

Diversity of butterflies in Nagarbera Town, Assam

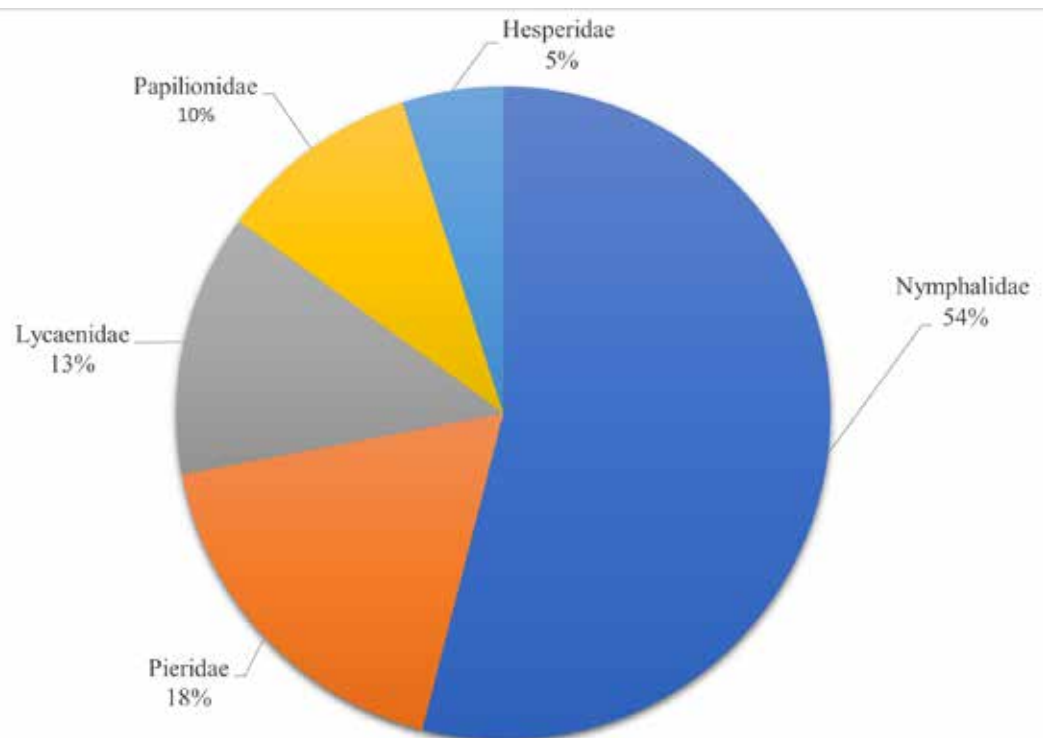
A total of 962 butterflies have been reported from the state of Assam (Bishaya et al. 2021). From the review of literature, it has been found that no studies have ever been conducted on butterfly diversity in the sub-urban town of Nagarbera, Assam, India. The present study was done at the town of Nagarbera, Kamrup, Assam.

It lies at the south bank of river Brahmaputra and is situated geographically at 26.11179°N, 91.00358°E. During the present study a total of 20 field surveys were conducted in and around the town in a span of three months from January to March, 2024. The surveys were done during the morning time at 0800–1100 h. Pollard walk method (Pollard, 1982) was used for data collection with slight modification.

A walk of 2–3 hours was done on a 50-meter trail at various locations which included

residential, market, forested and partially forested areas, stopping at intervals to spot and capture photos of the butterflies.

The observations concentrated on trying to recognize possible food plants and basking sites of butterflies. Some butterflies were identified on the spot based on the wing colour and patterns and others were identified later using photographs from existing literature (Evans 1932; Kehimkar 2008; Smetacek 2017) During the survey, a total of 39 different butterfly species were found.

