Appendices

7. APPENDICES

Appendix A

Family and Species level Identification of documented butterfly species from the selected fragmented habitats of Gujarat

Sr. No.	Common name	Scientific Name	Species identification	
Orde Insect Fami	Order Lepidoptera (Linnaeus, 1735) Insects with scaly wings Family Papilionidae Commonly known as Swallowtails; Tailed hind wings; Caterpillars possess forked organ-osmeterium-at the base of the back of the			
head			Black butterfly with bring green spots and streaks	
1	Tailed Jay	Graphium agamemnon Linnaeus, 1758	on the wings; under wing with pale brown with black; red tonal spot on under hind wing; hind wing tail short	
2	Common Jay	Graphium doson Felder & Felder, 1864	Black butterfly with pale blue, partially transparent central band of large spots and marginal row of smaller spots along the band; underside brown with similar but whitish markings; hind wing tail short	
3	Spot Swordtail	Graphium nomius Esper, 1785	Whitish butterfly with broad, white-spotted black outer margins on upper side of both wings and similar white-spotted brown margins on underside of both wings; prominent central red spots on the underhand wings; hind wings with sword-like tails	
4	Common Rose	Pachliopta aristolochiae Fabricius, 1775	Black red bodied butterfly; forewing elongated and black on both sides with paler greyish stripes in distal part of cell and between veins; hind wing tailed with white area made of elongated 5 spots	

Sr. No.	Common name	Scientific Name	Species identification
			around end cell with lower spot pink tinged; series of deep red or brownish red spots on outer margin
5	Crimson Rose	Pachliopta hector Linnaeus, 1758	Bright crimson butterfly with large, glossy, bluish black with crimson spots on tailed hind wing; forewing with interrupted dismal and apical white bands
6	Lime Butterfly	Papilio demoleus Linnaeus, 1758	Tailless hind wings; black butterfly with yellow spots; marginal and terminal rows of yellow spots on both wings on the upper side; abdomen lemon yellow with longitudinal black lines
7	Common Mormon	Papilio polytes Linnaeus, 1758	Jet black butterfly with row of white spots along the central region of the hind wing; series of smaller white spots on the margin of forewing
	y Pieridae Jonly known as Whites and Y	ellows: wings are mainly white or yellow	with red, orange, yellow or black markings
8	Western Striped Albatross	Appias libythea Fabricius, 1775	In dry season forms, upper forewings of male white with dark apical shading and terminal markings, inwardly produced along veins; under hind wing white; female- white, upper forewing apex and termed broadly black and devoid of spots; broadly blackened costa from base to bar at end cell; upper hind wing with black terminal spots; wet season forms- female darker than male
9	Pioneer	Belenois aurota Fabricius, 1793	Distinct 'hockey stick' mark at the front margin of the forewings; white with apical black margins on the upper side; unmarked hind wings except at the margin; bright yellow with marginal markings and black bands along the veins on the underside

Sr. No.	Common name	Scientific Name	Species identification
10	Common Emigrant	Catopsilia pomona Fabricius, 1775	Most variable butterfly species; wings color range from white to lemon yellow; the bases of all wings yellow on the upper side
11	Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	White to greenish yellow butterfly; dull white upper side; underside mottled with light brown or green lines; under hind wings with or without distinct red- ringed silver spots in center; dry season forms- upper side have reddish brown to blackish markings
12	Common Gull	Cepora nerissa Fabricius, 1775	Upper side white & underside yellow; black veins and margins on the wings; prominent veins on the underside whereas upper side with faded veins; strongly marked females; wet season forms- bright yellow and deep black whereas dry season forms are dull yellow and faded black
13	Small Salmon Arab	Colotis amata Fabricius, 1775	Upper side salmon pink; black costal border touches the black spot at end cell; half apical region bears the spots of ground salmon color; dark outer border on the upper hind wings
14	Crimson Tip	Colotis danae Fabricius, 1775	Upper side white with bright crimson tip, black bordered on upper forewings; black band or spots along the termen on upper hindwings; yellowish apical area with pink marked inner border with dark reddish black spots on the under forewings; dark yellowish buff coloured underside hindwings
15	Small Orange Tip	Colotis etrida Boisduval, 1836	Upper side white with orange apical patch edged with black in males; upper forewings with small black cell spot; light black dust at the base of both wings; presence of costal black spot and series of large black marginal spots in upper hindwings

Sr. No.	Common name	Scientific Name	Species identification
16	Common Jezebel	Delias eucharis Drury, 1773	White upper side, bright yellow with black veins underside; underside with marginal series of more or less pentagonal shaped orange red spots
17	Small Grass Yellow	Eurema brigitta Stoll, 1780	Bright yellow; outer margin and apex broadly black with inner border edge evenly curved along the costa. Broadly and narrowly black on the outer margin of the upper hindwing
18	Common Grass Yellow	Eurema hecabe Linnaeus, 1758	Bright yellow butterfly; brown blotches on the underside of forewing; apex and termen broadly black on upper forewing; narrow black terminal border on upper hindwing
19	White Orange Tip	Ixias marianne Cramer, 1779	Upper side white with broad black borders; Upper side forewings with black apical band that encloses orange patch; black terminal border on upper hindwings; row of black spots in the orange portion in females
20	Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	Upper side wings yellow; upper forewing black apical half which encloses an orange band; upper hind wing with black border; underside yellow with brown blotches; white or yellow upper side; extensive black areas on upper side
21	Psyche	Leptosia nina Fabricius, 1793	Bright white butterfly; black borders at the apex on the forewings; pale grey scales and faint green striations on the underside of the wings; prominent black spot on the fore wings

