH5- 23°23'43.305"N, 86°58'37.819"E | | | |
| 03. | <i>Sida cordifolia</i> | Malvaceae | 2 | 01. | <i>Lepidagathis incurva</i> | Acanthaceae | 2 |
| 04. | <i>Hybanthus enneaspermus</i> | Violaceae | 1 | 02. | <i>Polygala arvensis</i> | Polygalaceae | 2 |
| 05. | <i>Scleria lithosperma</i> | Cyperaceae | 2 | 03. | <i>Oplismenus burmanni</i> | Poaceae | 1 |
| 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 | 04. | <i>Cyanotis tuberosa</i> | Commelinaceae | 3 |
| 07. | <i>Oplismenus burmanni</i> | Poaceae | 2 | | | | |
| 08. | <i>Cyanotis tuberosa</i> | Commelinaceae | 1 | | | | |
| 09. | <i>Cynodon dactylon</i> | Poaceae | 9 | | | | |

Field Data Sheet - 2B

Date & Time: 24/08/2022, 10:00 am

Latitude: 23°23'43.937" N

Grid No.: 50/51

Longitude: 86°58'39.376" E

Name of the site: Jharnatala

Altitude: 554 ft

Plot no.: 2B

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------------|----------------|---------------|--------------------------------------------------------------|
| 01. | <i>Firmiana simplex</i> | Malvaceae | 3 | 57/8, 71/10, 47/8 |
| 02. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 | 80/10, 61/14, 31/7, 28/5, 36/5, 61/10 |
| 03. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 1 | 18/2.5 |
| 04. | <i>Flacourtia indica</i> | Salicaceae | 1 | 34/4 |
| 05. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 | 16/3 |
| 06. | <i>Ehretia laevis</i> | Boraginaceae | 2 | 36/5, 47/7 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 10 | 38/7, 31/7, 54/11, 28/4, 33/5, 62/11, 44/8, 17/3, 26/3, 36/8 |
| 08. | <i>Lagerstroemia parviflora</i> | Lythraceae | 1 | 52/8 |
| 09. | <i>Soymida febrifuga</i> | Meliaceae | 4 | 61/15, 30/3, 58/10, 55/3 |
| 10. | <i>Bridelia retusa</i> | Phyllanthaceae | 2 | 57/9, 33/6 |
| 11. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 32/4, 31/4 |
| 12. | <i>Tectona grandis</i> | Lamiaceae | 1 | 15/3 |
| 13. | <i>Schleichera oleosa</i> | Sapindaceae | 2 | 29/3, 42/8 |
| 14. | <i>Mitragyna parviflora</i> | Rubiaceae | 2 | 36/5, 31/5 |
| 15. | <i>Ficus rumphii</i> | Moraceae | 1 | 30/5 |

Layer: Shrubs, Sapling & Climbers

| 2BS1 | | | | 2BS2 | | | |
|-------------|---------------------------------|----------------|------|-------------|------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 6 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 5 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 4 | 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 17 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 13 | 03. | <i>Meyna laxiflora</i> | Rubiaceae | 7 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 04. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 1 | 05. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 6 |
| 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 6 | 06. | <i>Flacourtia indica</i> | Salicaceae | 1 |
| 07. | <i>Flacourtia indica</i> | Salicaceae | 3 | 07. | <i>Casearia graveolens</i> | Salicaceae | 3 |
| 08. | <i>Anogeissus latifolia</i> | Combretaceae | 3 | 08. | <i>Anogeissus latifolia</i> | Combretaceae | 7 |
| 09. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 2 | 09. | <i>Lea asiatica</i> | Vitaceae | 2 |
| 10. | <i>Ruellia tuberosa</i> | Acanthaceae | 5 | 2BS4 | | | |
| 11. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 9 |
| 2BS3 | | | | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 12 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 11 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 04. | <i>Meyna laxiflora</i> | Rubiaceae | 6 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 9 | 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 2 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 4 | 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 5 |
| 05. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 4 | 07. | <i>Flacourtia indica</i> | Salicaceae | 5 |

| | | | | | | | |
|-----|---------------------------------|----------------|---|-----|---------------------------------|---------------|---|
| 06. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 3 | 08. | <i>Casearia graveolens</i> | Salicaceae | 2 |
| 07. | <i>Casearia graveolens</i> | Salicaceae | 4 | 09. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 |
| 08. | <i>Anogeissus latifolia</i> | Combretaceae | 4 | 10. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 3 |
| 09. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 4 | 11. | <i>Suregada multiflora</i> | Euphorbiaceae | 3 |
| 10. | <i>Cheilocostus speciosus</i> | Costaceae | 2 | | | | |
| 11. | <i>Setaria barbata</i> | Poaceae | 3 | | | | |
| 12. | <i>Suregada multiflora</i> | Verbenaceae | 5 | | | | |

Seedling & Herb

| 2BH1- 23°23'43.790"N, 86°58'38.696"E | | | | 2BH2- 23°23'43.560"N, 86°58'39.147"E | | | |
|---------------------------------------------|-------------------------------|----------------|------|---------------------------------------------|--------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Cissus repanda</i> | Vitaceae | 8 | 01. | <i>Cissus repanda</i> | Vitaceae | 6 |
| 02. | <i>Lepidagathis incurva</i> | Acanthaceae | 2 | 02. | <i>Sida cordifolia</i> | Malvaceae | 3 |
| 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 03. | <i>Oplismenus burmanni</i> | Poaceae | 9 |
| 04. | <i>Polygala arvensis</i> | Polygalaceae | 1 | 04. | <i>Azadirachta indica</i> | Meliaceae | 1 |
| 05. | <i>Azadirachta indica</i> | Meliaceae | 4 | 05. | <i>Ardisia solanacea</i> | Primulaceae | 1 |
| 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 4 | 06. | <i>Eulalia conjugata</i> | Poaceae | 23 |
| 07. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 | 07. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 2 |
| 08. | <i>Ardisia solanacea</i> | Primulaceae | 1 | 2BH4- 23°23'43.740"N, 86°58'39.674"E | | | |
| 09. | <i>Alangium salviifolium</i> | Cornaceae | 2 | 01. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 2BH3- 23°23'44.184"N, 86°58'39.181"E | | | | 02. | <i>Scleria lithosperma</i> | Cyperaceae | 7 |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 03. | <i>Andrographis paniculata</i> | Acanthaceae | 2 |
| 02. | <i>Cissus repanda</i> | Vitaceae | 9 | 04. | <i>Rungia pectinata</i> | Acanthaceae | 5 |
| 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 | 2BH5- 23°23'43.305"N, 86°58'37.819"E | | | |
| 04. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 13 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 05. | <i>Eragrostis amabilis</i> | Poaceae | 8 | 02. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 06. | <i>Kydia calycina</i> | Malvaceae | 3 | 03. | <i>Azadirachta indica</i> | Meliaceae | 1 |
| 07. | <i>Spermacoce articularis</i> | Rubiaceae | 2 | 04. | <i>Andrographis paniculata</i> | Acanthaceae | 2 |

Field Data Sheet - 2C

Date & Time: 24/08/2022, 11:20 am

Latitude: 23°23'44.038" N

Grid No.: 50/51

Longitude: 86°58'40.489" E

Name of the site: Jharnatala

Altitude: 627 ft

Plot no.: 2C

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 9 | 31/3, 38/7, 77/12, 41/8, 53/10, 27/4, 34/5, 54/5, 80/12 |
| 02. | <i>Shorea robusta</i> | Dipterocarpaceae | 1 | 16/4 |
| 03. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 14/2.5, 52/7 |
| 04. | <i>Lagerstroemia parviflora</i> | Lythraceae | 2 | 22/3, 46/8 |
| 05. | <i>Terminalia alata</i> | Combretaceae | 7 | 29/7, 19/2, 17/2, 16/2, 26/3, 19/2, 17/2 |
| 06. | <i>Soymida febrifuga</i> | Meliaceae | 5 | 24/3, 32/3, 20/2, 16/2, 26/3 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 22 | 44/7, 32/2.5, 19/3, 41/7, 25/4, 33/5, 22/3, 16/3, 17/2, 20/3.5, 40/8, 33/8, 36/6, 17/2, 21/3, 36/8, 44/8.5, 16/3, 26/4, 15/2, 37/7, 19/3 |
| 08. | <i>Terminalia chebula</i> | Combretaceae | 2 | 33/5, 14/3 |
| 09. | <i>Cassia fistula</i> | Fabaceae | 2 | 20/5, 18/4 |
| 10. | <i>Ziziphus jujuba</i> | Rhamnaceae | 2 | 14/3, 14/3.5 |
| 11. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 | 15/3 |
| 12. | <i>Kydia calycina</i> | Malvaceae | 1 | 12/2 |
| 13. | <i>Grewia serrulata</i> | Malvaceae | 1 | 16/2.5 |
| 14. | <i>Cordia dichotoma</i> | Boraginaceae | 4 | 22/3, 23/4, 21/3, 48/8 |
| 15. | <i>Flacourtia indica</i> | Salicaceae | 1 | 42/12 |

Layer: Shrubs, Sapling & Climbers

| 2CS1 | | | | 2CS2 | | | |
|-------|---------------------------------|------------------|------|-------------|-------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 |
| 02. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 | 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 4 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 5 | 03. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |
| 04. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 3 | 04. | <i>Teramnus labialis</i> | Fabaceae | 2 |
| 05. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 06. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 4 |
| 07. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 5 | 07. | <i>Flemingia macrophylla</i> | Fabaceae | 1 |
| 08. | <i>Flemingia macrophylla</i> | Fabaceae | 2 | 2CS4 | | | |
| 09. | <i>Helicteres isora</i> | Malvaceae | 3 | 01. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 |

| 2CS3 | | | | 02. | <i>Helicteres isora</i> | Malvaceae | 4 |
|------|---------------------------------|----------------|---|-----|---------------------------------|----------------|---|
| 01. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 2 | 03. | <i>Flemingia macrophylla</i> | Fabaceae | 2 |
| 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 04. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 03. | <i>Soymida febrifuga</i> | Meliaceae | 2 | 05. | <i>Ixora pavetta</i> | Rubiaceae | 3 |
| 04. | <i>Cassia fistula</i> | Fabaceae | 1 | 06. | <i>Tylophora indica</i> | Apocynaceae | 2 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 2 | 07. | <i>Meyna laxiflora</i> | Rubiaceae | 4 |
| 06. | <i>Tylophora indica</i> | Apocynaceae | 1 | 08. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 4 |
| 07. | <i>Albizia lebbeck</i> | Fabaceae | 1 | 09. | <i>Stephania japonica</i> | Menispermaceae | 2 |
| 08. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 10. | <i>Cissampelos pareira</i> | Menispermaceae | 1 |
| 09. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 | 11. | <i>Olax scandens</i> | Olacaceae | 1 |
| 10. | <i>Cissampelos pareira</i> | Menispermaceae | 2 | 12. | <i>Azanza lampas</i> | Malvaceae | 3 |
| 11. | <i>Azanza lampas</i> | Malvaceae | 1 | 13. | <i>Lagerstroemia parviflora</i> | Lythraceae | 1 |
| 12. | <i>Cochlospermum religiosum</i> | Bixaceae | | | | | |

Seedling & Herb

| 2CH1- 23°23'44.121"N, 86°58'39.924"E | | | | 2CH2- 23°23'43.774"N, 86°58'40.587"E | | | |
|---------------------------------------------|--------------------------------|--------------|------|---------------------------------------------|-------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Azadirachta indica</i> | Meliaceae | 1 | 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 02. | <i>Ampelocissus latifolia</i> | Vitaceae | 9 | 02. | <i>Grewia hirsuta</i> | Malvaceae | 2 |
| 03. | <i>Sida cordifolia</i> | Malvaceae | 4 | 03. | <i>Sida cordifolia</i> | Malvaceae | 3 |
| 04. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 | 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 |
| 05. | <i>Andrographis paniculata</i> | Acanthaceae | 1 | 05. | <i>Oplismenus burmanni</i> | Poaceae | 9 |
| 06. | <i>Ardisia solanacea</i> | Primulaceae | 3 | 06. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 3 |
| 07. | <i>Alangium salviifolium</i> | Cornaceae | 1 | 07. | <i>Urena lobata</i> | Malvaceae | 2 |
| 08. | <i>Grewia hirsuta</i> | Malvaceae | 7 | 2CH4- 23°23'44.318"N, 86°58'40.812"E | | | |
| 09. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 01. | <i>Azadirachta indica</i> | Meliaceae | 3 |
| 2CH3- 23°23'44.411"N, 86°58'40.701"E | | | | 02. | <i>Sida cordifolia</i> | Malvaceae | 3 |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 5 | 03. | <i>Ardisia solanacea</i> | Primulaceae | 1 |
| 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 04. | <i>Oplismenus burmanni</i> | Poaceae | 4 |
| 03. | <i>Andrographis paniculata</i> | Acanthaceae | 2 | 05. | <i>Urena lobata</i> | Malvaceae | 1 |
| 04. | <i>Sida cordifolia</i> | Malvaceae | 5 | 2CH5- 23°23'44.038"N, 86°58'40.489"E | | | |
| 05. | <i>Scleria lithosperma</i> | Cyperaceae | 21 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 | 02. | <i>Sida cordifolia</i> | Malvaceae | 1 |
| 07. | <i>Dicliptera chinensis</i> | Acanthaceae | 3 | 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| | | | | 04. | <i>Dicliptera chinensis</i> | Acanthaceae | 9 |
| | | | | 05. | <i>Scleria lithosperma</i> | Cyperaceae | 19 |
| | | | | 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 6 |

Field Data Sheet - 2D

Date & Time: 24/08/2022, 12:25 pm

Latitude: 23°23'43.609" N

Grid No.: 50/51

Longitude: 86°58'41.940" E

Name of the site: Jharnatala

Altitude: 718 ft

Plot no.: 2D

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|------------------------------|----------------|---------------|------------------------------------------------------------------------------------------|
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 7 | 28/3, 37/3.5, 19/2, 36/3, 21/3, 20/2.5, 36/8 |
| 02. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 1 | 19/2 |
| 03. | <i>Gardenia gummifera</i> | Rubiaceae | 10 | 14/3, 15/3, 20/3, 31/4, 17/2, 19/2, 15/2, 16/2, 11/2, 11/2 |
| 04. | <i>Soymida febrifuga</i> | Meliaceae | 9 | 17/2, 13/1.5, 15/2, 14/3, 13/2, 12/2, 18/3, 16/2, 29/3 |
| 05. | <i>Terminalia alata</i> | Combretaceae | 4 | 17/4, 14/3, 25/4, 15/2 |
| 06. | <i>Anogeissus latifolia</i> | Combretaceae | 15 | 20/3, 13/2, 24/3, 15/2, 14/2, 22/3, 13/2, 22/1, 30/3, 14/2, 21/2, 14/3, 26/3, 19/3, 16/3 |
| 07. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 19/2, 23/3 |
| 08. | <i>Terminalia chebula</i> | Combretaceae | 1 | 17/2 |
| 09. | <i>Flacourtia indica</i> | Salicaceae | 1 | 47/3 |
| 10. | <i>Ixora pavetta</i> | Rubiaceae | 4 | 31/3, 21/2, 20/2, 24/2 |
| 11. | <i>Psydrax dicoccos</i> | Rubiaceae | 1 | 38/4 |