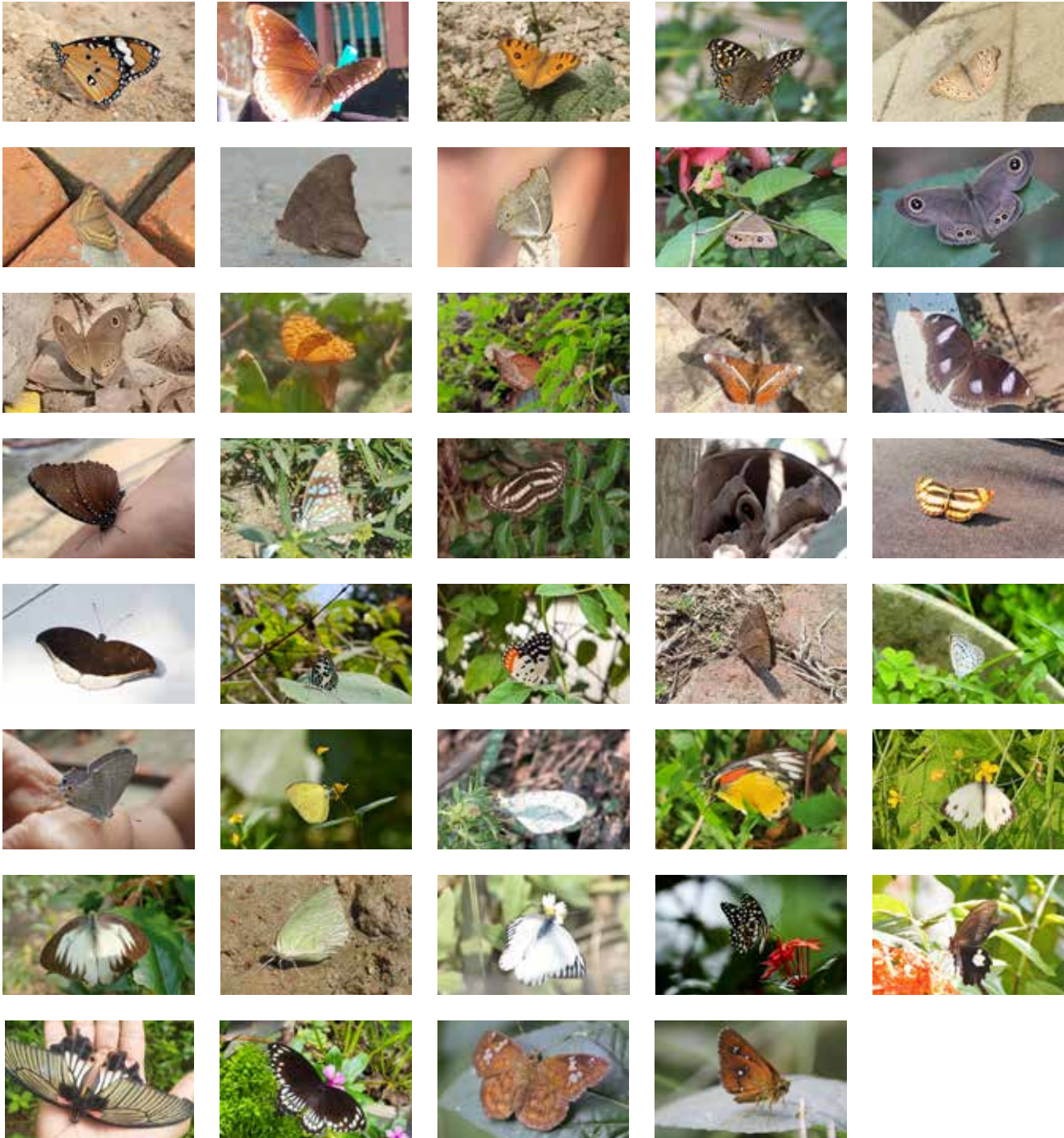


Different butterfly species documented during the present study in Nagarbera Town.