Sr. No.	Common name	Scientific Name	Species identification
22	Common Wanderer	Pareronia hippia Fabricius, 1787	Pale blue or bluish white on upper side in males; prominent marginal spots increases in size towards apex and black margins on upper forewings Female whitish with less blue marginal markings prominent on upper hindwing
1	y Nymphalidae		
Comm	only known as brush-footed	butterflies; legs covered with long hairs; fore	
23	Tawny Coster	Acraea terpsicore Linnaeus, 1758	Bright tawny red coloured butterfly; small thorax; long and narrow abdomen; forewings and hindwings tawny red with black border; broader black border on the hindwings and encloses series of white spots; long and broad forewings with rounded apex; round hindwings
24	Angled Castor	Ariadne ariadne Linnaeus, 1763	Dark with regular black lines; forewing termen deeply concaved; darker brown with purplish brown markings on the underside; discal line beyond cell is angled in upper forewings
25	Common Castor	Ariadne merione Cramer, 1777	Rusty brown forewings and hindwings on the upper side; discal line on upper side- double and wavy; apex at upper forewings are slightly squarish; grayish brown with dark brown narrow bands on the underside
26	Common Nawab	Charaxes athamas Drury, 1770	Underside and upper side of forewings and hindwings with wide pale greenish- yellow discal band with small pale green spot near the apex on both wings and on both sides; hindwings with two sharp tails
27	Black Rajah	Charaxes solon Fabricius, 1793	Tailed hindwings; black to brown upper side with

Sr. No.	Common name	Scientific Name	Species identification
			row of closely spaced yellowish green discal spots on both wings; upper forewing with broken row of spots towards apex; presence of sub-marginal and marginal small spots; silvery grey with narrow black wavy lines on underside; underside hindwing with sub-marginal and marginal yellowish green spots; faint sub-marginal spots on under forewings
28	Painted Lady	Vanessa cardui Linnaeus, 1758	Pinkish red upper side with black spots, grey, black, white and red spots on the underside; black apex with three white conjoined apical spots and four sub marginal white spots on upper forewings; three central black spots on the upper forewings
29	Plain Tiger	Danaus chrysippus Linnaeus, 1758	Pale orange with black marginal borders; upper forewing with black tips with sub-apical white band of elongated spots; devoid of bold outlines to veins, hindwings with 3-4 discal spots on both sides; thorax black with white spots
30	Striped Tiger	Danaus genutia Cramer, 1779	Tawny with black bold veins, margins black with small white spots along border; broad black apex with white elongated sub-apical spots; underside paler but similar to upper side
31	Common Indian Crow	Euploea core Cramer, 1780	Upper side dark velvety brown; underside paler with white discal spots and 2 rows of marginal spots; 2 rows of small white spots borders all wings where inner spots larger on both wings which elongates in hindwing; underside forewing with white spot at end-cell; black thorax with white spots
32	Common Baron	Euthalia aconthea Cramer, 1777	Dark brown male- forewings with series of small white spots; pale brown female- forewings with

Sr. No.	Common name	Scientific Name	Species identification
			prominent white band; hindwings show presence of black dots; white underside with sparse black markings; healthy thorax as compared to abdomen
33	Great Eggfly	Hypolimnas bolina Linnaeus, 1758	Males- Upper side black with oval white spot with blue iridescence on each wing; upper hindwing spot bigger; row of big white spots along margin from apex to tornus on upper side; females- broader wings, dark brown without discal row of small white spots on upper side forewings and hindwings; mimic the Crow butterflies
34	Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764	Male- jet black with 2 large spots- one large on hindwing and one small on the forewing; small white spot on the upper side forewing; golden yellow tinged light rusty brown underside; narrow white band on underside forewing and broad one at hindwing; female mimics Plain tiger- forewing apex black coloured with white band; black bordered hindwings with series of white spots
35	Peacock Pansy	Junonia almana Linnaeus, 1758	Tawny orange colored with prominent eyespots on both wings on upper side; large eye-spot on the upper hindwings; two smaller eye-spots on the upper forewings; squarish apex and concave termen of upper forewings; upper side with three narrow black lines borders both pair of wings
36	Grey Pansy	Junonia atlites Linnaeus, 1763	Grey coloured with dark brown lines on the upper side; series of discal eyespots on upper side of both wings
37	Yellow Pansy	Junonia hierta Fabricius, 1798	Bright yellow upper side; upper forewings with yellow markings on black apex, black dorsum,

Sr. No.	Common name	Scientific Name	Species identification
			tornus broadly black; large blue- pupilled eyespots prominent in females but not in males; narrow black margins at costa and termen on both wings; broadly black costal and basal areas of hindwing; upper hindwing with oval shining blue patch, larger in males; dull yellow females with two distal eyespots on upper hindwings; light greyish color with brown bands and lines
38	Chocolate Pansy	Junonia iphita Cramer, 1779	Pale to dark brown upper side with dark brown bands; series of small eyespots on upper hindwings; upper forewings may be or may not be devoid of small eyespots; leaf-like underside
39	Lemon Pansy	Junonia lemonias Linnaeus, 1758	Several eyespots on brown colored wings; upper forewings and hindwings with black and lemon yellow spots
40	Blue Pansy	Junonia orithya Linnaeus, 1758	Upper hindwings bright blue coloured; apex pale brown with white bands on the upper forewings; shiny blue in outer discal area below apex in upper forewings
41	Common Evening Brown	Melanitis leda Linnaeus, 1758	Large brown colored butterfly; brown upper side; upper side forewings with an eye-spot and white pupil surrounded by orange patches; dry season forms with angular apex of forewings
42	Common Bushbrown	Mycalesis perseus Fabricius, 1775	Brown butterfly; upper side forewing with eye spot on the outer margin; wet season form- upper side with white band from leading margin of the forewing to the tornus of hindwing; upper side with row of black eye spots with white centers present between the band and the wing margin; dry season