Layer: Shrubs, Sapling & Climbers

| 2DS1 | | | | 2DS2 | | | |
|-------------|---------------------------------|--------------|------|-------------|---------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 12 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 4 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 12 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 10 | 03. | <i>Meyna laxiflora</i> | Rubiaceae | 4 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 04. | <i>Anogeissus latifolia</i> | Combretaceae | 3 |
| 05. | <i>Flacourtia indica</i> | Salicaceae | 4 | 05. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 |
| 06. | <i>Casearia graveolens</i> | Salicaceae | 2 | 06. | <i>Cuscuta reflexa</i> | Convolvulaceae | 1 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 7 | 07. | <i>Cochlospermum religiosum</i> | Bixaceae | 1 |
| 08. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 | 08. | <i>Gardenia latifolia</i> | Rubiaceae | 2 |
| 09. | <i>Cochlospermum religiosum</i> | Bixaceae | 1 | 09. | <i>Lantana camara</i> | Verbenaceae | 3 |
| 10. | <i>Gardenia latifolia</i> | Rubiaceae | 1 | 10. | <i>Soymida febrifuga</i> | Meliaceae | 2 |
| 11. | <i>Lantana camara</i> | Verbenaceae | 2 | 11. | <i>Grewia asiatica</i> | Malvaceae | 3 |
| 12. | <i>Soymida febrifuga</i> | Meliaceae | 3 | 12. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 1 |
| 13. | <i>Grewia asiatica</i> | Malvaceae | 5 | 2DS4 | | | |
| 14. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 |
| 2DS3 | | | | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 9 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 3 |
| 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 17 | 04. | <i>Flacourtia indica</i> | Salicaceae | 1 |

| | | | | | | | |
|-----|---------------------------------|------------------|---|-----|---------------------------------|----------------|---|
| 03. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 | 05. | <i>Casearia graveolens</i> | Salicaceae | 4 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 06. | <i>Anogeissus latifolia</i> | Combretaceae | 8 |
| 05. | <i>Flacourtia indica</i> | Salicaceae | 2 | 07. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 4 |
| 06. | <i>Casearia graveolens</i> | Salicaceae | 2 | 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 6 | 09. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |
| 08. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 3 | 10. | <i>Gardenia latifolia</i> | Rubiaceae | 1 |
| 09. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 11. | <i>Ixora pavetta</i> | Rubiaceae | 3 |
| 10. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 1 | 12. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 12. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 13. | <i>Asparagus officinalis</i> | Asparagaceae | 4 |
| 13. | <i>Lagerstroemia parviflora</i> | Lythraceae | 2 | 14. | <i>Suregada multiflora</i> | Euphorbiaceae | 1 |
| 14. | <i>Asparagus officinalis</i> | Asparagaceae | 1 | 15. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 |
| 15. | <i>Aristolochia indica</i> | Aristolochiaceae | 2 | | | | |
| 16. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | | | | |

Seedling & Herb

| 2DH1- 23°23'43.789"N, 86°58'41.313"E | | | | 2DH2- 23°23'43.377"N, 86°58'41.727"E | | | |
|---------------------------------------------|--------------------------------|----------------|------|---------------------------------------------|--------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Andrographis paniculata</i> | Acanthaceae | 1 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 02. | <i>Scleria lithosperma</i> | Cyperaceae | 25 | 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 03. | <i>Sida cordifolia</i> | Malvaceae | 4 | 03. | <i>Andrographis paniculata</i> | Acanthaceae | 4 |
| 04. | <i>Cheilanthes distans</i> | Pteridaceae | 3 | 04. | <i>Scleria lithosperma</i> | Cyperaceae | 29 |
| 05. | <i>Stephania japonica</i> | Menispermaceae | 1 | 05. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 |
| 06. | <i>Desmodium velutinum</i> | Fabaceae | 1 | 06. | <i>Stephania japonica</i> | Menispermaceae | 2 |
| 07. | <i>Byttneria herbacea</i> | Malvaceae | 2 | 07. | <i>Lepidagathis incurva</i> | Acanthaceae | 1 |
| 08. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 08. | <i>Byttneria herbacea</i> | Malvaceae | 3 |
| 09. | <i>Mitracarpus hirtus</i> | Rubiaceae | 2 | 2DH4- 23°23'43.942"N, 86°58'42.152"E | | | |
| 2DH3- 23°23'44.120"N, 86°58'41.815"E | | | | 01. | <i>Andrographis paniculata</i> | Acanthaceae | 3 |
| 01. | <i>Andrographis paniculata</i> | Acanthaceae | 3 | 02. | <i>Scleria lithosperma</i> | Cyperaceae | 17 |
| 02. | <i>Scleria lithosperma</i> | Cyperaceae | 21 | 03. | <i>Cajanus scarabaeoides</i> | Fabaceae | 3 |
| 03. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 | 04. | <i>Sida cordifolia</i> | Malvaceae | 6 |
| 04. | <i>Sida cordifolia</i> | Malvaceae | 4 | 05. | <i>Poa spp.</i> | Poaceae | 19 |
| 05. | <i>Cheilanthes distans</i> | Pteridaceae | 16 | 06. | <i>Evolvulus nummularius</i> | Convolvulaceae | 12 |
| 06. | <i>Poa spp.</i> | Poaceae | 23 | 07. | <i>Eragrostis amabilis</i> | Poaceae | 11 |
| 07. | <i>Evolvulus nummularius</i> | Convolvulaceae | 7 | 08. | <i>Phyllanthus virgatus</i> | Phyllanthaceae | 2 |
| 08. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 1 | 09. | <i>Byttneria herbacea</i> | Malvaceae | 3 |
| 09. | <i>Lepidagathis incurva</i> | Acanthaceae | 2 | 2DH5- 23°23'43.609"N, 86°58'41.940"E | | | |
| 10. | <i>Desmodium prostratum</i> | Fabaceae | 1 | 01. | <i>Andrographis paniculata</i> | Acanthaceae | 9 |
| | | | | 02. | <i>Sida cordifolia</i> | Malvaceae | 1 |
| | | | | 03. | <i>Scleria lithosperma</i> | Cyperaceae | 12 |
| | | | | 04. | <i>Urena lobata</i> | Malvaceae | 1 |
| | | | | 05. | <i>Cheilanthes distans</i> | Pteridaceae | 1 |
| | | | | 06. | <i>Poa sp</i> | Poaceae | 7 |
| | | | | 07. | <i>Evolvulus nummularius</i> | Convolvulaceae | 1 |
| | | | | 08. | <i>Cynodon dactylon</i> | Poaceae | 2 |
| | | | | 09. | <i>Hybanthus enneaspermus</i> | Violaceae | 2 |

Field Data Sheet – 2E

Date & Time: 24/08/2022, 01:25 pm

Latitude: 23°23'44.605" N

Grid No.: 50/51

Longitude: 86°58'42.513" E

Name of the site: Jharnatala

Altitude: 873 ft

Plot no.: 2E

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|------------------|---------------|----------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 13/2.5, 10/1.5 |
| 02. | <i>Cordia dichotoma</i> | Boraginaceae | 2 | 15/3, 20/3 |
| 03. | <i>Croton persimilis</i> | Euphorbiaceae | 1 | 7/1 |
| 04. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 11/2 |
| 05. | <i>Terminalia alata</i> | Combretaceae | 12 | 14/2, 11/2, 32/4, 14/2, 16/3, 15/2, 23/3, 29/7, 12/2, 14/2.3, 12/1, 27/3 |
| 06. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 28/4, 15/2 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 17 | 20/3, 23/3, 14/2, 17/3, 17/2, 18/3, 15/3, 13/2, 13/2, 12/1.5, 13/2, 24/3, 32/3.5, 14/2, 29/7, 27/5, 16/2 |
| 08. | <i>Soymida febrifuga</i> | Meliaceae | 17 | 22/3, 22/4, 16/3, 39/4, 12/1.5, 25/3, 15/4, 34/5, 28/3, 23/3, 23/2.5, 27/4, 31/5, 15/3, 24/3, 18/3, 18/3 |
| 09. | <i>Lagerstroemia parviflora</i> | Lythraceae | 1 | 23/3 |
| 10. | <i>Gardenia latifolia</i> | Rubiaceae | 1 | 44/8 |
| 11. | <i>Flacourtia indica</i> | Salicaceae | 2 | 60/8, 55/10 |
| 12. | <i>Firmiana simplex</i> | Malvaceae | 2 | 25/2, 24/2 |
| 13. | <i>Psydrax dicoccos</i> | Rubiaceae | 1 | 22/3 |
| 14. | <i>Ixora pavetta</i> | Rubiaceae | 7 | 31/3, 17/2, 17/2, 27/3, 32/4, 19/2, 22/2.5 |
| 15. | <i>Milium velutinum</i> | Annonaceae | 1 | 20/5 |

Layer: Shrubs, Sapling & Climbers

| 2ES1 | | | | 2ES2 | | | |
|-------------|---------------------------------|---------------|------|-------------|-------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 5 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 13 |
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 | 02. | <i>Holarrhena pubescens</i> | Apocynaceae | 7 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 13 | 03. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 04. | <i>Flacourtia indica</i> | Salicaceae | 4 |
| 05. | <i>Flacourtia indica</i> | Salicaceae | 3 | 05. | <i>Casearia graveolens</i> | Salicaceae | 3 |
| 06. | <i>Casearia graveolens</i> | Salicaceae | 1 | 06. | <i>Anogeissus latifolia</i> | Combretaceae | 4 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 13 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 |
| 08. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 2 | 08. | <i>Cassia fistula</i> | Fabaceae | 1 |
| 09. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 09. | <i>Desmodium heterocarpon</i> | Fabaceae | 1 |
| 10. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 1 | 2ES4 | | | |
| 2ES3 | | | | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 4 |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 4 |

| | | | | | | | |
|-----|---------------------------------|---------------|---|-----|---------------------------------|------------------|---|
| 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 9 |
| 03. | <i>Holarrhena pubescens</i> | Apocynaceae | 4 | 04. | <i>Meyna laxiflora</i> | Rubiaceae | 5 |
| 04. | <i>Flacourtia indica</i> | Salicaceae | 2 | 05. | <i>Flacourtia indica</i> | Salicaceae | 1 |
| 05. | <i>Casearia graveolens</i> | Salicaceae | 2 | 06. | <i>Anogeissus latifolia</i> | Combretaceae | 2 |
| 06. | <i>Anogeissus latifolia</i> | Combretaceae | 9 | 07. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 |
| 07. | <i>Nyctanthes arbor-tristis</i> | Oleaceae | 1 | 08. | <i>Cordia dichotoma</i> | Boraginaceae | 3 |
| 08. | <i>Cordia dichotoma</i> | Boraginaceae | 2 | 09. | <i>Croton persimilis</i> | Euphorbiaceae | 1 |
| 09. | <i>Croton persimilis</i> | Euphorbiaceae | 2 | 10. | <i>Shorea robusta</i> | Dipterocarpaceae | 1 |
| 10. | <i>Milusa velutina</i> | Annonaceae | 1 | 11. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 11. | <i>Teramnus labialis</i> | Fabaceae | | | | | |

Seedling & Herb

| 2EH1- 23°23'44.219"N, 86°58'42.476"E | | | | 2EH2- 23°23'43.931"N, 86°58'42.505"E | | | |
|--------------------------------------|--------------------------------|------------------|------|--------------------------------------|-------------------------------|-------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 01. | <i>Desmodium heterocarpon</i> | Fabaceae | 2 |
| 02. | <i>Poa sp</i> | Poaceae | 23 | 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 03. | <i>Scleria lithosperma</i> | Cyperaceae | 29 | 03. | <i>Scleria lithosperma</i> | Cyperaceae | 24 |
| 04. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 11 | 04. | <i>Poa sp</i> | Poaceae | 13 |
| 05. | <i>Sida cordifolia</i> | Malvaceae | 2 | 05. | <i>Byttneria herbacea</i> | Malvaceae | 3 |
| 06. | <i>Cyanotis tuberosa</i> | Commelinaceae | 2 | 06. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 2EH3- 23°23'44.713"N, 86°58'42.646"E | | | | 07. | <i>Hybanthus enneaspermus</i> | Violaceae | 7 |
| 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 | 2EH4- 23°23'45.217"N, 86°58'42.113"E | | | |
| 02. | <i>Andrographis paniculata</i> | Acanthaceae | 2 | 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 03. | <i>Scleria lithosperma</i> | Cyperaceae | 17 | 02. | <i>Scleria lithosperma</i> | Cyperaceae | 13 |
| 04. | <i>Poa sp</i> | Poaceae | 5 | 03. | <i>Poa sp</i> | Poaceae | 7 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 04. | <i>Chromolaena odorata</i> | Asteraceae | 2 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 | 05. | <i>Byttneria herbacea</i> | Malvaceae | 4 |
| 07. | <i>Cheilocostus speciosus</i> | Costaceae | 2 | | | | |
| 2EH4- 23°23'44.605"N, 86°58'42.513"E | | | | | | | |
| 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | | | | |
| 02. | <i>Andrographis paniculata</i> | Acanthaceae | 1 | | | | |
| 03. | <i>Scleria lithosperma</i> | Cyperaceae | 18 | | | | |
| 04. | <i>Poa spp.</i> | Poaceae | 13 | | | | |
| 05. | <i>Byttneria herbacea</i> | Malvaceae | 5 | | | | |
| 06. | <i>Evolvulus nummularius</i> | Convolvulaceae | 1 | | | | |
| 07. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 2 | | | | |
| 08. | <i>Lepidagathis incurva</i> | Acanthaceae | 1 | | | | |
| 09. | <i>Tacca leontopetaloides</i> | Taccaceae | 1 | | | | |

Field Data Sheet - 3A

Date & Time: 24/08/2022, 02:50 pm

Latitude: 23°24'08.562" N

Grid No.: 62/61

Longitude: 86°59'01.839" E

Name of the site: Jajadhasna

Altitude: 624 ft

Plot no.: 3A

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 38 | 55/13, 75/17, 71/16.5, 40/10, 48/12, 55/13, 75/20, 57/13, 57/14, 58/14, 35/8, 46/12, 48/13, 80/22, 56/12, 68/17, 75/20, 75/17, 36/12, 40/11, 77/20, 51/11, 75/20, 53/12, 68/20, 58/13, 42/12, 67/15, 66/12, 50/13, 46/12, 65/19, 55/8, 67/18, 55/9, 48/10, 65/18, 48/9 |
| 02. | <i>Madhuca longifolia</i> | Sapotaceae | 1 | 38/8 |