	Family	Common Name	Scientific Name
1.	Nymphalidae	Plain Tiger	<i>Danaus chrysippus</i> (Linnaeus, 1758)
2.		Common Crow	<i>Euploea core</i> (Cramer, [1780])
3.		Peacock Pansy	<i>Junonia almana</i> (Linnaeus, 1758)
4.		Lemon Pansy	<i>Junonia lemonias</i> (Linnaeus, 1758)
5.		Grey Pansy	<i>Junonia atlites</i> (Linnaeus, 1763)
6.		Chocolate Pansy	<i>Junonia iphita</i> (Cramer, 1779)
7.		Dark Evening Brown	<i>Melanitis phedima</i> (Cramer, [1780])
8.		Common Evening Brown	<i>Melanitis leda</i> (Linnaeus, 1758)
9.		Common Bushbrown	<i>Mycalesis perseus</i> (Fabricius, 1775)
10.		Common Five-ring	<i>Ypthima baldus</i> (Fabricius, 1775)
11.		Common Four-ring	<i>Ypthima huebneri</i> (Kirby, 1871)
12.		Common Leopard	<i>Phalanta phalantha</i> (Drury, 1773)
13.		Common Palmfly	<i>Elymnias hypermnestra</i> (Linnaeus, 1763)
14.		The Knight	<i>Lebadea martha</i> (Fabricius, 1787)
15.		Common Eggfly	<i>Hypolimnas bolina</i> (Linnaeus, 1758)
16.		Malayan Eggfly	<i>Hypolinas anomala</i> (Wallace, 1869)
17.		Blue Tiger	<i>Tirumala limniace</i> (Cramer, [1775])
18.		Common Sailer	<i>Neptis nata</i> (Moore, 1857)
19.		Bamboo Tree Brown	<i>Lethe europa</i> (Fabricius, 1787)
20.		Common Lascar	<i>Pantoporia hordonia</i> (Stoll, 1790)
21.		Grey Count	<i>Tanaecia lepida</i> (Butler, 1868)
22.	Lycaenidae	Common Pierrot	<i>Castalius rosimon</i> (Fabricius, 1775)
23.		Red Pierrot	<i>Talicauda nyseus</i> (Guerin, 1843)
24.		Purple Leaf Blue	<i>Amblypodia anita</i> (Hewitson, 1862)
25.		Dark Grass Blue	<i>Zizeeria karsandra</i> (Moore, 1865)
26.		Forget-me-not	<i>Catochrysops strabo</i> (Fabricius, 1793)
27.	Pieridae	Common Grass Yellow	<i>Eurema hecabe</i> (Linnaeus, 1758)
28.		Psyche	<i>Leptosia nina</i> (Fabricius, 1793)
29.		Redspot Jezebel	<i>Delias descombesi</i> (Boisduval, 1836)
30.		Indian Cabbage White	<i>Pieris canidia</i> (Sparrman, 1768)
31.		Common Gull	<i>Cepora nerissa</i> (Fabricius, 1775)
32.		Common Emigrant	<i>Catopsilia pyranthe</i> (Linnaeus, 1758)
33.		Striped Albatross	<i>Appias libythea</i> (Fabricius, 1775)
34.	Papilionidae	Lime Butterfly	<i>Papilio demoleus</i> (Linnaeus, 1758)
35.		Common Mormon	<i>Papilio polytes</i> (Linnaeus, 1758)
36.		Great Mormon	<i>Papilio memnon</i> (Linnaeus, 1758)
37.		Common mime	<i>Papilio clytia</i> (Linnaeus, 1758)
38.	Hesperiidae	Fulvous Pied Flat	<i>Pseudocoladenia dan</i> (Fabricius, 1787)
39.		Chestnut Bob	<i>Iambrix salsala</i> (Moore, [1866])

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1—*Danaus chrysippus* | 2—*Euploea core* | 3—*Junonia almanac* | 4—*Junonia lemonias* | 5—*Junonia atlites* | 6—*Junonia iphita* | 7—*Melanitis phedima* | 8—*Melanitis leda* | 9—*Mycalesis perseus* | 10—*Ypthima baldus* | 11—*Ypthima huebneri* | 12—*Phalanta phalantha* | 13—*Elymnias hypermnestra* | 14—*Lebadea martha* | 15—*Hypolimnias bolina* | 16—*Hypolinas anomala* | 17—*Tirumala limniace* | 18—*Neptis nata* | 19—*Lethe europa* | 20—*Pantoporia hordonia* | 21—*Tanaecia lepida* | 22—*Castalius rosimon* | 23—*Talicauda nyseus* | 24—*Amblypodia anita* | 25—*Zizeeria karsandra* | 26—*Catochrysops strabo* | 27—*Eurema hecabe* | 28—*Leptosia nina* | 29—*Delias descombesi* | 30—*Pieris canidia* | 31—*Cepora nerissa* | 32—*Catopsilia pyranthe* | 33—*Appias libythea* | 34—*Papilio demoleus* | 35—*Papilio polytes* | 36—*Papilio memnon* | 37—*Papilio clytia* | 38—*Pseudocoladenia dan* | 39—*Iambrix salsala*.

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