Sr. No.	Common name	Scientific Name	Species identification
			form usually devoid of white band; underside black eye spots appears as dots in dry season forms
43	Common Sailer	Neptis hylas Linnaeus, 1758	Black wings with two white bands composed of spots; narrow wings; forewing cell white with triangular white mark in front of it; chestnut coloured underside with central white band edged outwardly in black
44	Glassy Tiger	Parantica aglea Stoll, 1782	Upper side brown with bluish white transparent markings; forewing with pale streak in cell, divided by two dark lines; underlings paler
45	Common Leopard	Phalanta phalantha Drury, 1773	Bright tawny butterfly marked with black spots; pale and glossy underside; dry season form with purple glossy on the underside
46	Baronet	Symphaedra nais Forster, 1771	Tawny orange butterfly with outer narrow black discal line and black termen on forewings and hindwings; upper hindwings with discal black line broken into small spots; mid costa of upper hindwings with large black spot; black band beyond cell and black bar at the end-cell of upper forewing
47	Blue Tiger	Tirumala limniace Cramer, 1775	Pale blue streaks and spots against black or brown background; underside hindwing with pale or white cell, with thin black narrow forked streak in the middle; males smaller than females; characteristic flat pendulous pouch near the cell of the hindwing, which contains scent scales
48	Common Five-ring	Ypthima baldus Fabricius, 1775	Pale brown or whitish underside with brown streaks; underside forewing with large eyespot enclosed in a golden yellow ring; underside

Sr. No.	Common name	Scientific Name	Species identification
			hindwing with six eye spots in three pairs; upper side forewing with distinct eyespot (visible during basking)
49	Common Four-ring	Ypthima huebneri Kirby, 1871	Underside greyish brown; large yellow-ringed eyespot near apex and indistinct dull brown bands on underside forewings; 2-3 unpupilled eyespots near margin or none; upper hindwing tornal half not white;
		ajority of these species have blue upper s	sides; threadlike tails; due to smaller size, forelegs non-
50	Plum Judy	Abisara echerius Stoll, 1790	Tailless hindwing; Reddish brown butterfly with pale green eyes; toothed hindwing at vein 4, male with purple brown and female with brown upper side; forewings never held together parallel to each other
51	Angled Pierrot	Caleta decidia Hewitson, 1876	Tailed hindwings; black and white butterfly, with broad black markings on white underside; short narrow black streak from base into cell on underside forewing and outer broad angled black band from costa to dorsum; dark blackish with broad white band across entire upper hindwing-dorsum to end cell on upper forewing
52	Common Pierrot	Castalius rosimon Fabricius, 1775	White tipped black tailed hindwings; underside marked with black spots and streaks on white; under forewing with square black spots; metallic green spot at tornus in underside hindwing; white upper side with dark borders and black spots along with metallic blue scales in basal area

Sr. No.	Common name	Scientific Name	Species identification
53	Forget-Me-Not	Catochrysops strabo Fabricius, 1793	Tailed hindwing; narrow wings; underside with pale grey with white –edged fawn discal bars; underside forewings with small pale costal spot, near the discal bar; two white ringed black spots along the costa and two black tornal spots; underside hindwing with large yellow crowned tornal spot above tail
54	Lime Blue	Chilades lajus Stoll, 1780	Tailless hindwing; underside light with numerous dark spots; amongst such spots, one pair of spots on each wing are joined at right angles; upper side dull purplish blue with thin black border in males and females blackish brown with metallic blue wing bases
55	Plains Cupid	Chilades pandava Horsfield, 1829	White tipped tailed hindwing; underside with marginal and discal rows of linked spots, slightly brownish grey; underside forewing with unbroken discal row of spots; underside forewings devoid of spot in cell; underside forewing with four spots near base
56	Angled Sunbeam	Curetis dentate Moore, 1877	Tailless hindwing; faint discal bands on underside hindwings which are in line with bar at end cell; broad dark border widens to dark and broad dorsal area and prominent basal streak above the cell which leaves only basal red discal patch; upper hindwing with dark bar which defines the end cell
57	Indian Sunbeam	Curetis thetis Drury, 1773	Tailless hindwing; underside glossy white; and no small black dots except the presence from lines or bands; upper side golden red in males and orange discal patches in females

Sr. No.	Common name	Scientific Name	Species identification
58	Gram Blue	Euchrysops cnejus Fabricius, 1798	Tailed hindwing; underside hind wings with orange crowned black tornal spots with metallic silver centers, one on either side; males pale violet blue on upper side and females brown on upper side with slight blue scaling at the base of both wings
59	Indian Cupid	Everes lacturnus Godart, 1824	Tailed hindwing; underside white with few black spots; underside hindwings with two bright orange crowned black spots in spaces 2 and 3 on tornus; upper side dark blue in males with broad border on upper side forewings and two black tornal spots; black or brown female with or without pale blue discal areas
60	Common Cerulean	Jamides celeno Cramer, 1775	Tailed hindwing; wet season form- greyish white underside; dry season form- pale brown; underside forewing with three narrow white marginal lines and four vertical white discal lines; underside hindwing with six more white lines; underside glistening pale blue
61	Pea Blue	Lampides boeticus Linnaeus, 1767	Long, white tipped tailed hindwing; white underside with light or dark reddish line; distinct white band within the outer margin of the hind wing, where the lines are absent; underside forewing with no spots; underside hindwing with two orange-ringed black tornal spots, with metallic silver crown
62	Zebra Blue	Leptotes plinius Fabricius, 1793	Tailed hindwing; translucent wings; when wings open markings on the underside can be seen through the upper side; underside with black and white 'zebra' pattern; underside whitish with irregular, broad and narrow, alternative brown

Sr. No.	Common name	Scientific Name	Species identification		
			bands right angled to costa		
63	Pale Grass Blue	Pseudozizeeria maha Kollar, 1848	Tailless hindwing; upper side pale blue; underside almost white; underside forewing with faint rounded black spots in discal band, end-cell spot, tiny spot mid cell and tiny spot on costa discal		
64	Common Silverline	Spindasis vulcanus Fabricius, 1775	Narrow and pointed wings; 2 large lobes and 2 long tails on the hind wings; light yellow with brilliant red bands on the underside, bands are bordered with black lines on either side with central golden lines; upper side wings dark with orange bands		
65	Red Pierrot	Talicada nyseus Guerin- Meneville, 1843	Tailed hind wing; upper side blackish brown with broad orange –red area on lower half of the upper hindwings; white underside with black spots; outer half of under forewings with white spots; underside hind wings with orange red marginal band followed by black up to costa, both with white spots		
66	Stripped Pierrot	Tarucus nara Kollar, 1848	White marked with black; more than three metallic green spots on the lower corner and hindwing on the underside;		
67	Dark Grass Blue	Zizeeria karsandra Moore, 1865	Tailless hindwing; underside greyish brown with small, rounded black spots; upper side dark blue		
68	Lesser Grass Blue	Zizina otis Fabricius, 1787	Tailless hindwing; underside pale grayish brown with rounded and not very dark spots; underside forewing devoid of costal spots or any spot inside the cell; underside hindwing- 1 st two spots from costa separate, 3 rd -6 th forms a curve, 7 th separate towards the termen		
69	Tiny Grass Blue	Zizula hylax Fabricius, 1775	Tailless hindwing; underside pale grayish brown		