Layer: Shrubs, Sapling & Climbers

| 3AS1 | | | | 3AS2 | | | |
|-------|-----------------------------------|------------------|------|-------|-----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 7 |
| 02. | <i>Miliusa velutina</i> | Annonaceae | 1 | 02. | <i>Polyalthia cerasoides</i> | Annonaceae | 3 |
| 03. | <i>Terminalia chebula</i> | Combretaceae | 2 | 03. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 04. | <i>Croton persimilis</i> | Euphorbiaceae | 12 | 04. | <i>Croton persimilis</i> | Euphorbiaceae | 2 |
| 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 | 05. | <i>Cissus repanda</i> | Vitaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 2 | 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 |
| 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 13 |
| 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 5 | 08. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 27 |
| 09. | <i>Dioscorea hispida</i> | Dioscoreaceae | 2 | 09. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| 10. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 13 | 10. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 1 |
| 11. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 11. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 12. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 3 | 12. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 |
| 13. | <i>Vitex peduncularis</i> | Lamiaceae | 3 | 13. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| 14. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | 14. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 2 |
| 15. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 1 | 15. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 |
| 16. | <i>Ixora pavetta</i> | Rubiaceae | 2 | 16. | <i>Millettia extensa</i> | Fabaceae | 2 |
| 17. | <i>Schleichera oleosa</i> | Sapindaceae | 1 | | | | |
| 3AS3 | | | | 3AS4 | | | |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 5 | 01. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 |
| 02. | <i>Diospyros sylvatica</i> | Ebenaceae | 2 | 02. | <i>Miliusa velutina</i> | Annonaceae | 1 |
| 03. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | 03. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 04. | <i>Croton persimilis</i> | Euphorbiaceae | 1 | 04. | <i>Croton persimilis</i> | Euphorbiaceae | 5 |
| 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 5 | 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 |

| | | | | | | | |
|-----|----------------------------------|------------------|----|-----|-------------------------------|------------------|----|
| 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 15 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 17 |
| 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 11 | 08. | <i>Dioscorea hispida</i> | Dioscoreaceae | 3 |
| 09. | <i>Dioscorea hispida</i> | Dioscoreaceae | 14 | 09. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 7 |
| 10. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 10. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| 11. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | 11. | <i>Azanza lampas</i> | Malvaceae | 3 |
| 12. | <i>Scindapsus officinalis</i> | Araceae | 1 | 12. | <i>Hemidesmus indicus</i> | Apocynaceae | 5 |
| 13. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 | 13. | <i>Terminalia alata</i> | Combretaceae | 2 |
| 14. | <i>Helicteres isora</i> | Malvaceae | 1 | 14. | <i>Mucuna pruriens</i> | Fabaceae | 1 |
| 15. | <i>Cassia fistula</i> | Fabaceae | 1 | 15. | <i>Lygodium flexuosum</i> | Lygodiaceae | 2 |
| 16. | <i>Desmodium heterocarpon</i> | Fabaceae | 2 | 16. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 17. | <i>Dendrolobium triangulare</i> | Fabaceae | 1 | 17. | <i>Albizia lebeck</i> | Fabaceae | 1 |
| 18. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 2 | | | | |
| 19. | <i>Butea superba</i> | Fabaceae | 1 | | | | |
| 20. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | | | | |

Seedling & Herb

| 3AH1- 23°24'08.533"N, 86°59'01.454"E | | | | 3AH2- 23°24'08.624"N, 86°59'01.976"E | | | |
|---------------------------------------|-------------------------------|------------------|------|---------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 02. | <i>Dioscorea hispida</i> | Dioscoreaceae | 2 | 02. | <i>Dioscorea hispida</i> | Dioscoreaceae | 3 |
| 03. | <i>Cissus repanda</i> | Vitaceae | 1 | 03. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 04. | <i>Cheilanthes sp</i> | Pteridaceae | 3 | 04. | <i>Symplocos racemosa</i> | Symplocaceae | 3 |
| 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 05. | <i>Panicum notatum</i> | Poaceae | 2 |
| 06. | <i>Symplocos racemosa</i> | Symplocaceae | 2 | 06. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| 3AH3 - 23°24'08.261"N, 86°59'01.785"E | | | | 07. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 7 | 3AH4- 23°24'08.291"N, 86°59'02.165"E | | | |
| 02. | <i>Cissus repanda</i> | Vitaceae | 4 | 01. | <i>Dioscorea hispida</i> | Dioscoreaceae | 2 |
| 03. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 02. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 03. | <i>Stephania japonica</i> | Menispermaceae | 2 |
| 05. | <i>Cajanus scarabaeoides</i> | Fabaceae | 3 | 04. | <i>Lygodium flexuosum</i> | Pteridaceae | 2 |
| 06. | <i>Stephania japonica</i> | Menispermaceae | 1 | 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 |
| 07. | <i>Oplismenus burmanni</i> | Poaceae | 5 | 3AH5 - 23°24'08.562"N, 86°59'01.839"E | | | |
| 08. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 |
| | | | | 02. | <i>Cissus repanda</i> | Vitaceae | 2 |
| | | | | 03. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| | | | | 04. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| | | | | 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| | | | | 06. | <i>Barleria cristata</i> | Acanthaceae | 2 |

Field Data Sheet - 3B

Date & Time: 24/08/2022, 03:30 pm

Latitude: 23°24'07.339" N

Grid No.: 62/61

Longitude: 86°59'01.380" E

Name of the site: Jajadhasna

Altitude: 777 ft

Plot no.: 3B

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 28 | 59/12, 62/13, 48/12, 65/14, 55/13, 48/13, 59/10, 40/7, 84/17, 62/9, 53/9, 87/25, 46/10, 68/14, 60/12, 62/17, 86/23, 55/15, 64/20, 67/23, 77/25, 68/22, 90/27, 53/12, 50/17, 48/14, 60/20, 53/12 |
| 02. | <i>Madhuca longifolia</i> | Sapotaceae | 1 | 50/10 |

Layer: Shrubs, Sapling & Climbers

| 3BS1 | | | | 3BS2 | | | |
|-------|-----------------------------------|------------------|------|-------|----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 1 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 |
| 02. | <i>Miliusa velutina</i> | Annonaceae | 2 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 3 |
| 03. | <i>Terminalia chebula</i> | Combretaceae | 1 | 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 04. | <i>Dioscorea hispida</i> | Dioscoreaceae | 4 | 04. | <i>Dioscorea hispida</i> | Dioscoreaceae | 4 |
| 05. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 3 | 05. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 1 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| 07. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 1 | 07. | <i>Azanza lampas</i> | Malvaceae | 1 |
| 08. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 08. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 |
| 09. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 2 | 09. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 |
| 10. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 | 10. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 5 | 11. | <i>Clerodendrum infortunatum</i> | Lamiaceae | 2 |
| 12. | <i>Millettia extensa</i> | Fabaceae | 2 | 12. | <i>Asparagus officinalis</i> | Asparagaceae | 1 |
| 13. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 | 13. | <i>Lygodium flexuosum</i> | Lygodiaceae | 2 |
| 14. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 | | | | |
| 15. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 | | | | |
| 3BS3 | | | | 3BS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Croton persimilis</i> | Euphorbiaceae | 4 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 |
| 02. | <i>Terminalia chebula</i> | Combretaceae | 2 | 02. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 03. | <i>Cissus repanda</i> | Vitaceae | 2 | 03. | <i>Cissus repanda</i> | Vitaceae | 3 |
| 04. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 04. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 |
| 05. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 5 | 05. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 |
| 06. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 1 | 06. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |

| | | | | | | | |
|--------|-------------------------------|------------------|---|-----|------------------------------|------------------|---|
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 |
| 08. | <i>Vitex peduncularis</i> | Lamiaceae | 1 | 08. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 |
| 09.10. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | 09. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 11. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 | 10. | <i>Helicteres isora</i> | Malvaceae | 5 |
| 12. | <i>Helicteres isora</i> | Malvaceae | 2 | 11. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 |
| 13. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | 12. | <i>Erycibe paniculata.</i> | Convolvulaceae | 2 |
| 14. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | | | | |

Seedling & Herb

| 3BH1- 23°24'07.142"N, 86°59'01.364"E | | | | 3BH2- 23°24'06.618"N, 86°59'01.305"E | | | |
|---------------------------------------------|-------------------------------|------------------|------|---------------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Drimia indica</i> | Asparagaceae | 5 | 01. | <i>Drimia indica</i> | Asparagaceae | 4 |
| 02. | <i>Commelina erecta</i> | Commelinaceae | 3 | 02. | <i>Commelina erecta</i> | Commelinaceae | 2 |
| 03. | <i>Aeginetia indica</i> | Orobanchaceae | 15 | 03. | <i>Aeginetia indica</i> | Orobanchaceae | 17 |
| 04. | <i>Panicum notatum</i> | Poaceae | 7 | 04. | <i>Panicum notatum</i> | Poaceae | 9 |
| 05. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 | 05. | <i>Asparagus officinalis</i> | Asparagaceae | 2 |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 15 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 12 |
| 07. | <i>Grewia hirsuta</i> | Malvaceae | 3 | 3BH4- 23°24'07.455"N, 86°59'01.595"E | | | |
| 3BH3- 23°24'07.245"N, 86°59'01.485"E | | | | 01. | <i>Drimia indica</i> | Asparagaceae | 7 |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 | 02. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 02. | <i>Aeginetia indica</i> | Orobanchaceae | 13 | 03. | <i>Aeginetia indica</i> | Orobanchaceae | 17 |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 04. | <i>Panicum notatum</i> | Poaceae | 3 |
| 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 6 | 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 6 |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 14 | 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 |
| 06. | <i>Cyanotis axillaris</i> | Commelinaceae | 2 | 3BH5- 23°24'07.339"N, 86°59'01.380"E | | | |
| | | | | 01. | <i>Drimia indica</i> | Asparagaceae | 2 |
| | | | | 02. | <i>Aeginetia indica</i> | Orobanchaceae | 10 |
| | | | | 03. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 |
| | | | | 04. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| | | | | 05. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| | | | | 06. | <i>Grewia hirsuta</i> | Malvaceae | 3 |

Field Data Sheet

Date & Time: 24/08/2022, 04:05 pm

Latitude: 23°24'07.025" N

Grid No.: 62/61

Longitude: 86°58'59.338" E

Name of the site: Jajadhasna

Altitude: 727 ft

Plot no.: 3C

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 35 | 56/13, 72/15, 69/12, 43/9, 47/11, 58/12, 79/20, 55/12, 67/14, 60/13, 35/6, 49/10, 46/11, 88/22, 71/13, 63/15, 76/19, 77/17, 36/9, 34/8, 87/20, 51/10, 75/18, 53/10, 78/20, 68/13, 52/13, 77/15, 68/12, 52/13, 87/19, 75/19, 55/10, 67/17, 65/12, |
| 02. | <i>Madhuca longifolia</i> | Sapotaceae | 3 | 45/8, 37/6, 57/11 |
| 03. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 52/10.5 |

Layer: Shrubs, Sapling & Climbers

| 3CS1 | | | | 3CS2 | | | |
|-------|-----------------------------------|----------------|------|-------|------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 1 |
| 02. | <i>Milium velutina</i> | Annonaceae | 1 | 02. | <i>Milium velutina</i> | Annonaceae | 1 |
| 03. | <i>Terminalia chebula</i> | Combretaceae | 2 | 03. | <i>Terminalia chebula</i> | Combretaceae | 2 |
| 04. | <i>Croton persimilis</i> | Euphorbiaceae | 5 | 04. | <i>Croton persimilis</i> | Euphorbiaceae | 4 |
| 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 3 | 06. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 07. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 6 |
| 08. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 1 | 08. | <i>Millettia extensa</i> | Fabaceae | 2 |
| 09. | <i>Azanza lampas</i> | Malvaceae | 3 | 09. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 |
| 10. | <i>Smilax ovalifolia</i> | Smilacaceae | 2 | 10. | <i>Aristolochia indica</i> | Aristolochiaceae | 2 |
| 11. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 11. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 |
| 12. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 3 | 12. | <i>Mallotus philippensis</i> | Euphorbiaceae | 2 |
| 13. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 | | | | |
| 14. | <i>Millettia extensa</i> | Fabaceae | 2 | | | | |

Layer: Shrubs, Sapling & Climbers

| 3CS3 | | | | 3CS4 | | | |
|-------|--------------------------|---------------|------|-------|------------------------------|-------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Croton persimilis</i> | Euphorbiaceae | 2 | 01. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 02. | <i>Azanza lampas</i> | Malvaceae | 6 | 02. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 |

| | | | | | | | |
|-----|-------------------------------|------------------|---|-----|-------------------------------|------------------|---|
| 03. | <i>Smilax ovalifolia</i> | Smilacaceae | 3 | 03. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 5 |
| 04. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 04. | <i>Erycibe paniculata.</i> | Convolvulaceae | 4 |
| 05. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 | 05. | <i>Aristolochia indica</i> | Aristolochiaceae | 2 |
| 06. | <i>Millettia extensa</i> | Fabaceae | 2 | 06. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 07. | <i>Mallotus philippensis</i> | Eupobiaceae | 5 | 07. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 | 08. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 09. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 4 | 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 10. | <i>Vitex peduncularis</i> | Lamiaceae | 1 | 10. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 11. | <i>Helicteres isora</i> | Malvaceae | 5 |
| 12. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 12. | <i>Mallotus philippensis</i> | Eupobiaceae | 1 |
| 13. | <i>Helicteres isora</i> | Malvaceae | 3 | 13. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 |
| 14. | <i>Desmodium heterocarpon</i> | Fabaceae | 1 | | | | |
| 15. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | | | | |

Seedling & Herb

| 3CH1- 23°24'06.672"N, 86°58'58.996"E | | | | 3CH2- 23°24'07.118"N, 86°58'58.930"E | | | |
|--------------------------------------|-------------------------------|------------------|------|--------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| 02. | <i>Knoxia sumatrensis</i> | Rubiaceae | 1 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 10 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 13 | 03. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 3 |
| 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 | 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 |
| 05. | <i>Flemingia nana</i> | Fabaceae | 2 | 05. | <i>Ruellia prostrata</i> | Acanthaceae | 1 |
| 06. | <i>Ruellia prostrata</i> | Acanthaceae | 3 | 06. | <i>Aeginetia indica</i> | Orobanchaceae | 5 |
| 07. | <i>Aeginetia indica</i> | Orobanchaceae | 3 | 07. | <i>Panicum notatum</i> | Poaceae | 2 |
| 08. | <i>Panicum notatum</i> | Poaceae | 5 | 3CH4- 23°24'06.431"N, 86°59'00.010"E | | | |
| 3CH3- 23°24'07.255"N, 86°59'00.021"E | | | | 01. | <i>Curculigo orchioides</i> | Hypoxidaceae | 7 |
| 01. | <i>Knoxia sumatrensis</i> | Rubiaceae | 2 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 9 |
| 02. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 | 03. | <i>Aeginetia indica</i> | Orobanchaceae | 1 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 | 04. | <i>Ruellia prostrata</i> | Acanthaceae | 2 |
| 04. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 2 | 05. | <i>Cayratia pedata.</i> | Vitaceae | 2 |
| 05. | <i>Aeginetia indica</i> | Orobanchaceae | 7 | 06. | <i>Cyperus sp</i> | Cyperaceae | 3 |
| 06. | <i>Cayratia pedata.</i> | Vitaceae | 1 | 3CH5- 23°24'07.025"N, 86°58'59.338"E | | | |
| | | | | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| | | | | 02. | <i>Aeginetia indica</i> | Orobanchaceae | 1 |
| | | | | 03. | <i>Curculigo orchioides</i> | Hypoxidaceae | 2 |
| | | | | 04. | <i>Evolvulus nummularius</i> | Convolvulaceae | 1 |

Field Data Sheet - 3D

Date & Time: 24/08/2022, 04:38 pm

Latitude: 23°24'05.539" N

Grid No.: 62/61

Longitude: 86°59'00.089" E

Name of the site: Jajadhasna

Altitude: 722 ft

Plot no.: 3D

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 26 | 62/12, 75/16, 59/13, 56/12, 78/18, 78/19, 63/16, 76/20, 67/16, 36/7, 43/8, 87/21, 61/10, 75/18, 53/10, 78/19, 67/13, 52/12, 77/16, 68/13, 52/12, 87/20, 75/17, 55/11, 77/17, 65/12, |
| 02. | <i>Madhuca longifolia</i> | Sapotaceae | 2 | 35/6, 57/13 |
| 03. | <i>Firmiana simplex</i> | Malvaceae | 1 | 68/10 |