Sr. No.	Common name	Scientific Name	Species identification
			with fine, small, distinct, dark known or black spots; underside with row of discal spots, separated and angled inwards and bar at end cell, no spot in mid-cell; underside hindwing with two costal spots and spot near the end cell, moreover, a spot in the cell next to two more spots near base
	y Hesperiidae bodies; Hooked (apiculus) ar	ntennae: rapid flight	cen next to two more spots near base
70	Brown Awl	Badamia exclamationis Fabricius, 1775	Brown coloured; relatively darker on upper side & light on the underside; abdomen light brown with prominent black bands; narrow wings with fast flight
71	Rice Swift	Borbo cinnara Wallace, 1866	Dark brown wings with semi-transparent spots on the fore wings; these spots decrease in size from the lower margin of the wing towards the upper margin; white pots on the underside of the hindwings;
72	Dark Palm-Dart	Telicota bambusae Moore, 1878	Black coloured with orange bands on the forewings which is narrow towards the apex; hind wings black with pale orange band

[Source: (Kunte, 2000), (Kehimkar, 2008)] [Scientific names: Website- www.ifoundbutterflies.org]

Appendix B Habitat Preferences of documented butterfly species from the selected fragmented habitats of Gujarat

Sr.	Family	Common Nama	Caiantifia Nama	Types	of Frag	mente	d Habit	ats
No	Family	Common Name	Scientific Name	UR	AL	IV	BG	HS
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758					$\sqrt{}$
2		Common Jay	Graphium doson Felder & Felder, 1864					$\sqrt{}$
3		Spot Swordtail	Graphium nomius Esper, 1785					$\sqrt{}$
4		Common Rose	Pachliopta aristolochiae Fabricius, 1775					$\sqrt{}$
5		Crimson Rose	Pachliopta hector Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
6		Lime Butterfly	Papilio demoleus Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
7	_	Common Mormon	Papilio polytes Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
8	Pieridae	Western Striped Albatross	Appias libythea Fabricius, 1775					$\sqrt{}$
9		Pioneer	Belenois aurota Fabricius, 1793					$\sqrt{}$
10		Common Emigrant	Catopsilia pomona Fabricius, 1775					$\sqrt{}$
11		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758					
12		Common Gull	Cepora nerissa Fabricius, 1775					
13		Small Salmon Arab	Colotis amata Fabricius, 1775				$\sqrt{}$	$\sqrt{}$
14		Crimson Tip	Colotis danae Fabricius, 1775				$\sqrt{}$	$\sqrt{}$
15		Small Orange Tip	Colotis etrida Boisduval, 1836				$\sqrt{}$	$\sqrt{}$
16		Common Jezebel	Delias eucharis Drury, 1773					$\sqrt{}$
17		Small Grass Yellow	Eurema brigitta Stoll, 1780				$\sqrt{}$	$\sqrt{}$
18		Common Grass Yellow	Eurema hecabe Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
19		White Orange Tip	Ixias marianne Cramer, 1779				$\sqrt{}$	$\sqrt{}$
20		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764					
21		Psyche	Leptosia nina Fabricius, 1793					
22		Common Wanderer	Pareronia hippia Fabricius, 1787					
23	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758				1	
24		Angled Castor	Ariadne ariadne Linnaeus, 1763					

Sr.	Family	Common Name	Scientific Name	Types of Fragmented Habitats			ats	
25		Common Castor	Ariadne merione Cramer, 1777				$\sqrt{}$	$\sqrt{}$
26		Common Nawab	Charaxes athamas Drury, 1770				$\sqrt{}$	
27		Black Rajah	Charaxes solon Fabricius, 1793				$\sqrt{}$	
28		Painted Lady	Vanessa cardui Linnaeus, 1758				$\sqrt{}$	
29		Plain Tiger	Danaus chrysippus Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
30		Striped Tiger	Danaus genutia Cramer, 1779				$\sqrt{}$	$\sqrt{}$
31		Common Indian Crow	Euploea core Cramer, 1780				$\sqrt{}$	$\sqrt{}$
32		Common Baron	Euthalia aconthea Cramer, 1777				$\sqrt{}$	
33		Great Eggfly	Hypolimnas bolina Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
34		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764				$\sqrt{}$	
35		Peacock Pansy	Junonia almana Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
36		Grey Pansy	Junonia atlites Linnaeus, 1763				$\sqrt{}$	$\sqrt{}$
37		Yellow Pansy	Junonia hierta Fabricius, 1798				$\sqrt{}$	$\sqrt{}$
38		Chocolate Pansy	Junonia iphita Cramer, 1779				$\sqrt{}$	$\sqrt{}$
39		Lemon Pansy	Junonia lemonias Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
40		Blue Pansy	Junonia orithya Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
41		Common Evening Brown	Melanitis leda Linnaeus, 1758				$\sqrt{}$	$\sqrt{}$
42		Common Bushbrown	Mycalesis perseus Fabricius, 1775				$\sqrt{}$	
43		Common Sailer	Neptis hylas Linnaeus, 1758				$\sqrt{}$	
44		Glassy Tiger	Parantica aglea Stoll, 1782				$\sqrt{}$	$\sqrt{}$
45		Common Leopard	Phalanta phalantha Drury, 1773				$\sqrt{}$	$\sqrt{}$
46		Baronet	Symphaedra nais Forster, 1771				$\sqrt{}$	$\sqrt{}$
47		Blue Tiger	Tirumala limniace Cramer, 1775			$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
48		Common Five-ring	Ypthima baldus Fabricius, 1775				$\sqrt{}$	$\sqrt{}$
49		Common Four-ring	Ypthima huebneri Kirby, 1871				$\sqrt{}$	-\
50	Lycaenidae	Plum Judy	Abisara echerius Stoll, 1790					$\sqrt{}$
51		Angled Pierrot	Caleta decidia Hewitson, 1876	$\sqrt{}$			$\sqrt{}$	$\sqrt{}$
52		Common Pierrot	Castalius rosimon Fabricius, 1775					$\sqrt{}$
53		Forget-Me-Not	Catochrysops strabo Fabricius, 1793					

Sr.	Family	Common Name	Scientific Name	Types	of Frag	gmente	d Habit	ats
54		Lime Blue	Chilades lajus Stoll, 1780					
55		Plains Cupid	Chilades pandava Horsfield, 1829					$\sqrt{}$
56		Angled Sunbeam	Curetis dentate Moore, 1879					
57		Indian Sunbeam	Curetis thetis Drury, 1773					$\sqrt{}$
58		Gram Blue	Euchrysops cnejus Fabricius, 1798					
59		Indian Cupid	Everes lacturnus Godart, 1824					
60		Common Cerulean	Jamides celeno Cramer, 1775					
61		Pea Blue	Lampides boeticus Linnaeus, 1767					
62		Zebra Blue	Leptotes plinius Fabricius, 1793					
63		Pale Grass Blue	Pseudozizeeria maha Kollar, 1848					
64		Common Silverline	Spindasis vulcanus Fabricius, 1775					
65		Red Pierrot	Talicada nyseus Guerin- Meneville, 1843					
66		Stripped Pierrot	Tarucus nara Kollar, 1848					
67		Dark Grass Blue	Zizeeria karsandra Moore, 1865					
68		Lesser Grass Blue	Zizina otis Fabricius, 1787					
69		Tiny Grass Blue	Zizula hylax Fabricius, 1775					
70	Hesperiidae	Brown Awl	Badamia exclamationis Fabricius, 1775					
71		Rice Swift	Borbo cinnara Wallace, 1866					
72		Dark Palm-Dart	Telicota bambusae Moore, 1878					

(where UR: Urban Residentials; AL: Agricultural Landscapes; IV: Industrial Vicinity; BG: Botanical Garden; HS: Hill Station)

Appendix C1 Seasonal Distribution of documented species of butterflies from Urban Residentials of Vadodara

Sr.	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	٧	٧	V
2		Common Jay	Graphium doson Felder & Felder, 1864	٧	٧	V
3		Common Rose	Pachliopta aristolochiae Fabricius, 1775			V
4		Crimson Rose	Pachliopta hector Linnaeus, 1758		٧	V
5		Lime Butterfly	Papilio demoleus Linnaeus, 1758	٧	٧	V
6		Common Mormon	Papilio polytes Linnaeus, 1758			V
7	Pieridae	Western Striped Albatross	Appias libythea Fabricius, 1775	٧		٧
8		Pioneer	Belenois aurota Fabricius, 1793	٧	٧	V
9		Common Emigrant	Catopsilia pomona Fabricius, 1775	٧	٧	V
10		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	٧	٧	V
11		Common Gull	Cepora nerissa Fabricius, 1775	٧		V
12		Small Salmon Arab	Colotis amata Fabricius, 1775		٧	V
13		Crimson Tip	Colotis danae Fabricius, 1775		٧	V
14		Common Jezebel	Delias eucharis Drury, 1773	٧	٧	V
15		Small Grass Yellow	Eurema brigitta Stoll, 1780	٧	٧	V
16		Common Grass Yellow	Eurema hecabe Linnaeus, 1758	٧	٧	V
17		White Orange Tip	Ixias marianne Cramer, 1779	٧	٧	V
18		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	٧	٧	٧
19	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758	٧	٧	V
20		Angled Castor	Ariadne ariadne Linnaeus, 1763			V
21		Common Castor	Ariadne merione Cramer, 1777			V
22		Black Rajah	Charaxes solon Fabricius, 1793		٧	V
23		Plain Tiger	Danaus chrysippus Linnaeus, 1758	٧	٧	V
24		Striped Tiger	Danaus genutia Cramer, 1779			V

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
25		Common Indian Crow	Euploea core Cramer, 1780	√	٧	V
26		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	√	٧	V
27		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764		٧	√
28		Peacock Pansy	Junonia almana Linnaeus, 1758	√	٧	√
29		Grey Pansy	Junonia atlites Linnaeus, 1763		٧	√
30	-	Yellow Pansy	Junonia hierta Fabricius, 1798	√		√
31	-	Lemon Pansy	Junonia lemonias Linnaeus, 1758	√	٧	√
32		Blue Pansy	Junonia orithya Linnaeus, 1758	√		√
33	-	Common Evening Brown	Melanitis leda Linnaeus, 1758		٧	√
34	Lycaenidae	Angled Pierrot	Caleta decidia Hewitson, 1876		٧	٧
35		Common Pierrot	Castalius rosimon Fabricius, 1775		٧	٧
36	-	Plains Cupid	Chilades pandava Horsfield, 1829			٧
37		Indian Sunbeam	Curetis thetis Drury, 1773	√		٧
38		Zebra Blue	Leptotes plinius Fabricius, 1793	√	٧	٧
39		Common Silverline	Spindasis vulcanus Fabricius, 1775			٧
40		Stripped Pierrot	Tarucus nara Kollar, 1848	√		٧
41		Lesser Grass Blue	Zizina otis Fabricius, 1787			√
42	Hesperiidae	Brown Awl	Badamia exclamationis Fabricius, 1775			٧
43		Rice Swift	Borbo cinnara Wallace, 1866			√

Appendix C2
Seasonal Distribution of documented species of butterflies from Agricultural landscapes (Chhani) of Vadodara