Layer: Shrubs, Sapling & Climbers

| 3DS1 | | | | 3DS2 | | | |
|-------|-------------------------------|------------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Diospyros melanoxylon</i> | Ebenaceae | 5 | 01. | <i>Miliusa velutina</i> | Annonaceae | 1 |
| 02. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 | 02. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 |
| 03. | <i>Helicteres isora</i> | Malvaceae | 3 | 03. | <i>Erycibe paniculata.</i> | Convolvulaceae | 1 |
| 04. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | 04. | <i>Helicteres isora</i> | Malvaceae | 2 |
| 05. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 5 | 05. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 |
| 06. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 7 |
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 11 | 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 15 |
| 08. | <i>Mallotus philippensis</i> | Euphobiaceae | 2 | 08. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 09. | <i>Cayratia pedata.</i> | Vitaceae | 1 |
| 10. | <i>Cayratia pedata.</i> | Vitaceae | 1 | 10. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 |
| 11. | <i>Millettia extensa</i> | Fabaceae | 2 | 11. | <i>Chromolaena odorata</i> | Asteraceae | 1 |
| 12. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 6 | 12. | <i>Asparagus officinalis</i> | Asparagaceae | 2 |
| 13. | <i>Asparagus officinalis</i> | Asparagaceae | 1 | 13. | <i>Azanza lampas</i> | Malvaceae | 5 |
| 14. | <i>Azanza lampas</i> | Malvaceae | 3 | 14. | <i>Madhuca longifolia</i> | Sapotaceae | 2 |
| 15. | <i>Firmiana simplex</i> | Malvaceae | 1 | 15. | <i>Grewia asiatica</i> | Malvaceae | 6 |
| 16. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 16. | <i>Polyalthia suberosa</i> | Annonaceae | 2 |
| 17. | <i>Grewia asiatica</i> | Malvaceae | 2 | | | | |
| 3DS3 | | | | 3DS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 01. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 |
| 02. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 02. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 9 | 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |

| | | | | | | | |
|-----|---------------------------------|-------------|---|-----|-------------------------------|------------------|---|
| 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 04. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 |
| 05. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 06. | <i>Millettia extensa</i> | Fabaceae | 3 | 06. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |
| 07. | <i>Dendrolobium triangulare</i> | Fabaceae | 1 | 07. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 |
| 08. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 08. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 09. | <i>Cissus repanda</i> | Vitaceae | 5 | 09. | <i>Azanza lampas</i> | Malvaceae | 3 |
| 10. | <i>Madhuca longifolia</i> | Sapotaceae | 2 | 10. | <i>Alangium salviifolium</i> | Cornaceae | 2 |
| 11. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 11. | <i>Polyalthia suberosa</i> | Annonaceae | 1 |
| 12. | <i>Alangium salviifolium</i> | Cornaceae | 3 | | | | |

Seedling & Herb

| 3DH1- 23°24'05.495"N, 86°59'00.000"E | | | | 3DH2- 23°24'05.440"N, 86°59'00.324"E | | | |
|--------------------------------------|-------------------------------|------------------|------|--------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| 02. | <i>Knoxia sumatrensis</i> | Rubiaceae | 1 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 | 03. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 1 |
| 04. | <i>Ruellia prostrata</i> | Acanthaceae | 2 | 04. | <i>Aeginetia indica</i> | Orobanchaceae | 4 |
| 05. | <i>Aeginetia indica</i> | Orobanchaceae | 3 | 05. | <i>Panicum notatum</i> | Poaceae | 2 |
| 06. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 1 | | | | |
| 3DH3- 23°24'05.827"N, 86°59'00.280"E | | | | 3DH4- 23°24'05.942"N, 86°59'00.000"E | | | |
| 01. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 | 01. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 |
| 02. | <i>Flemingia nana</i> | Fabaceae | 1 | 02. | <i>Ruellia prostrata</i> | Acanthaceae | 2 |
| 03. | <i>Allmania nodiflora</i> | Amaranthaceae | 3 | 03. | <i>Dicliptera chinensis</i> | Acanthaceae | 3 |
| 04. | <i>Flemingia macrophylla</i> | Fabaceae | 1 | 04. | <i>Byttneria herbacea</i> | Malvaceae | 4 |
| 05. | <i>Cyperus sp</i> | Cyperaceae | 7 | 05. | <i>Cyperus sp</i> | Cyperaceae | 1 |
| 06. | <i>Oplismenus burmanni</i> | Poaceae | 11 | 3DH5- 23°24'05.539"N, 86°59'00.089"E | | | |
| | | | | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 |
| | | | | 02. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 2 |
| | | | | 03. | <i>Aeginetia indica</i> | Orobanchaceae | 5 |
| | | | | 04. | <i>Hybanthus enneaspermus</i> | Violaceae | 2 |
| | | | | 05. | <i>Oplismenus burmanni</i> | Poaceae | 1 |

Field Data Sheet - 3E

Date & Time: 24/08/2022, 05:13 pm

Latitude: 23°24'06.683" N

Grid No.: 62/61

Longitude: 86°59'00.558" E

Name of the site: Jajadhasna

Altitude: 691 ft

Plot no.: 3E

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------|------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 29 | 60/12, 78/16, 69/13, 56/11, 78/17, 68/16, 66/16, 76/19, 67/15, 86/21, 45/8, 87/22, 62/10, 65/18, 53/11, 78/18, 65/13, 52/11, 78/16, 58/13, 52/10, 87/18, 76/17, 55/10, 87/18, 65/13, 42/7, 65/14, 98/24 |
| 02. | <i>Madhuca longifolia</i> | Sapotaceae | 1 | 56/12 |

Layer: Shrubs, Sapling & Climbers

| 3ES1 | | | | 3ES2 | | | |
|-------|-------------------------------|------------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 5 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 9 |
| 03. | <i>Asparagus officinalis</i> | Asparagaceae | 2 | 03. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 |
| 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 4 | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 5 |
| 05. | <i>Cissus repanda</i> | Vitaceae | 3 | 05. | <i>Cissus repanda</i> | Vitaceae | 3 |
| 06. | <i>Croton persimilis</i> | Euphorbiaceae | 1 | 06. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 07. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 07. | <i>Croton persimilis</i> | Euphorbiaceae | 5 |
| 08. | <i>Flemingia macrophylla</i> | Fabaceae | 1 | 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 09. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 09. | <i>Cayratia pedata.</i> | Vitaceae | 1 |
| 10. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 | 10. | <i>Holarrhena pubescens</i> | Apocynaceae | 3 |
| 11. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 2 | 11. | <i>Flacourtia indica</i> | Salicaceae | 2 |
| 12. | <i>Antidesma ghaesembilla</i> | Phyllanthaceae | 1 | 12. | <i>Casearia graveolens</i> | Salicaceae | 1 |
| 13. | <i>Casearia graveolens</i> | Salicaceae | 2 | 13. | <i>Lygodium flexuosum</i> | Lygodiaceae | 2 |
| 14. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 | 14. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 |
| 15. | <i>Ventilago denticulata</i> | Rhamnaceae | 2 | | | | |

Layer: Shrubs, Sapling & Climbers

| 3ES3 | | | | 3ES4 | | | |
|-------|-----------------------------|------------------|------|-------|------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 12 | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 11 |
| 02. | <i>Ixora pavetta</i> | Rubiaceae | 2 | 02. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 03. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 03. | <i>Asparagus officinalis</i> | Asparagaceae | 1 |
| 04. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 | 04. | <i>Aristolochia indica</i> | Aristolochiaceae | 2 |
| 05. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 05. | <i>Firmiana simplex</i> | Malvaceae | 1 |

| | | | | | | | |
|-----|------------------------------|-------------|---|-----|------------------------------|----------------|---|
| 06. | <i>Azanza lampas</i> | Malvaceae | 5 | 06. | <i>Cayratia pedata.</i> | Vitaceae | 2 |
| 07. | <i>Flemingia macrophylla</i> | Fabaceae | 1 | 07. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 08. | <i>Holarrhena pubescens</i> | Apocynaceae | 3 | 08. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 2 |
| 09. | <i>Flacourtia indica</i> | Salicaceae | 2 | 09. | <i>Casearia graveolens</i> | Salicaceae | 3 |
| 10. | <i>Lygodium flexuosum</i> | Lygodiaceae | 3 | 10. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 11. | <i>Ventilago denticulata</i> | Rhamnaceae | 1 | 11. | <i>Leea indica</i> | Vitaceae | 1 |
| 12. | <i>Leea indica</i> | Vitaceae | 2 | | | | |

Seedling & Herb

| 3EH1- 23°24'05.907"N, 86°59'00.155"E | | | | 3EH2- 23°24'06.649"N, 86°59'00.892"E | | | |
|--------------------------------------|-------------------------------|------------------|------|--------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |
| 02. | <i>Aeginetia indica</i> | Orobanchaceae | 3 | 02. | <i>Aeginetia indica</i> | Orobanchaceae | 2 |
| 03. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 1 | 03. | <i>Byttneria herbacea</i> | Malvaceae | 3 |
| 04. | <i>Hybanthus enneaspermus</i> | Violaceae | 5 | 04. | <i>Leucas angularis</i> | Lamiaceae | 5 |
| 05. | <i>Oplismenus burmanni</i> | Poaceae | 2 | 05. | <i>Cyperus sp</i> | Cyperaceae | 2 |
| 06. | <i>Leucas angularis</i> | Lamiaceae | 3 | 3EH4- 23°24'07.137"N, 86°59'00.151"E | | | |
| 3EH3- 23°24'07.117"N, 86°59'00.748"E | | | | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 10 |
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 8 | 02. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 |
| 02. | <i>Panicum notatum</i> | Poaceae | 5 | 03. | <i>Leucas angularis</i> | Lamiaceae | 3 |
| 03. | <i>Byttneria herbacea</i> | Malvaceae | 3 | 04. | <i>Flacourtia indica</i> | Salicaceae | 1 |
| 04. | <i>Ruellia prostrata</i> | Acanthaceae | 1 | 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 |
| 05. | <i>Allmania nodiflora</i> | Amaranthaceae | 2 | 06. | <i>Cyperus sp.</i> | Cyperaceae | 2 |
| 06. | <i>Flemingia macrophylla</i> | Fabaceae | 1 | 3EH5- 23°24'06.683"N, 86°59'00.558"E | | | |
| | | | | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| | | | | 02. | <i>Oplismenus burmanni</i> | Poaceae | 6 |
| | | | | 03. | <i>Aeginetia indica</i> | Orobanchaceae | 2 |
| | | | | 04. | <i>Leucas angularis</i> | Lamiaceae | 3 |
| | | | | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 |
| | | | | 06. | <i>Commelina erecta</i> | Commelinaceae | 1 |

Field Data Sheet - 4A

Date & Time: 25/08/2022, 10:00 am

Latitude: 23°23'39.862" N

Grid No.: 250/251

Longitude: 86°59'34.074" E

Name of the site: Gandehor

Altitude: 850 ft

Plot no.: 4A

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 32 | 68/15, 30/2, 73/18, 56/15, 60/15, 64/12, 55/12, 63/15, 50/10, 41/8, 71/18, 60/17, 35/7, 73/18, 67/15, 70/18, 63/15, 25/5, 26/2, 73/12, 72/18, 55/12, 59/18, 51/16, 64/17, 60/21, 41/8, 70/20, 50/19, 49/13, 42/10, 75/22 |
| 02. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 24/3 |
| 03. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 6 | 30/7, 32/8, 24/5, 30/5, 17/8, 40/13 |
| 04. | <i>Madhuca longifolia</i> | Sapotaceae | 1 | 93/7 |
| 05. | <i>Vitex peduncularis</i> | Lamiaceae | 2 | 37/8, 25/6 |

Layer: Shrubs, Sapling & Climbers

| 4AS1 | | | | 4AS2 | | | |
|-------|--------------------------------|------------------|------|-------|------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 01. | <i>Meyna laxiflora</i> | Rubiaceae | 3 |
| 02. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 | 02. | <i>Erycibe paniculata.</i> | Convolvulaceae | 1 |
| 03. | <i>Barleria prionitis</i> | Acanthaceae | 2 | 03. | <i>Barleria prionitis</i> | Acanthaceae | 2 |
| 04. | <i>Stephania japonica</i> | Menispermaceae | 1 | 04. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 |
| 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 07. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 4 | 07. | <i>Dioscorea hispida</i> | Dioscoreaceae | 1 |
| 08. | <i>Bauhinia vahlii</i> | Fabaceae | 1 | 08. | <i>Bauhinia vahlii</i> | Fabaceae | 2 |
| 09. | <i>Croton persimilis</i> | Euphorbiaceae | 2 | 09. | <i>Croton persimilis</i> | Euphorbiaceae | 3 |
| 10. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 | 10. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 11. | <i>Smilax zeylanica</i> | Smilacaceae | 2 | 11. | <i>Sterculia villosa</i> | Malvaceae | 1 |
| 12. | <i>Kydia calycina</i> | Malvaceae | 5 | 12. | <i>Pavetta indica</i> | Rubiaceae | 2 |
| 13. | <i>Lygodium flexuosum</i> | Lygodiaceae | 3 | | | | |
| 14. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | | | | |
| 4AS3 | | | | 4AS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 01. | <i>Barleria prionitis</i> | Acanthaceae | 3 |
| 02. | <i>Erycibe paniculata.</i> | Convolvulaceae | 3 | 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 |
| 03. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 | 03. | <i>Dioscorea hispida</i> | Dioscoreaceae | 3 |
| 04. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 | 04. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 |
| 05. | <i>Bauhinia vahlii</i> | Fabaceae | 2 | 05. | <i>Croton persimilis</i> | Euphorbiaceae | 3 |
| 06. | <i>Azanza lampas</i> | Malvaceae | 5 | 06. | <i>Sterculia villosa</i> | Malvaceae | 1 |
| 07. | <i>Smilax zeylanica</i> | Smilacaceae | 3 | 07. | <i>Catunaregam spinosa</i> | Rubiaceae | 2 |

| | | | | | | | |
|-----|------------------------------|------------------|---|-----|-------------------------------|-------------|---|
| 08. | <i>Kydia calycina</i> | Malvaceae | 6 | 08. | <i>Lygodium flexuosum</i> | Lygodiaceae | 3 |
| 09. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 9 | 09. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 10. | <i>Cissus repanda</i> | Vitaceae | 3 | 10. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |
| 11. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 11. | <i>Ixora pavetta</i> | Rubiaceae | 1 |
| 12. | <i>Casearia graveolens</i> | Salicaceae | 2 | 12. | <i>Ziziphus oenopolia</i> | Rhamnaceae | 1 |
| 13. | <i>Flemingia macrophylla</i> | Fabaceae | 3 | | | | |
| 14. | <i>Vitex peduncularis</i> | Lamiaceae | 2 | | | | |