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	٧		√
2		Common Jay	Graphium doson Felder & Felder, 1864	٧		√
3		Common Rose	Pachliopta aristolochiae Fabricius, 1775	٧		√
4		Lime Butterfly	Papilio demoleus Linnaeus, 1758	٧		√
5		Common Mormon	Papilio polytes Linnaeus, 1758			٧
6	Pieridae	Pioneer	Belenois aurota Fabricius, 1793	٧		
7		Common Emigrant	Catopsilia pomona Fabricius, 1775	√		√
8		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	٧		√
9		Common Gull	Cepora nerissa Fabricius, 1775	٧		√
10		Small Salmon Arab	Colotis amata Fabricius, 1775	٧		√
11		Crimson Tip	Colotis danae Fabricius, 1775			√
12		Common Jezebel	Delias eucharis Drury, 1773	٧		√
13		Small Grass Yellow	Eurema brigitta Stoll, 1780	√		√
14		Common Grass Yellow	Eurema hecabe Linnaeus, 1758	٧		√
15		White Orange Tip	Ixias marianne Cramer, 1779	٧		√
16		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	٧		٧
17	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758	٧		٧
18		Angled Castor	Ariadne ariadne Linnaeus, 1763			V
19		Common Castor	Ariadne merione Cramer, 1777			٧
20		Black Rajah	Charaxes solon Fabricius, 1793	٧		٧
21		Plain Tiger	Danaus chrysippus Linnaeus, 1758	٧		٧
22		Common Indian Crow	Euploea core Cramer, 1780	√		√
23		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	√		√
24		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764	٧		٧
25		Peacock Pansy	Junonia almana Linnaeus, 1758	V	V	٧

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
26		Lemon Pansy	Junonia lemonias Linnaeus, 1758	V		
27		Blue Pansy	Junonia orithya Linnaeus, 1758	√		
28		Common Evening Brown	Melanitis leda Linnaeus, 1758			
29	Lycaenidae	Common Pierrot	Castalius rosimon Fabricius, 1775	√		
30		Plains Cupid	Chilades pandava Horsfield, 1829			
31		Indian Sunbeam	Curetis thetis Drury, 1773			
32		Zebra Blue	Leptotes plinius Fabricius, 1793	√		
33		Common Silverline	Spindasis vulcanus Fabricius, 1775			V

Appendix C3 Seasonal Distribution of documented species of butterflies from Industrial Vicinity of Ankleshwar, Bharuch

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	V	V	V
2		Common Jay	Graphium doson Felder & Felder, 1864	V	V	V
3		Lime Butterfly	Papilio demoleus Linnaeus, 1758	V	V	V
4		Common Mormon	Papilio polytes Linnaeus, 1758			V
5	Pieridae	Pioneer	Belenois aurota Fabricius, 1793	V	V	V
6		Common Emigrant	Catopsilia pomona Fabricius, 1775	V	V	V
7		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	V		V
8		Common Gull	Cepora nerissa Fabricius, 1775	V	V	V
9		Small Salmon Arab	Colotis amata Fabricius, 1775		V	V
10		Crimson Tip	Colotis danae Fabricius, 1775		V	V
11		Common Jezebel	Delias eucharis Drury, 1773	V	V	V
12		Small Grass Yellow	Eurema brigitta Stoll, 1780		V	V
13		Common Grass Yellow	Eurema hecabe Linnaeus, 1758	V	√	٧
14		White Orange Tip	Ixias marianne Cramer, 1779		V	V
15		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764		V	V
16	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758		V	V
17		Plain Tiger	Danaus chrysippus Linnaeus, 1758	V	V	V
18		Common Indian Crow	Euploea core Cramer, 1780	V	√	V
19		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	√		V
20		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764			V
21		Lemon Pansy	Junonia lemonias Linnaeus, 1758	V	V	V
22		Blue Tiger	Tirumala limniace Cramer, 1775		V	
23	Lycaenidae	Common Pierrot	Castalius rosimon Fabricius, 1775	V	V	V
24		Lime Blue	Chilades lajus Stoll, 1780		√	V

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
25		Plains Cupid	Chilades pandava Horsfield, 1829		V	V
26		Gram Blue	Euchrysops cnejus Fabricius, 1798	V	V	V
27		Pea Blue	Lampides boeticus Linnaeus, 1767	V		
28		Zebra Blue	Leptotes plinius Fabricius, 1793	V	V	√
29		Tiny Grass Blue	Zizula hylax Fabricius, 1775			√

Appendix C4 Seasonal Distribution of documented species of butterflies from Waghai Botanical Garden of The Dangs

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	٧	٧	V
2		Common Jay	Graphium doson Felder & Felder, 1864	٧	٧	٧
3		Spot Swordtail	Graphium nomius Esper, 1785	٧		
4		Common Rose	Pachliopta aristolochiae Fabricius, 1775			V
5		Crimson Rose	Pachliopta hector Linnaeus, 1758			٧
6		Lime Butterfly	Papilio demoleus Linnaeus, 1758	V	V	V
7		Common Mormon	Papilio polytes Linnaeus, 1758			V
8	Pieridae	Western Striped Albatross	Appias libythea Fabricius, 1775	٧		٧
9		Pioneer	Belenois aurota Fabricius, 1793	√	٧	٧
10		Common Emigrant	Catopsilia pomona Fabricius, 1775	V	V	V
11		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	V	V	V
12		Common Gull	Cepora nerissa Fabricius, 1775	V		V
13		Small Salmon Arab	Colotis amata Fabricius, 1775	V	V	V
14		Crimson Tip	Colotis danae Fabricius, 1775			V
15		Small Orange Tip	Colotis etrida Boisduval, 1836	V	V	V
16		Common Jezebel	Delias eucharis Drury, 1773	٧	٧	V
17		Small Grass Yellow	Eurema brigitta Stoll, 1780	٧	٧	V
18		Common Grass Yellow	Eurema hecabe Linnaeus, 1758	٧	٧	V
19		White Orange Tip	Ixias marianne Cramer, 1779	V	V	V
20		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	V	V	V
21		Psyche	Leptosia nina Fabricius, 1793	V		V
22		Common Wanderer	Pareronia hippia Fabricius, 1787			V
23	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758	٧	٧	V
24		Angled Castor	Ariadne ariadne Linnaeus, 1763	٧	٧	٧
25		Common Castor	Ariadne merione Cramer, 1777	٧	٧	V