Seedling & Herb

| 4AH1- 23°23'40.228"N, 86°59'34.423"E | | | | 4AH2- 23°23'39.699"N, 86°59'34.515"E | | | |
|--------------------------------------|--------------------------------|------------------|------|--------------------------------------|--------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Albizia procera</i> | Fabaceae | 1 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 6 |
| 02. | <i>Commelina suffruticosa</i> | Commelinaceae | 11 | 02. | <i>Stephania japonica</i> | Menispermaceae | 4 |
| 03. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 9 | 03. | <i>Adiantum sp</i> | Pteridaceae | 3 |
| 04. | <i>Oplismenus burmanni</i> | Poaceae | 3 | 04. | <i>Panicum notatum</i> | Poaceae | 3 |
| 05. | <i>Stephania japonica</i> | Menispermaceae | 2 | 05. | <i>Barleria prionitis</i> | Acanthaceae | 2 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 1 | 06. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 07. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 4AH4- 23°23'40.453"N, 86°59'33.863"E | | | |
| 4AH3- 23°23'39.225"N, 86°59'34.262"E | | | | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 12 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 17 | 03. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 03. | <i>Stephania japonica</i> | Menispermaceae | 5 | 04. | <i>Aeginetia indica</i> | Orobanchaceae | 3 |
| 04. | <i>Leucas angularis</i> | Lamiaceae | 2 | 05. | <i>Curculigo orchoides</i> | Hypoxidaceae | 2 |
| 05. | <i>Grewia hirsute</i> | Malvaceae | 3 | 06. | <i>Grewia hirsute</i> | Malvaceae | 4 |
| 4AH5- 23°23'39.862"N, 86°59'34.074"E | | | | | | | |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 | | | | |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 6 | | | | |
| 03. | <i>Panicum notatum</i> | Poaceae | 3 | | | | |
| 04. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 | | | | |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | | | | |
| 06. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 3 | | | | |
| 07. | <i>Vitex peduncularis</i> | Lamiaceae | 1 | | | | |
| 08. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 | | | | |

Field Data Sheet - 4B

Date & Time: 25/08/2022, 10:48 am

Latitude: 23°23'38.536" N

Grid No.: 250/251

Longitude: 86°59'32.499" E

Name of the site: Gandehor

Altitude: 937 ft

Plot no.: 4B

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 41 | 57/16, 45/15, 60/22, 55/18, 32/9, 84/13, 89/18, 72/23, 70/24, 41/8, 57/22, 48/18, 66/24, 53/12, 57/12, 63/15, 66/18, 50/16, 63/22, 75/23, 79/24, 24/6, 47/14, 60/18, 62/15, 40/13, 66/23, 57/18, 55/17, 76/24, 40/14, 55/22, 51/16, 89/25, 45/19, 45/15, 63/22, 49/13, 55/18, 77/23, 45/10 |
| 02. | <i>Meyna laxiflora</i> | Rubiaceae | 2 | 18/3, 26/2.5 |
| 03. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 2 | 30/8.5, 18/3 |
| 04. | <i>Semecarpus kathalekanensis</i> | Anacardiaceae | 1 | 24/8 |

Layer: Shrubs, Sapling & Climbers

| 4BS1 | | | | 4BS2 | | | |
|-------|--------------------------------|------------------|------|-------|-----------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 4 | 02. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 4 |
| 03. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 | 03. | <i>Croton persimilis</i> | Euphorbiaceae | 3 |
| 04. | <i>Croton persimilis</i> | Euphorbiaceae | 5 | 04. | <i>Helicteres isora</i> | Malvaceae | 5 |
| 05. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 05. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 |
| 06. | <i>Scindapsus officinalis</i> | Araceae | 2 | 06. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 07. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 07. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 08. | <i>Symplocos racemosa</i> | Symplocaceae | 2 | 08. | <i>Ampelocissus latifolia</i> | Vitaceae | 6 |
| 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 6 | 09. | <i>Smilax zeylanica</i> | Smilacaceae | 2 |
| 10. | <i>Terminalia chebula</i> | Combretaceae | 2 | 10. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| 11. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 8 | 12. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| | | | | 13. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 2 |
| 4BS3 | | | | 4BS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 | 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 5 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 |
| 03. | <i>Croton persimilis</i> | Euphorbiaceae | 5 | 03. | <i>Helicteres isora</i> | Malvaceae | 4 |
| 04. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 04. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 |

| | | | | | | | |
|-----|-----------------------------------|------------------|---|-----|-----------------------------|------------------|----|
| 05. | <i>Flacourtia indica</i> | Salicaceae | 1 | 05. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 3 | 06. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 07. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 07. | <i>Smilax zeylanica</i> | Smilacaceae | 2 |
| 08. | <i>Bauhinia vahlii</i> | Fabaceae | 1 | 08. | <i>Symplocos racemosa</i> | Symplocaceae | 3 |
| 09. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 9 | 09. | <i>Terminalia chebula</i> | Combretaceae | 2 |
| 10. | <i>Meyna laxiflora</i> | Rubiaceae | 3 | 10. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 11 |
| 11. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 2 | | | | |

Seedling & Herb

| 4BH1- 23°23'39.212"N, 86°59'33.508"E | | | | 4BH2- 23°23'39.270"N, 86°59'33.153"E | | | |
|--------------------------------------|--------------------------------|------------------|------|--------------------------------------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 7 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 6 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 5 |
| 03. | <i>Stephania japonica</i> | Menispermaceae | 3 | 03. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 04. | <i>Cissus repanda</i> | Vitaceae | 1 | 04. | <i>Panicum notatum</i> | Poaceae | 3 |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 6 |
| 06. | <i>Pterocarpus marsupium</i> | Fabaceae | 1 | 4BH4- 23°23'39.181"N, 86°59'32.758"E | | | |
| 4BH3- 23°23'39.902"N, 86°59'32.562"E | | | | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 6 | 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 5 |
| 02. | <i>Stephania japonica</i> | Menispermaceae | 3 | 03. | <i>Stephania japonica</i> | Menispermaceae | 2 |
| 03. | <i>Cissus repanda</i> | Vitaceae | 2 | 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 | 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 1 |
| 05. | <i>Panicum notatum</i> | Poaceae | 5 | 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 |
| 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 07. | <i>Sida cordifolia</i> | Malvaceae | 3 |
| 4BH5- 23°23'38.536"N, 86°59'32.499"E | | | | 08. | <i>Cissampelos pareira</i> | Menispermaceae | 1 |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 | | | | |
| 02. | <i>Stephania japonica</i> | Menispermaceae | 5 | | | | |
| 03. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 | | | | |
| 04. | <i>Vitex peduncularis</i> | Lamiaceae | 2 | | | | |
| 05. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 | | | | |
| 06. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | | | | |
| 07. | <i>Ventilago denticulata</i> | Rhamnaceae | | | | | |

Field Data Sheet - 4C

Date & Time: 25/08/2022, 11:45 am

Latitude: 23°23'38.380" N

Grid No.: 250/251

Longitude: 86°59'31.595" E

Name of the site: Gandehor

Altitude: 1058 ft

Plot no.: 4C

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|----------------------------------|------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 36 | 31/8, 39/14, 59/20, 55/14, 58/18, 47/12, 60/24, 24/4, 44/12, 62/20, 40/12, 89/25, 40/18, 47/20, 89/21, 64/19, 54/18, 64/20, 62/23, 70/25, 58/26, 45/17, 77/18, 56/19, 51/19, 48/11, 28/7, 56/21, 38/14, 63/20, 78/21, 36/13, 64/23, 85/24, 77/22, 100/27, |
| 02. | <i>Croton persimilis</i> | Euphorbiaceae | 1 | 22/4 |
| 03. | <i>Garuga pinnata</i> | Burseraceae | 1 | 51/12 |
| 04. | <i>Grewia serrulata</i> | Malvaceae | 4 | 47/6, 23/6, 23/4, 39/7 |
| 05. | <i>Ziziphus sp</i> | Rhamnaceae | 1 | 22/4 |
| 06. | <i>Semicapus kathalekanensis</i> | Anacardiaceae | 1 | 18/3 |
| 07. | <i>Milusa velutina</i> | Annonaceae | 1 | 25/5 |
| 08. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | 42/8 |

Layer: Shrubs, Sapling & Climbers

| 4CS1 | | | | 4CS2 | | | |
|-------|--------------------------------|------------------|------|-------|--------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 | 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 02. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 |
| 03. | <i>Bridelia retusa</i> | Phyllanthaceae | 2 | 03. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 |
| 04. | <i>Smilax zeylanica</i> | Smilacaceae | 1 | 04. | <i>Bauhinia vahlii</i> | Fabaceae | 2 |
| 05. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 | 05. | <i>Erycibe paniculata</i> | Convolvulaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 7 | 06. | <i>Casearia graveolens</i> | Salicaceae | 1 |
| 07. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 07. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 | 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 |
| 09. | <i>Asparagus racemosus</i> | Asparagaceae | 2 | 09. | <i>Scindapsus officinalis</i> | Araceae | 1 |
| 10. | <i>Catunaregam spinosa</i> | Rubiaceae | 2 | 10. | <i>Grewia serrulata</i> | Malvaceae | 3 |
| 11. | <i>Cissampelos pareira</i> | Menispermaceae | 1 | 11. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 |
| 12. | <i>Helicteres isora</i> | Malvaceae | 4 | | | | |
| 13. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | | | | |
| 4CS3 | | | | 4CS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 4 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 |

| | | | | | | | |
|-----|-------------------------------|----------------|---|-----|------------------------------|---------------|---|
| 02. | <i>Croton persimilis</i> | Euphorbiaceae | 2 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 2 |
| 03. | <i>Bridelia retusa</i> | Phyllanthaceae | 2 | 03. | <i>Smilax zeylanica</i> | Smilacaceae | 2 |
| 04. | <i>Bauhinia vahlii</i> | Fabaceae | 1 | 04. | <i>Ventilago denticulata</i> | Rhamnaceae | 1 |
| 05. | <i>Erycibe paniculata</i> | Convolvulaceae | 2 | 05. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 06. | <i>Casearia tomentosa</i> | Salicaceae | 1 | 06. | <i>Casearia graveolens</i> | Salicaceae | 2 |
| 07. | <i>Schleichera oleosa</i> | Sapidaceae | 2 | 07. | <i>Schleichera oleosa</i> | Sapidaceae | 1 |
| 08. | <i>Vitex peduncularis</i> | Lamiaceae | 2 | 08. | <i>Vitex peduncularis</i> | Lamiaceae | 1 |
| 09. | <i>Scindapsus officinalis</i> | Araceae | 1 | 09. | <i>Leea indica</i> | Vitaceae | 2 |
| 10. | <i>Asparagus racemosus</i> | Asparagaceae | 2 | | | | |
| 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 | | | | |

Seedling & Herb

| 4CH1- 23°23'38.772"N, 86°59'31.723"E | | | | 4CH2- 23°23'38.578"N, 86°59'31.221"E | | | |
|--------------------------------------|--------------------------------|---------------|------|--------------------------------------|--------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 4 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 6 |
| 02. | <i>Panicum notatum</i> | Poaceae | 3 | 02. | <i>Globba rahmanii</i> | Zingiberaceae | 4 |
| 03. | <i>Globba rahmanii</i> | Zingiberaceae | 5 | 03. | <i>Biophytum sensitivum</i> | Oxalidaceae | 7 |
| 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 2 | 04. | <i>Adiantum sp</i> | Pteridaceae | 3 |
| 05. | <i>Aeginetia indica</i> | Orobanchaceae | 2 | 05. | <i>Flemingia macrophylla</i> | Fabaceae | 1 |
| 06. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 5 | 4CH4- 23°23'38.528"N, 86°59'30.585"E | | | |
| 4CH3- 23°23'38.288"N, 86°59'30.949"E | | | | 01. | <i>Cissus repanda</i> | Vitaceae | 4 |
| 01. | <i>Cissus repanda</i> | Vitaceae | 1 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 4 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 12 | 03. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 10 |
| 03. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 | 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 |
| 04. | <i>Panicum notatum</i> | Poaceae | 5 | 05. | <i>Globba rahmanii</i> | Zingiberaceae | 6 |
| 05. | <i>Globba rahmanii</i> | Zingiberaceae | 4 | 06. | <i>Biophytum sensitivum</i> | Oxalidaceae | 2 |
| 06. | <i>Adiantum sp</i> | Pteridaceae | 2 | 4CH5- 23°23'38.380"N, 86°59'31.595"E | | | |
| 07. | <i>Flemingia macrophylla</i> | Fabaceae | 1 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| | | | | 02. | <i>Panicum notatum</i> | Poaceae | 6 |
| | | | | 03. | <i>Globba rahmanii</i> | Zingiberaceae | 2 |
| | | | | 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 2 |
| | | | | 05. | <i>Aeginetia indica</i> | Orobanchaceae | 3 |
| | | | | 06. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 5 |

Field Data Sheet - 4D

Date & Time: 25/08/2022, 12:35 pm

Latitude: 23°23'38.075" N

Grid No.: 250/251

Longitude: 86°59'29.377" E

Name of the site: Gandehor

Altitude: 1093 ft

Plot no.: 4D

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------------|------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 47 | 69/18, 49/14, 57/12, 65/14, 59/18, 47/11, 66/21, 54/9, 47/10, 72/20, 80/21, 87/25, 90/18, 47/10, 89/19, 64/17, 64/18, 67/19, 76/23, 70/21, 59/22, 45/11, 77/16, 58/17, 51/12, 64/12, 28/4, 56/15, 39/9, 63/12, 78/20, 56/13, 96/23, 85/21, 77/18, 108/26, 55/11, 79/18, 58/14, 64/15, 90/21, 91/18, 72/19, 53/13, 59/14, 42/18, 75/19 |
| 02. | <i>Grewia serrulata</i> | Malvaceae | 3 | 41/6, 27/5, 49/7 |
| 03. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 2 | 36/10, 28/4 |
| 04. | <i>Vitex peduncularis</i> | Lamiaceae | 3 | 41/5, 36/4.5, 46/8 |
| 05. | <i>Milusa velutina</i> | Annonaceae | 2 | 61/7, 32/5 |
| 06. | <i>Garuga pinnata</i> | Burseraceae | 1 | 58/11 |

Layer: Shrubs, Sapling & Climbers

| 4DS1 | | | | 4DS2 | | | |
|-------|--------------------------------|------------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 5 | 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 4 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 2 |
| 03. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 03. | <i>Smilax zeylanica</i> | Smilacaceae | 3 |
| 04. | <i>Bauhinia vahlii</i> | Fabaceae | 2 | 04. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 05. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 | 05. | <i>Erycibe paniculata</i> | Convolvulaceae | 3 |
| 06. | <i>Cissus repanda</i> | Vitaceae | 2 | 06. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 07. | <i>Casearia tomentosa</i> | Salicaceae | 1 | 07. | <i>Casearia tomentosa</i> | Salicaceae | 3 |
| 08. | <i>Vitex peduncularis</i> | Lamiaceae | 2 | 08. | <i>Schleichera oleosa</i> | Sapidaceae | 1 |
| 09. | <i>Phyllodium pulchellum</i> | Fabaceae | 5 | 09. | <i>Scindapsus officinalis</i> | Araceae | 2 |
| 10. | <i>Asparagus racemosus</i> | Asparagaceae | 2 | 10. | <i>Leea indica</i> | Vitaceae | 4 |
| 11. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 | 11. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 12. | <i>Grewia serrulata</i> | Malvaceae | 3 | 12. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 |
| 13. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | | | | |
| 14. | <i>Flemingia macrophylla</i> | Fabaceae | 2 | | | | |
| 4DS3 | | | | 4DS4 | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 | 01. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 |
| 02. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 |
| 03. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 03. | <i>Smilax zeylanica</i> | Smilacaceae | 2 |

| | | | | | | | |
|-----|------------------------------|------------------|---|-----|-------------------------------|------------------|---|
| 04. | <i>Bauhinia vahlii</i> | Fabaceae | 2 | 04. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 05. | <i>Cissus repanda</i> | Vitaceae | 4 | 05. | <i>Ventilago denticulata</i> | Rhamnaceae | 2 |
| 06. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 06. | <i>Erycibe paniculata</i> | Convolvulaceae | 4 |
| 07. | <i>Vitex peduncularis</i> | Lamiaceae | 3 | 07. | <i>Casearia tomentosa</i> | Salicaceae | 1 |
| 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 7 | 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 09. | <i>Schleichera oleosa</i> | Sapidaceae | 1 | 09. | <i>Asparagus racemosus</i> | Asparagaceae | 1 |
| 10. | <i>Leea indica</i> | Vitaceae | 2 | 10. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 11. | <i>Grewia serrulata</i> | Malvaceae | 3 | 11. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 |
| 12. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 6 | | | | |
| 13. | <i>Azanza lampas</i> | Malvaceae | 4 | | | | |
| 14. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | | | | |

Seedling & Herb

| 4DH1- 23°23'38.620"N, 86°59'29.232"E | | | | 4DH2- 23°23'38.920"N, 86°59'29.330"E | | | |
|--------------------------------------|-------------------------------|------------------|------|--------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |
| 02. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 |
| 03. | <i>Panicum notatum</i> | Poaceae | 3 | 03. | <i>Panicum notatum</i> | Poaceae | 7 |
| 04. | <i>Globba rahmanii</i> | Zingiberaceae | 6 | 04. | <i>Globba rahmanii</i> | Zingiberaceae | 8 |
| 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 | 05. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 2 |
| 06. | <i>Leucas angularis</i> | Lamiaceae | 2 | 4DH4- 23°23'38.391"N, 86°59'28.857"E | | | |
| 4DH3- 23°23'38.523"N, 86°59'28.899"E | | | | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 |
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | 02. | <i>Lepidagathis incurva</i> | Acanthaceae | 2 |
| 02. | <i>Lepidagathis incurva</i> | Acanthaceae | 2 | 03. | <i>Biophytum sensitivum</i> | Oxalidaceae | 5 |
| 03. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 04. | <i>Aeginetia indica</i> | Orobanchaceae | 2 |
| 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 | 05. | <i>Panicum notatum</i> | Poaceae | 6 |
| 05. | <i>Zingiber montanum</i> | Zingiberaceae | 2 | 4DH5- 23°23'38.075"N, 86°59'29.377"E | | | |
| 06. | <i>Cyperus sp.</i> | Cyperaceae | 7 | 01. | <i>Cyperus sp.</i> | Cyperaceae | 7 |
| | | | | 02. | <i>Panicum notatum</i> | Poaceae | 9 |
| | | | | 03. | <i>Zingiber montanum</i> | Zingiberaceae | 3 |
| | | | | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |

Field Data Sheet - 4E

Date & Time: 25/08/2022, 01:25 pm

Latitude: 23°23'38.569" N

Grid No.: 250/251

Longitude: 86°59'26.917" E

Name of the site: Gandehor

Altitude: 1125 ft

Plot no.: 4E

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|-----------------------------------|------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 25 | 69/15, 50/11, 85/16, 63/15, 58/12, 47/10, 60/15, 58/14, 80/16, 75/14, 48/13, 42/10, 43/14, 66/15, 51/10, 75/15, 73/13, 66/14, 42/9, 51/11, 30/7, 65/14, 57/12, 63/16, 58/14 |
| 02. | <i>Lannea coromandelica</i> | Anacardiaceae | 2 | 45/8, 51/10 |
| 03. | <i>Croton persimilis</i> (Putula) | Euphorbiaceae | 3 | 19/5, 26/5.5, 37/7 |
| 04. | <i>Buchanania cochinchinensis</i> | Anacardiaceae | 3 | 51/10, 45/9, 26/5 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 36/3 |
| 06. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 | 41/9, 67/15, 37/8 |
| 07. | <i>Madhuca longifolia</i> (Mohua) | Sapotaceae | 3 | 25/6, 110/18, 52/9 |
| 08. | <i>Milium velutina</i> | Annonaceae | 1 | 36/6 |
| 09. | <i>Ficus mollis</i> | Moraceae | 1 | 46/7 |

Layer: Shrubs, Sapling & Climbers

| 4ES1 | | | | 4ES2 | | | |
|-------|------------------------------|----------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Helicteres isora</i> | Malvaceae | 5 | 01. | <i>Kydia calycina</i> | Malvaceae | 2 |
| 02. | <i>Phyllodium pulchellum</i> | Fabaceae | 2 | 02. | <i>Meyna laxiflora</i> | Rubiaceae | 1 |
| 03. | <i>Azanza lampas</i> | Malvaceae | 1 | 03. | <i>Grewia serrulata</i> | Malvaceae | 3 |
| 04. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 04. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 05. | <i>Leea indica</i> | Vitaceae | 2 | 05. | <i>Helicteres isora</i> | Malvaceae | 2 |
| 06. | <i>Erycibe paniculata</i> | Convolvulaceae | 1 | 06. | <i>Azanza lampas</i> | Malvaceae | 1 |
| 07. | <i>Cissus repanda</i> | Vitaceae | 4 | 07. | <i>Bridelia retusa</i> | Phyllanthaceae | 2 |
| 08. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 08. | <i>Cissus repanda</i> | Vitaceae | 7 |
| 09. | <i>Bauhinia vahlii</i> | Fabaceae | 1 | 09. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| | | | | 10. | <i>Ampelocissus latifolia</i> | Vitaceae | 8 |

Layer: Shrubs, Sapling & Climbers

| 4ES3 | | | | 4ES4 | | | |
|-------|-------------------------|----------------|------|-------|------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Helicteres isora</i> | Malvaceae | 4 | 01. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 02. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 02. | <i>Grewia serrulata</i> | Malvaceae | 2 |
| 03. | <i>Azanza lampas</i> | Malvaceae | 3 | 03. | <i>Phyllodium pulchellum</i> | Fabaceae | 3 |
| 04. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 04. | <i>Croton persimilis</i> | Euphorbiaceae | 1 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 2 | 05. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |

| | | | | | | | |
|-----|-------------------------------|------------------|---|-----|-------------------------------|----------------|---|
| 06. | <i>Cissus repanda</i> | Vitaceae | 9 | 06. | <i>Leea indica</i> | Vitaceae | 2 |
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 07. | <i>Erycibe paniculata</i> | Convolvulaceae | 2 |
| 08. | <i>Smilax zeylanica</i> | Smilacaceae | 2 | 08. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 6 | 09. | <i>Asparagus racemosus</i> | Asparagaceae | 1 |
| 10. | <i>Ventilago denticulata</i> | Rhamnaceae | 2 | | | | |

Seedling & Herb

| 4EH1- 23°23'38.901"N, 86°59'26.771"E | | | | 4EH2- 23°23'38.470"N, 86°59'27.391"E | | | |
|--------------------------------------|--------------------------------|------------------|------|--------------------------------------|--------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Cissus repanda</i> | Vitaceae | 3 | 01. | <i>Cissus repanda</i> | Vitaceae | 1 |
| 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 2 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 |
| 03. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 | 03. | <i>Stephania japonica</i> | Menispermaceae | 1 |
| 04. | <i>Stephania japonica</i> | Menispermaceae | 2 | 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 |
| 05. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 05. | <i>Panicum notatum</i> | Poaceae | 2 |
| 06. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 1 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 07. | | | | 07. | <i>Vitex peduncularis</i> | Lamiaceae | 1 |
| 4EH3- 23°23'38.541"N, 86°59'26.680"E | | | | 4EH4- 23°23'38.302"N, 86°59'26.340"E | | | |
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Cissus repanda</i> | Vitaceae | 1 | 01. | <i>Cissus repanda</i> | Vitaceae | 2 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 3 | 02. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 1 |
| 03. | <i>Stephania japonica</i> | Menispermaceae | 1 | 03. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 1 |
| 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 | 04. | <i>Stephania japonica</i> | Menispermaceae | 3 |
| 05. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 05. | <i>Commelina suffruticosa</i> | Commelinaceae | 1 |
| 06. | <i>Catunaregam spinosa</i> | Rubiaceae | 1 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 4EH5- 23°23'38.569"N, 86°59'26.917"E | | | | 07. | <i>Phyllodium pulchellum</i> | Fabaceae | 1 |
| 01. | <i>Adiantum sp.</i> | Pteridaceae | 1 | 08. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 |
| 02. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 | | | | |
| 03. | <i>Stephania japonica</i> | Menispermaceae | 1 | | | | |
| 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 3 | | | | |
| 05. | <i>Panicum notatum</i> | Poaceae | 3 | | | | |
| 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 | | | | |
| 07. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | | | | |

Field Data Sheet - 5A

Date & Time: 25/08/2022, 02:45 pm

Latitude: 23°23'42.371" N

Grid No.: 159

Longitude: 86°59'15.704" E

Name of the site:

Altitude: 1408 ft

Plot no.: 5A

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 | 145/13, 120/12 |
| 02. | <i>Polyalthia cerasoides</i> | Annonaceae | 4 | 58/12, 32/6, 41/7, 55/12 |
| 03. | <i>Miliusa sp</i> | Annonaceae | 1 | 56/10 |
| 04. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 | 65/10, 52/8, 55/11, 25/4, 35/5, 42/6 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 7 | 52/3, 56/4, 58/4, 45/3, 48/4, 62/4, 47/3 |
| 08. | <i>Firmiana simplex</i> | Malvaceae | 1 | 59/8 |
| 09. | <i>Anogeissus latifolia</i> | Cobretaceae | 26 | 53/8, 42/7, 59/8, 49/6, 47/6, 56/9, 51/8, 35/3.5, 56/6, 43/5, 57/7, 62/10, 39/5, 56/7, 51/5, 31/3.5, 40/4.5, 26/3, 29/3.5, 45/7, 54/6, 46/5, 48/6, 37/3.5, 17/2, 25/3 |
| 10. | <i>Lagerstroemia parviflora</i> | Lythraceae | 4 | 56/12, 35/5, 39/5, 49/9 |
| 11. | <i>Haldina cordifolia</i> | Rubiaceae | 1 | 47/8 |
| 12. | <i>Grewia serrulata</i> | Malvaceae | 5 | 35/4, 43/5, 37/4, 31/3, 33/3.5 |
| 13. | <i>Kydia calycina</i> | Malvaceae | 15 | 52/6.5, 56/7, 55/8, 49/6, 62/9, 45/5, 36/4, 42/5, 40/5, 46/5.5, 51/8, 48/6, 43/6, 55/10, 51/8 |
| 14. | <i>Cassia fistula</i> | Fabaceae | 2 | 63/16, 39/10 |

Layer: Shrubs, Sapling & Climbers

| 5AS1 | | | | 5AS2 | | | |
|-------|---------------------------------|----------------|------|-------|------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Leea indica</i> | Vitaceae | 3 | 01. | Ukown Poaceae | Poaceae | 35 |
| 02. | Ukown Poaceae | Poaceae | 28 | 02. | <i>Kydia calycina</i> | Malvaceae | 6 |
| 03. | <i>Kydia calycina</i> | Malvaceae | 7 | 03. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 04. | <i>Azanza lampas</i> | Malvaceae | 3 | 04. | <i>Cleistanthus collinus</i> | Phyllanthaceae | 3 |
| 05. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 2 | 05. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 1 |
| 06. | <i>Lygodium flexuosum</i> | Lygodiaceae | 3 | 06. | <i>Ixora pavetta</i> | Rubiaceae | 5 |
| 07. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 07. | <i>Grewia serrulata</i> | Malvaceae | 2 |
| 08. | <i>Lagerstroemia parviflora</i> | Lythraceae | 1 | | | | |

Layer: Shrubs, Sapling & Climbers

| 5AS3 | | | | 5AS4 | | | |
|-------|-----------------------|---------|------|-------|-----------------------|----------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | Ukown Poaceae | Poaceae | 31 | 01. | <i>Leea indica</i> | Vitaceae | 2 |

| | | | | | | | |
|-----|-------------------------------|----------------|---|-----|---------------------------------|-------------|----|
| 02. | <i>Kydia calycina</i> | Malvaceae | 6 | 02. | Ukown Poaceae | Poaceae | 29 |
| 03. | <i>Tacca leontopetaloides</i> | Dioscoreaceae | 5 | 03. | <i>Kydia calycina</i> | Malvaceae | 4 |
| 04. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 2 | 04. | <i>Grewia serrulata</i> | Malvaceae | 3 |
| 05. | <i>Anogeissus latifolia</i> | Cobretaceae | 6 | 05. | <i>Anogeissus latifolia</i> | Cobretaceae | 5 |
| 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 5 | 06. | <i>Lagerstroemia parviflora</i> | Lythraceae | 2 |
| 07. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 07. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 08. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | | | | |

Seedling & Herb

| 5AH1- 23°23'42.691"N, 86°59'14.938"E | | | | 5AH2- 23°23'42.522"N, 86°59'15.642"E | | | |
|--------------------------------------|---------------------------------|----------------|------|--------------------------------------|-------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 | 01. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 |
| 02. | Ukown Poaceae | Poaceae | 8 | 02. | <i>Commelina suffruticosa</i> | Commelinaceae | 7 |
| 03. | <i>Commelina suffruticosa</i> | Commelinaceae | 6 | 03. | <i>Poa sp</i> | Poaceae | 6 |
| 04. | <i>Phyllanthus niruri</i> | Phyllanthaceae | 2 | 04. | <i>Urena sp</i> | Malvaceae | 2 |
| 05. | <i>Cyperus sp</i> | Cyperaceae | 8 | 05. | <i>Azanza lampas</i> | Malvaceae | 1 |
| 06. | <i>Polygala arvensis</i> | Polygalaceae | 3 | 5AH4- 23°23'42.675"N, 86°59'15.234"E | | | |
| 07. | <i>Kydia calycina</i> | Malvaceae | 1 | 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 5AH3- 23°23'42.335"N, 86°59'15.815"E | | | | 02. | <i>Adiantum sp.</i> | Pteridaceae | 26 |
| 01. | <i>Grewia hirsuta</i> | Malvaceae | 3 | 03. | <i>Poa sp</i> | Poaceae | 5 |
| 02. | <i>Commelina suffruticosa</i> | Commelinaceae | 6 | 04. | <i>Sida cordifolia</i> | Malvaceae | 6 |
| 03. | Ukown Poaceae | Poaceae | 6 | 5AH5- 23°23'42.371"N, 86°59'15.704"E | | | |
| 04. | <i>Kydia calycina</i> | Malvaceae | 2 | 01. | Ukown Poaceae | Poaceae | 5 |
| 05. | <i>Polygala arvensis</i> | Polygalaceae | 3 | 02. | <i>Urena sp</i> | Malvaceae | 3 |
| 06. | <i>Lagerstroemia parviflora</i> | Lythraceae | 3 | 03. | <i>Grewia hirsuta</i> | Malvaceae | 4 |
| 07. | <i>Curculigo orchoides</i> | Hypoxidaceae | 2 | 04. | <i>Polygala arvensis</i> | Polygalaceae | 2 |
| | | | | 05. | <i>Anogeissus latifolia</i> | Cobretaceae | 2 |
| | | | | 06. | <i>Triumfetta rhomboidea</i> | Malvaceae | 3 |