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
26		Common Nawab	Charaxes athamas Drury, 1770		√	٧
27	-	Black Rajah	Charaxes solon Fabricius, 1793	V		٧
28	-	Painted Lady	Vanessa cardui Linnaeus, 1758	V		V
29	-	Plain Tiger	Danaus chrysippus Linnaeus, 1758	V	٧	٧
30		Striped Tiger	Danaus genutia Cramer, 1779	V		V
31		Common Indian Crow	Euploea core Cramer, 1780	V	٧	V
32		Common Baron	Euthalia aconthea Cramer, 1777	V		
33		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	V		V
34		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764		٧	V
35		Peacock Pansy	Junonia almana Linnaeus, 1758	V	٧	V
36		Grey Pansy	Junonia atlites Linnaeus, 1763			V
37		Yellow Pansy	Junonia hierta Fabricius, 1798	V		
38		Chocolate Pansy	Junonia iphita Cramer, 1779	V		V
39		Lemon Pansy	Junonia lemonias Linnaeus, 1758	V	٧	V
40		Blue Pansy	Junonia orithya Linnaeus, 1758	V		
41		Common Evening Brown	Melanitis leda Linnaeus, 1758	V		V
42		Common Bushbrown	Mycalesis perseus Fabricius, 1775		٧	V
43		Common Sailer	Neptis hylas Linnaeus, 1758	V		
44		Glassy Tiger	Parantica aglea Stoll, 1782			V
45		Common Leopard	Phalanta phalantha Drury, 1773	V		V
46		Baronet	Symphaedra nais Forster, 1771	V		V
47		Blue Tiger	Tirumala limniace Cramer, 1775		٧	V
48		Common Five-ring	Ypthima baldus Fabricius, 1775	V		V
49		Common Four-ring	Ypthima huebneri Kirby, 1871	V		V
50	Lycaenidae	Plum Judy	Abisara echerius Stoll, 1790	V	٧	٧
51		Angled Pierrot	Caleta decidia Hewitson, 1876		٧	V
52		Common Pierrot	Castalius rosimon Fabricius, 1775	V	٧	٧
53		Forget-Me-Not	Catochrysops strabo Fabricius, 1793		٧	V

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
54		Lime Blue	Chilades lajus Stoll, 1780	٧	٧	٧
55		Plains Cupid	Chilades pandava Horsfield, 1829		V	٧
56		Angled Sunbeam	Curetis dentate Moore, 1879		V	٧
57	-	Indian Sunbeam	Curetis thetis Drury, 1773	٧		٧
58		Gram Blue	Euchrysops cnejus Fabricius, 1798	٧	٧	٧
59		Indian Cupid	Everes lacturnus Godart, 1824	٧	٧	٧
60		Common Cerulean	Jamides celeno Cramer, 1775	٧		٧
61		Zebra Blue	Leptotes plinius Fabricius, 1793	٧	٧	٧
62		Pale Grass Blue	Pseudozizeeria maha Kollar, 1848	٧	٧	٧
63	-	Red Pierrot	Talicada nyseus Guerin- Meneville, 1843	٧	٧	٧
64		Stripped Pierrot	Tarucus nara Kollar, 1848	٧	٧	٧
65		Dark Grass Blue	Zizeeria karsandra Moore, 1865	٧	٧	٧
66		Lesser Grass Blue	Zizina otis Fabricius, 1787	٧	٧	٧
67		Tiny Grass Blue	Zizula hylax Fabricius, 1775	٧	٧	٧
68	Hesperiidae	Brown Awl	Badamia exclamationis Fabricius, 1775		٧	٧
69		Rice Swift	Borbo cinnara Wallace, 1866			٧
70		Dark Palm-Dart	Telicota bambusae Moore, 1878		V	V

Appendix C5 Seasonal Distribution of documented species of butterflies from Saputara Hill Station of The Dangs

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	V	٧	٧
2		Common Jay	Graphium doson Felder & Felder, 1864	√		V
3		Spot Swordtail	Graphium nomius Esper, 1785	V		
4		Common Rose	Pachliopta aristolochiae Fabricius, 1775			٧
5		Crimson Rose	Pachliopta hector Linnaeus, 1758			٧
6		Lime Butterfly	Papilio demoleus Linnaeus, 1758	٧	٧	٧
7		Common Mormon	Papilio polytes Linnaeus, 1758			V
8	Pieridae	Western Striped Albatross	Appias libythea Fabricius, 1775	V		٧
9		Pioneer	Belenois aurota Fabricius, 1793	V	V	V
10		Common Emigrant	Catopsilia pomona Fabricius, 1775	V	V	V
11		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	V		٧
12	-	Common Gull	Cepora nerissa Fabricius, 1775	√	٧	٧
13	-	Small Salmon Arab	Colotis amata Fabricius, 1775	√		٧
14	-	Crimson Tip	Colotis danae Fabricius, 1775		٧	٧
15	_	Small Orange Tip	Colotis etrida Boisduval, 1836			٧
16	_	Common Jezebel	Delias eucharis Drury, 1773	V	٧	√
17		Small Grass Yellow	Eurema brigitta Stoll, 1780	√	٧	√
18	-	Common Grass Yellow	Eurema hecabe Linnaeus, 1758	√	٧	√
19		White Orange Tip	Ixias marianne Cramer, 1779	V	V	V
20		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	V	V	V
21		Psyche	Leptosia nina Fabricius, 1793	V		V
22		Common Wanderer	Pareronia hippia Fabricius, 1787			٧
23	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758	V		٧