Field Data Sheet - 5B

Date & Time: 25/08/2022, 03:00 pm

Latitude: 23°23'42.952" N

Grid No.: 159

Longitude: 86°59'14.460" E

Name of the site:

Altitude: 1410 ft

Plot no.: 5B

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Flacourtia indica</i> | Salicaceae | 2 | 66/12,36/6 |
| 02. | <i>Lagerstroemia parviflora</i> | Lythraceae | 10 | 45/3,56/10, 65/11, 36/4, 38/3, 49/4, 55/8, 49/6, 58/10, 32/3 |
| 03. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 50/10, 15/3, 21/4 |
| 04. | <i>Polyalthia cerasoides</i> | Annonaceae | 12 | 42/8, 53/10, 56/11, 32/6, 22/3, 19/3, 45/7, 29/4, 38/5, 55/10, 51/11, 43/6 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 7 | 45/3, 56/5, 51/5.5, 32/3, 22/2.5, 35/4, 43/5 |
| 06. | <i>Kydia calycina</i> | Malvaceae | 5 | 47/8, 21/3, 25/4, 36/4, 19/2.5 |
| 07. | <i>Anogeissus latifolia</i> | Combretaceae | 20 | 37/6,26/5, 15/4, 12/4, 88/7, 16/5, 18/6, 23/5, 43/8, 17/4, 25/7, 32/7, 19/4, 25/6, 45/9, 21/3.5, 56/10, 52/11, 42/8, 55/12 |
| 08. | <i>Lannea coromandelica</i> | Anacardiaceae | 5 | 53/10, 68/12, 36/7, 55/10, 46/9 |
| 09. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 | 55/10, 47/8, 61/11 |
| 10. | <i>Soymida febrifuga</i> | Meliaceae | 1 | 32/5 |
| 11. | <i>Diospyros melanoxylon</i> | Ebenaceae | 8 | 29/4, 26/6, 56/10, 30/7, 22/6, 18/3, 38/8, 48/9 |
| 12. | <i>Casearia graveolens</i> | Salicaceae | 2 | 25/4, 15/2.5 |
| 13. | <i>Cassia fistula</i> | Fabaceae | 3 | 51/10, 37/6, 46/8 |
| 14. | <i>Suregada multiflora</i> | Euphorbiaceae | 3 | 19/3, 22/3.5, 15/2.5 |

Layer: Shrubs, Sapling & Climbers

| 5BS1 | | | | 5BS2 | | | |
|-------|-------------------------------|---------------|------|-------|---------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Flacourtia indica</i> | Salicaceae | 2 | 01. | <i>Lagerstroemia parviflora</i> | Lythraceae | 3 |
| 02. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 02. | <i>Croton persimilis</i> | Euphorbiaceae | 1 |
| 03. | <i>Polyalthia cerasoides</i> | Annonaceae | 1 | 03. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 04. | <i>Anogeissus latifolia</i> | Combretaceae | 5 | 04. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 05. | <i>Leea indica</i> | Vitaceae | 2 | 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 4 |
| 06. | <i>Grewia serrulata</i> | Malvaceae | 1 | 06. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 07. | <i>Tacca leontopetaloides</i> | Dioscoreaceae | 2 | 07. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 08. | <i>Phyllodium pulchellum</i> | Fabaceae | 4 | | | | |
| 09. | <i>Suregada multiflora</i> | Euphorbiaceae | 1 | | | | |

Layer: Shrubs, Sapling & Climbers

| 5BS3 | | | | 5BS4 | | | |
|-------|---------------------------------|----------------|------|-------|------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 01. | Ukown Poaceae | Poaceae | 12 |
| 02. | <i>Bridelia tomentosa</i> | Phyllanthaceae | 1 | 02. | <i>Asparagus officinalis</i> | Asparagaceae | 3 |
| 03. | <i>Anogeissus latifolia</i> | Cobretaceae | 3 | 03. | <i>Smilax zeylanica</i> | Smilacaceae | 1 |
| 04. | <i>Azanza lampas</i> | Malvaceae | 2 | 04. | <i>Grewia hirsuta</i> | Malvaceae | 3 |
| 05. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | 05. | <i>Erycibe paniculata</i> | Convolvulaceae | 2 |
| 06. | <i>Erycibe paniculata</i> | Convolvulaceae | 2 | 06. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 |
| 07. | <i>Lagerstroemia parviflora</i> | Lythraceae | 5 | 07. | <i>Kydia calycina</i> | Malvaceae | 5 |
| 08. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 08. | <i>Bauhinia vahlii</i> | Fabaceae | 2 |
| 09. | <i>Ixora pavetta</i> | Rubiaceae | 3 | 09. | <i>Suregada multiflora</i> | Euphorbiaceae | 3 |
| 10. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 5 | 10. | <i>Tinospora cordifolia</i> | Menispermaceae | 5 |
| 11. | <i>Tinospora cordifolia</i> | Menispermaceae | 2 | 11. | <i>Gymnema sylvestre</i> | Apocynaceae | 2 |
| 12. | <i>Gymnema sylvestre</i> | Apocynaceae | 3 | | | | |

Seedling & Herb

| 5BH1- 23°23'42.288"N, 86°59'14.096"E | | | | 5BH2- 23°23'42.379"N, 86°59'14.012"E | | | |
|---------------------------------------------|--------------------------------|---------------|------|---------------------------------------------|--------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Adiantum sp.</i> | Pteridaceae | 16 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 12 | 02. | <i>Cajanus scarabaeoides</i> | Fabaceae | 13 |
| 03. | <i>Triumfetta rhomboidea</i> | Malvaceae | 7 | 03. | <i>Commelina suffruticosa</i> | Commelinaceae | 4 |
| 04. | <i>Poa sp.</i> | Poaceae | 18 | 04. | Unknpwn Poaceae | Poaceae | 25 |
| 05. | <i>Dioscorea pentaphylla</i> | Dioscoreaceae | 3 | 05. | <i>Evolvulus nummularius</i> | Convolvulaceae | 4 |
| 06. | <i>Grewia hirsuta</i> | Malvaceae | 3 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 07. | <i>Knoxia sumatrensis</i> | Rubiaceae | 3 | 5BH4- 23°23'42.915"N, 86°59'14.496"E | | | |
| 5BH3- 23°23'43.134"N, 86°59'14.322"E | | | | 01. | <i>Adiantum sp.</i> | Pteridaceae | 13 |
| 01. | <i>Biophytum sensitivum</i> | Oxalidaceae | 3 | 02. | <i>Biophytum sensitivum</i> | Oxalidaceae | 5 |
| 02. | <i>Knoxia sumatrensis</i> | Rubiaceae | 2 | 03. | <i>Cyanotis tuberosa</i> | Commelinaceae | 3 |
| 03. | <i>Cyanotis tuberosa</i> | Commelinaceae | 2 | 04. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |
| 04. | <i>Habenaria plantaginea</i> | Orchidaceae | 2 | 05. | <i>Habenaria plantaginea</i> | Orchidaceae | 1 |
| 05. | <i>Cyperus sp</i> | Cyteraceae | 11 | 5BH5- 23°23'42.952"N, 86°59'14.460"E | | | |
| 06. | <i>Poa sp.</i> | Poaceae | 15 | 01. | <i>Adiantum sp.</i> | Pteridaceae | 8 |
| 07. | <i>Spermacoce sp</i> | Rubiaceae | 4 | 02. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| 08. | <i>Kydia calycina</i> | Malvaceae | 1 | 03. | <i>Habenaria plantaginea</i> | Orchidaceae | 1 |
| | | | | 04. | <i>Cyanotis tuberosa</i> | Commelinaceae | 5 |
| | | | | 05. | <i>Commelina suffruticosa</i> | Commelinaceae | 2 |
| | | | | 06. | <i>Teramnus labialis</i> | Fabaceae | 1 |
| | | | | 07. | <i>Curculigo orchoides</i> | Hypoxidaceae | 6 |
| | | | | 08. | <i>Anogeissus latifolia</i> | Combretaceae | 2 |

Field Data Sheet – 5C

Date & Time: 25/08/2022, 03:35 pm

Latitude: 23°23'43.213" N

Grid No.: 159

Longitude: 86°59'11.580" E

Name of the site:

Altitude: 1412 ft

Plot no.: 5C

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|------------------|---------------|-------------------------------------------------------------------------------------------------------|
| 01. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 | 60/14 |
| 02. | <i>Schleichera oleosa</i> | Sapindaceae | 4 | 45/10, 53/12, 47/10, 19/4, 25/6 |
| 03. | <i>Diospyros sylvatica</i> | Ebenaceae | 8 | 35/5, 32/5, 56/12, 46/10, 49/10, 31/5, 36/5, 25/4, |
| 04. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 63/15, 42/10, 55/12 |
| 05. | <i>Anogeissus latifolia</i> | Combretaceae | 16 | 32/7, 25/4, 19/3.5, 16/3, 53/12, 45/7, 38/9, 41/9, 21/4, 16/3, 12/2.5, 51/11, 43/8, 25/7, 55/10, 37/8 |
| 06. | <i>Soymida febrifuga</i> | Meliaceae | 6 | 59/12, 63/15, 43/10, 17/3, 27/5, 38/9 |
| 07. | <i>Lanea coromandelica</i> | Anacardiaceae | 4 | 65/13, 58/12, 37/6, 45/8 |
| 08. | <i>Flacourtia indica</i> | Salicaceae | 1 | 32/5 |
| 09. | <i>Ixora pavetta</i> | Rubiaceae | 2 | 42/3, 39/3 |
| 10. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 39/7, 56/10, 24/3 |
| 11. | <i>Kydia calycina</i> | Malvaceae | 5 | 35/4, 31/3, 44/6, 15/3, 12/2.5 |
| 12. | <i>Casearia tomentosa</i> | Salicaceae | 1 | 20/3 |
| 13. | <i>Grewia serrulata</i> | Malvaceae | 5 | 34/5, 28/3, 26/3, 33/4, 19/2.5 |
| 14. | <i>Cassia fistula</i> | Fabaceae | 3 | 53/12, 58/12, 30/5 |
| 15. | <i>Mallotus philippensis</i> | Euphorbiaceae | 3 | 23/3, 30/4, 36/5 |
| 16. | <i>Lagerstroemia parviflora</i> | Lythraceae | 9 | 56/8, 49/7, 53/8, 42/7, 30/4, 17/3, 14/2.5 |

Layer: Shrubs, Sapling & Climbers

| 5CS1 | | | | 5CS2 | | | |
|-------|---------------------------------|---------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Schleichera oleosa</i> | Sapindaceae | 2 | 01. | <i>Bridelia retusa</i> | Phyllanthaceae | 1 |
| 02. | <i>Diospyros sylvatica</i> | Ebenaceae | 5 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 |
| 03. | <i>Anogeissus latifolia</i> | Combretaceae | 7 | 03. | <i>Grewia serrulata</i> | Malvaceae | 3 |
| 04. | <i>Croton persimilis</i> | Euphorbiaceae | 2 | 04. | <i>Croton persimilis</i> | Euphorbiaceae | 2 |
| 05. | <i>Lagerstroemia parviflora</i> | Lythraceae | 4 | 05. | <i>Mallotus philippensis</i> | Euphorbiaceae | 3 |
| 06. | <i>Kydia calycina</i> | Malvaceae | 1 | 06. | <i>Kydia calycina</i> | Malvaceae | 6 |
| 07. | <i>Chromolaena odorata</i> | Asteraceae | 1 | 07. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 |
| 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 | 08. | <i>Meyna laxiflora</i> | Rubiaceae | 2 |
| 09. | <i>Ixora pavetta</i> | Rubiaceae | 5 | | | | |
| 10. | <i>Gymnema sylvestre</i> | Apocynaceae | 3 | | | | |

Layer: Shrubs, Sapling & Climbers

| 5CS3 | | | | 5CS4 | | | |
|-------|-------------------------------|----------------|------|-------|---------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 1 | 01. | <i>Schleichera oleosa</i> | Sapindaceae | 2 |
| 02. | <i>Soyimida febrifuga</i> | Meliaceae | 3 | 02. | <i>Diospyros sylvatica</i> | Ebenaceae | 3 |
| 03. | <i>Anogeissus latifolia</i> | Combretaceae | 5 | 03. | <i>Anogeissus latifolia</i> | Combretaceae | 8 |
| 04. | <i>Chromolaena odorata</i> | Asteraceae | 1 | 04. | <i>Lagerstroemia parviflora</i> | Lythraceae | 4 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 4 | 05. | <i>Ixora pavetta</i> | Rubiaceae | 5 |
| 06. | <i>Kydia calycina</i> | Malvaceae | 7 | 06. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 07. | <i>Mallotus philippensis</i> | Euphorbiaceae | 2 | 07. | <i>Mallotus philippensis</i> | Euphorbiaceae | 3 |
| 08. | <i>Grewia serrulata</i> | Malvaceae | 3 | 08. | <i>Casearia tomentosa</i> | Salicaceae | 1 |
| 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 6 | 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 4 |
| 10. | <i>Flacourtia indica</i> | Salicaceae | 1 | 10. | <i>Gymnema sylvestre</i> | Apocynaceae | 2 |
| 11. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | | | | |
| 12. | <i>Tinospora cordifolia</i> | Menispermaceae | 1 | | | | |
| 13. | <i>Gymnema sylvestre</i> | Apocynaceae | 5 | | | | |

Seedling & Herb

| 5CH1- 23°23'43.077"N, 86°59'12.243"E | | | | 5CH2- 23°23'43.156"N, 86°59'12.029"E | | | |
|---------------------------------------------|--------------------------------|---------------|------|---------------------------------------------|--------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Adiantum sp.</i> | Pteridaceae | 6 | 01. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 1 |
| 02. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 | 02. | <i>Triumfetta rhomboidea</i> | Malvaceae | 2 |
| 03. | <i>Poa spp.</i> | Poaceae | 2 | 03. | <i>Habenaria plantaginea</i> | Orchidaceae | 1 |
| 04. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 | 04. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 05. | <i>Croton persimilis</i> | Euphorbiaceae | 3 | 05. | <i>Curculigo orchioides</i> | Hypoxidaceae | 2 |
| 06. | <i>Cyanotis tuberosa</i> | Commelinaceae | 2 | 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 |
| 07. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 | 07. | <i>Poa sp.</i> | Poaceae | 2 |
| 08. | <i>Curculigo orchioides</i> | Hypoxidaceae | 1 | 5CH4- 23°23'43.145"N, 86°59'11.863"E | | | |
| 5CH3- 23°23'43.108"N, 86°59'11.861"E | | | | 01. | <i>Poa sp.</i> | Poaceae | 5 |
| 01. | <i>Adiantum sp.</i> | Pteridaceae | 3 | 02. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 02. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 2 | 03. | <i>Croton persimilis</i> | Euphorbiaceae | 2 |
| 03. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 | 04. | <i>Cajanus scarabaeoides</i> | Fabaceae | 2 |
| 04. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 | 05. | <i>Cyanotis tuberosa</i> | Commelinaceae | 1 |
| 05. | <i>Cissus repanda</i> | Vitaceae | 2 | 06. | <i>Biophytum sensitivum</i> | Oxalidaceae | 3 |
| 06. | <i>Cyanotis tuberosa</i> | Commelinaceae | 2 | 5CH5- 23°23'43.213"N, 86°59'11.580"E | | | |
| 07. | <i>Commelina suffruticosa</i> | Commelinaceae | 4 | 01. | <i>Knoxia sumatrensis</i> | Rubiaceae | 2 |
| | | | | 02. | <i>Grewia hirsuta</i> | Malvaceae | 3 |
| | | | | 03. | <i>Cyanotis tuberosa</i> | Commelinaceae | 2 |
| | | | | 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 |
| | | | | 05. | <i>Dioscorea oppositifolia</i> | Dioscoreaceae | 1 |

Field Data Sheet - 5D

Date & Time: 25/08/2022, 04:05 pm

Latitude: 23°23'43.542" N

Grid No.: 159

Longitude: 86°59'09.972" E

Name of the site:

Altitude: 1397 ft

Plot no.: 5D

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 6 | 36/7, 55/13, 65/12, 42/5, 25/4, 47/8 |
| 02. | <i>Ixora pavetta</i> | Rubiaceae | 15 | 49/8, 15/2.5, 35/4, 23/3, 53/8, 18/3, 29/3.5, 24/3, 37/4, 46/5, 41/4, 16/3, 45/6, 43/4, 30/3 |
| 03. | <i>Madhuca longifolia</i> | Sapotaceae | 3 | 13/2, 68/14, 57/10 |
| 04. | <i>Anogeissus latifolia</i> | Combretaceae | 16 | 42/5, 45/5, 43/6, 55/8, 59/10, 56/10, 46/9, 51/8, 52/9, 36/4, 19/3, 25/2.5, 27/3, 29/4, 31/3.5, 16/2 |
| 05. | <i>Diospyros sylvatica</i> | Ebenaceae | 5 | 51/10, 63/12, 47/9, 34/5, 46/8 |
| 06. | <i>Ficus sp</i> | Moraceae | 2 | 43/10, 46/8 |
| 07. | <i>Lagerstroemia parviflora</i> | Lythraceae | 7 | 44/8, 39/7, 36/5, 28/5, 34/4, 50/10, 23/3 |
| 08. | <i>Diospyros melanoxylon</i> | Ebenaceae | 2 | 61/10, 35/5 |
| 09. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 27 | 62/18, 55/12, 82/20, 43/9, 56/13, 72/19, 60/16, 39/14, 79/22, 70/20, 42/11, 58/12, 19/6, 63/15, 75/19, 57/16, 53/17, 63/15, 43/14, 37/11, 68/16, 52/12, 48/16, 54/25, 65/21, 67/18, 68/17 |
| 10. | <i>Kydia calycina</i> | Malvaceae | 9 | 49/8, 45/6, 53/9, 36/5, 18/3, 51/9, 46/4, 27/3, 42/6 |
| 11. | <i>Haldina cordifolia</i> | Rubiaceae | 1 | 41/6 |
| 12. | <i>Polyalthia cerasoides</i> | Annonaceae | 11 | 47/10, 53/12, 19/3, 48/9, 55/12, 39/5, 44/7, 36/5, 34/6, 38/8, 17/2.5 |

Layer: Shrubs, Sapling & Climbers

| 5DS1 | | | | 5DS2 | | | |
|-------|---------------------------------|------------------|------|-------|---------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 3 | 01. | <i>Ixora pavetta</i> | Rubiaceae | 6 |
| 02. | <i>Anogeissus latifolia</i> | Combretaceae | 8 | 02. | <i>Lagerstroemia parviflora</i> | Lythraceae | 5 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 4 | 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 |
| 04. | <i>Lagerstroemia parviflora</i> | Lythraceae | 6 | 04. | <i>Polyalthia cerasoides</i> | Annonaceae | 7 |
| 05. | <i>Polyalthia cerasoides</i> | Annonaceae | 5 | 05. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 |
| 06. | <i>Ventilago denticulata</i> | Rhamnaceae | 3 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 07. | <i>Chromolaena odorata</i> | Asteraceae | 1 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 1 |
| 08. | <i>Ixora pavetta</i> | Rubiaceae | 2 | | | | |

Layer: Shrubs, Sapling & Climbers

| 5DS3 | | | | 5DS4 | | | |
|-------|---------------------------------|------------------|------|-------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Ventilago denticulata</i> | Rhamnaceae | 2 | 01. | <i>Ixora pavetta</i> | Rubiaceae | 5 |
| 02. | <i>Lagerstroemia parviflora</i> | Lythraceae | 3 | 02. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 7 |
| 03. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 5 | 03. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 04. | <i>Kydia calycina</i> | Malvaceae | 3 | 04. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 05. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 05. | <i>Bauhinia vahlii</i> | Fabaceae | 1 |
| 06. | <i>Helicteres isora</i> | Malvaceae | 1 | 06. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 07. | <i>Stephania japonica</i> | Menispermaceae | 4 |
| 08. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 | 08. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 09. | <i>Grewia serrulata</i> | Malvaceae | 3 | | | | |

Seedling & Herb

| 5DH1- 23°23'43.159"N, 86°59'10.062"E | | | | 5DH2- 23°23'43.957"N, 86°59'10.467"E | | | |
|---------------------------------------------|-------------------------------|------------------|------|---------------------------------------------|-------------------------------|------------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 | 01. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 |
| 02. | <i>Cyanotis axillaris</i> | Commelinaceae | 4 | 02. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 |
| 03. | <i>Evolvulus nummularius</i> | Convolvulaceae | 2 | 03. | <i>Evolvulus nummularius</i> | Convolvulaceae | 2 |
| 04. | <i>Hybanthus enneaspermus</i> | Violaceae | 3 | 04. | <i>Cheilanthes tenuifolia</i> | Pteridaceae | 5 |
| 05. | <i>Sida cordata</i> | Malvaceae | 2 | 05. | <i>Polygala javana</i> | Polygonaceae | 4 |
| 06. | <i>Poa sp.</i> | Poaceae | 3 | 5DH4- 23°23'43.729"N, 86°59'09.636"E | | | |
| 5DH3- 23°23'43.958"N, 86°59'10.456"E | | | | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 8 |
| 01. | <i>Cissus repanda</i> | Vitaceae | 3 | 02. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 |
| 02. | <i>Cyanotis tuberosa</i> | Commelinaceae | 4 | 03. | <i>Adiantum sp.</i> | Pteridaceae | 4 |
| 03. | <i>Commelina suffruticosa</i> | Commelinaceae | 6 | 04. | <i>Kydia calycina</i> | Malvaceae | 2 |
| 04. | <i>Triumfetta rhomboidea</i> | Malvaceae | 1 | 05. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 05. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 5DH5- 23°23'43.542"N, 86°59'09.972"E | | | |
| 06. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 3 | 01. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 |
| 07. | <i>Poa sp.</i> | Poaceae | 2 | 02. | <i>Evolvulus nummularius</i> | Convolvulaceae | 1 |
| 08. | <i>Setaria barbata</i> | Poaceae | 3 | 03. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 |
| | | | | 04. | <i>Shorea robusta</i> (Sal) | Dipterocarpaceae | 2 |
| | | | | 05. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |

Field Data Sheet - 5E

Date & Time: 25/08/2022, 04:35 pm

Latitude: 23°23'43.981" N

Grid No.: 159

Longitude: 86°59'08.264" E

Name of the site:

Altitude: 1405 ft

Plot no.: 5E

Layer: Trees

| Sl. No. | Plant Scientific Name | Family | No. of Plants | Girth(cm)/Height(m) |
|---------|---------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------|
| 01. | <i>Lannea coromandelica</i> | Anacardiaceae | 12 | 56/10, 42/7, 52/8, 32/4, 16/3, 25/3, 43/5, 48/9, 63/12, 23/4, 37/5 38/5 |
| 02. | <i>Lagerstroemia parviflora</i> | Lythraceae | 18 | 41/8, 33/5, 43/7, 48/10, 25/4, 12/2.5, 46/4, 56/10, 52/10, 30/4, 39/6, 20/3.5, 16/2.5, 55/9, 47/8, 40/7, 35/5, 50/10 |
| 03. | <i>Kydia calycina</i> | Malvaceae | 7 | 32/5, 29/5.5, 27/4, 36/4, 36/5, 18/3, 26/4 |
| 04. | <i>Polyalthia cerasoides</i> | Annonaceae | 13 | 45/10, 46/8, 46/8.5, 38/5, 41/4, 13/2, 16/2.5, 44/6, 51/12, 17/2.5, 26/4, 35/8, 31/4 |
| 05. | <i>Milium velutina</i> | Annonaceae | 1 | 43/8 |
| 06. | <i>Ixora pavetta</i> | Rubiaceae | 6 | 45/3, 46/4, 53/8, 19/2.5, 23/3, 41/4 |
| 07. | <i>Mallotus philippensis</i> | Euphorbiaceae | 3 | 35/6, 42/8, 17/3 |
| 08. | <i>Diospyros sylvatica</i> | Ebenaceae | 4 | 56/12, 47/10, 38/6, 15/2.5 |
| 09. | <i>Diospyros melanoxylon</i> | Ebenaceae | 3 | 46/8, 51/10, 18/3 |
| 10. | <i>Schleichera oleosa</i> | Sapindaceae | 1 | 56/12 |
| 11. | <i>Suregada multiflora</i> | Euphorbiaceae | 2 | 23/3, 27/4 |
| 12. | <i>Tectona grandis</i> | Lamiaceae | 3 | 59/13, 63/14, 35/7 |

Layer: Shrubs, Sapling & Climbers

| SES1 | | | | SES2 | | | |
|-------|-------------------------------|---------------|------|-------|---------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Suregada multiflora</i> | Euphorbiaceae | 3 | 01. | <i>Ventilago denticulata</i> | Rhamnaceae | 1 |
| 02. | <i>Diospyros sylvatica</i> | Ebenaceae | 1 | 02. | <i>Mallotus philippensis</i> | Euphorbiaceae | 2 |
| 03. | <i>Mallotus philippensis</i> | Euphorbiaceae | 2 | 03. | <i>Diospyros melanoxylon</i> | Ebenaceae | 1 |
| 04. | <i>Ixora pavetta</i> | Rubiaceae | 4 | 04. | <i>Ixora pavetta</i> | Rubiaceae | 4 |
| 05. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 | 05. | <i>Polyalthia cerasoides</i> | Annonaceae | 3 |
| 06. | <i>Kydia calycina</i> | Malvaceae | 3 | 06. | <i>Lagerstroemia parviflora</i> | Lythraceae | 4 |
| 07. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 | 07. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 08. | <i>Cajanus scarabaeoides</i> | Fabaceae | 1 | 08. | <i>Grewia serrulata</i> | Malvaceae | 1 |
| 09. | <i>Grewia serrulata</i> | Malvaceae | 2 | 09. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 |
| 10. | <i>Ampelocissus latifolia</i> | Vitaceae | 2 | 10. | <i>Azanza lampas</i> | Malvaceae | 2 |
| 11. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | | | | |

Layer: Shrubs, Sapling & Climbers

| SES3 | | | | SES4 | | | |
|-------|---------------------------------|------------------|------|-------|-------------------------------|---------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Aristolochia indica</i> | Aristolochiaceae | 1 | 01. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 02. | <i>Azanza lampas</i> | Malvaceae | 2 | 02. | <i>Ampelocissus latifolia</i> | Vitaceae | 3 |
| 03. | <i>Hemidesmus indicus</i> | Apocynaceae | 2 | 03. | <i>Smilax ovalifolia</i> | Smilacaceae | 1 |
| 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 3 | 04. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 |
| 05. | <i>Kydia calycina</i> | Malvaceae | 2 | 05. | <i>Polyalthia cerasoides</i> | Annonaceae | 2 |
| 06. | <i>Polyalthia cerasoides</i> | Annonaceae | 4 | 06. | <i>Cajanus scarabaeoides</i> | Fabaceae | 3 |
| 07. | <i>Suregada multiflora</i> | Euphorbiaceae | 3 | 07. | <i>Grewia serrulata</i> | Malvaceae | 2 |
| 08. | <i>Lagerstroemia parviflora</i> | Lythraceae | 2 | 08. | <i>Kydia calycina</i> | Malvaceae | 3 |
| 09. | <i>Ventilago denticulata</i> | Rhamnaceae | 1 | 09. | <i>Chromolaena odorata</i> | Asteraceae | 4 |
| 10. | <i>Ichnocarpus frutescens</i> | Apocynaceae | 2 | 10. | <i>Gymnema sylvestre</i> | Apocynaceae | 2 |
| 11. | <i>Meyna laxiflora</i> | Rubiaceae | 1 | | | | |
| 12. | <i>Helicteres isora</i> | Malvaceae | 2 | | | | |

Seedling & Herb

| 5EH1- 23°23'43.472"N, 86°59'08.642"E | | | | 5EH2- 23°23'44.197"N, 86°59'08.415"E | | | |
|--------------------------------------|-------------------------------|---------------|------|--------------------------------------|-------------------------------|----------------|------|
| S.No. | Plant Scientific Name | Family | Nos. | S.No. | Plant Scientific Name | Family | Nos. |
| 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 6 | 01. | <i>Adiantum sp.</i> | Pteridaceae | 15 |
| 02. | <i>Triumfetta rhomboidea</i> | Malvaceae | 2 | 02. | <i>Triumfetta rhomboidea</i> | Malvaceae | 2 |
| 03. | <i>Poa sp.</i> | Poaceae | 11 | 03. | <i>Hybanthus enneaspermus</i> | Violaceae | 7 |
| 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 3 | 04. | <i>Curculigo orchioides</i> | Hypoxidaceae | 5 |
| 05. | <i>Cyanotis tuberosa</i> | Commelinaceae | 1 | 05. | <i>Poa sp.</i> | Poaceae | 3 |
| 06. | <i>Dioscorea bulbifera</i> | Dioscoreaceae | 2 | 5EH4- 23°23'43.789"N, 86°59'07.841"E | | | |
| 07. | <i>Kydia calycina</i> | Malvaceae | 1 | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 5 |
| 5EH3- 23°23'44.207"N, 86°59'07.712"E | | | | 02. | <i>Adiantum sp.</i> | Pteridaceae | 12 |
| 01. | <i>Poa sp.</i> | Poaceae | 14 | 03. | <i>Polygala javana</i> | Polygonaceae | 2 |
| 02. | <i>Curculigo orchioides</i> | Hypoxidaceae | 4 | 04. | <i>Evolvulus nummularius</i> | Convolvulaceae | 3 |
| 03. | <i>Polygala javana</i> | Polygonaceae | 5 | 05. | <i>Ixora pavetta</i> | Rubiaceae | 2 |
| 04. | <i>Ixora pavetta</i> | Rubiaceae | 1 | 06. | <i>Biophytum sensitivum</i> | Oxalidaceae | 1 |
| 05. | <i>Lygodium flexuosum</i> | Lygodiaceae | 2 | 5EH5- 23°23'43.981"N, 86°59'08.264"E | | | |
| | | | | 01. | <i>Commelina suffruticosa</i> | Commelinaceae | 4 |
| | | | | 02. | <i>Kydia calycina</i> | Malvaceae | 2 |
| | | | | 03. | <i>Grewia hirsuta</i> | Malvaceae | 5 |
| | | | | 04. | <i>Lygodium flexuosum</i> | Lygodiaceae | 1 |
| | | | | 05. | <i>Ampelocissus latifolia</i> | Vitaceae | 1 |
| | | | | 06. | <i>Poa sp.</i> | Poaceae | 7 |



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