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
24		Angled Castor	Ariadne ariadne Linnaeus, 1763	V		
25	-	Common Castor	Ariadne merione Cramer, 1777	٧		
26	-	Black Rajah	Charaxes solon Fabricius, 1793	٧		V
27		Painted Lady	Vanessa cardui Linnaeus, 1758	√		√
28		Plain Tiger	Danaus chrysippus Linnaeus, 1758	٧	V	√
29		Striped Tiger	Danaus genutia Cramer, 1779	√		V
30		Common Indian Crow	Euploea core Cramer, 1780	٧	V	√
31		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	√	V	√
32		Danaid Eggfly	Hypolimnas misippus Linnaeus, 1764			V
33		Peacock Pansy	Junonia almana Linnaeus, 1758	٧	V	√
34		Grey Pansy	Junonia atlites Linnaeus, 1763		V	√
35		Yellow Pansy	Junonia hierta Fabricius, 1798	٧		
36		Chocolate Pansy	Junonia iphita Cramer, 1779	V	V	V
37		Lemon Pansy	Junonia lemonias Linnaeus, 1758	V	V	V
38		Blue Pansy	Junonia orithya Linnaeus, 1758	V		
39		Common Evening Brown	Melanitis leda Linnaeus, 1758	V	V	V
40		Glassy Tiger	Parantica aglea Stoll, 1782			V
41		Common Leopard	Phalanta phalantha Drury, 1773	٧		
42		Baronet	Symphaedra nais Forster, 1771	٧		√
43		Blue Tiger	Tirumala limniace Cramer, 1775			V
44		Common Five-ring	Ypthima baldus Fabricius, 1775	V	V	V
45		Common Four-ring	Ypthima huebneri Kirby, 1871	V	V	V
46	Lycaenidae	Plum Judy	Abisara echerius Stoll, 1790			V
47		Angled Pierrot	Caleta decidia Hewitson, 1876		V	V
48		Common Pierrot	Castalius rosimon Fabricius, 1775	V	V	V
49		Forget-Me-Not	Catochrysops strabo Fabricius, 1793		V	V
50		Lime Blue	Chilades lajus Stoll, 1780	V		V
51		Plains Cupid	Chilades pandava Horsfield, 1829		٧	V

Sr. no	Family	Common Name	Scientific Name	Pre Monsoon	Monsoon	Post Monsoon
52		Indian Sunbeam	Curetis thetis Drury, 1773	√		
53		Gram Blue	Euchrysops cnejus Fabricius, 1798	V		V
54		Indian Cupid	Everes lacturnus Godart, 1824	٧		V
55		Common Cerulean	Jamides celeno Cramer, 1775	V		V
56		Zebra Blue	Leptotes plinius Fabricius, 1793	V	٧	V
57		Pale Grass Blue	Pseudozizeeria maha Kollar, 1848	V		V
58		Red Pierrot	Talicada nyseus Guerin- Meneville, 1843	V		V
59		Stripped Pierrot	Tarucus nara Kollar, 1848	V	٧	V
60		Dark Grass Blue	Zizeeria karsandra Moore, 1865	٧		V
61		Lesser Grass Blue	Zizina otis Fabricius, 1787	٧		V
62		Tiny Grass Blue	Zizula hylax Fabricius, 1775	٧		V
63	Hesperiidae	Brown Awl	Badamia exclamationis Fabricius, 1775			V
64		Rice Swift	Borbo cinnara Wallace, 1866			V
65		Dark Palm-Dart	Telicota bambusae Moore, 1878			V

Appendix D

Plant utilization by butterfly species documented from the selected fragmented habitats of Gujarat

Sr. No.	Family	Common Name	Scientific Name	Associated Plants
1	Papilionidae	Tailed Jay	Graphium agamemnon Linnaeus, 1758	Annona squamosa, Polyalthia longifolia, Michelia champaca, Jatropha integerrima
2		Common Jay	Graphium doson Felder & Felder, 1864	Polyalthia longifolia, Michelia champaca
3		Spot Swordtail	Graphium nomius Esper, 1785	Polyalthia longifolia
4		Common Rose	Pachliopta aristolochiae Fabricius, 1775	Aristolochia sp.
5		Crimson Rose	Pachliopta hector Linnaeus, 1758	Aristolochia sp.
6		Lime Butterfly	Papilio demoleus Linnaeus, 1758	Citrus sp., Aegle marmelos, Murraya koenigii
7		Common Mormon	Papilio polytes Linnaeus, 1758	Aegle marmelos, Murraya koenigii
8	Pieridae	Western Striped Albatross	Appias libythea Fabricius, 1775	Capparis sp.
9		Pioneer	Belenois aurota Fabricius, 1793	Cadaba fruticosa, Capparis sp., Tridax procumbens
10		Common Emigrant	Catopsilia pomona Fabricius, 1775	Cassia fistula, Cassia tora, Bauhinia racemosa, Butea monosperma, Jatropha integerrima
11		Mottled Emigrant	Catopsilia pyranthe Linnaeus, 1758	Cassia fistula, Cassia tora, Cassia occidentalis, Jatropha integerrima
12		Common Gull	Cepora nerissa Fabricius, 1775	Cadaba fruticosa, Capparis sp., Tridax procumbens
13	1	Small Salmon Arab	Colotis amata Fabricius, 1775	Salvadora sp., Tridax procumbens
14		Crimson Tip	Colotis danae Fabricius, 1775	Capparis sp., Cadaba fruticosa, Tridax procumbens
15		Small Orange Tip	Colotis etrida Boisduval, 1836	Salvadora sp., Cadaba fruticosa, Tridax procumbens

Sr. No.	Family	Common Name	Scientific Name	Associated Plants
16		Common Jezebel	Delias eucharis Drury, 1773	Jatropha integerrima, Viscum sp., Albizia sp.
17		Small Grass Yellow	Eurema brigitta Stoll, 1780	Cassia sp., Tridax procumbens
18		Common Grass Yellow	Eurema hecabe Linnaeus, 1758	Cassia fistula, Cassia tora, Acacia sp., Pithecolobium dulce, Tridax procumbens
19		White Orange Tip	Ixias marianne Cramer, 1779	Capparis sp., Cadaba fruticosa, Tridax procumbens
20		Yellow Orange Tip	Ixias pyrene Linnaeus, 1764	Capparis sp., Tridax procumbens
21		Psyche	Leptosia nina Fabricius, 1793	Capparis sp., Tridax procumbens
22		Common Wanderer	Pareronia hippia Fabricius, 1787	Capparis sp.
23	Nymphalidae	Tawny Coster	Acraea terpsicore Linnaeus, 1758	Passiflora sp.
24		Angled Castor	Ariadne ariadne Linnaeus, 1763	Ricinus communis, Tragia sp.
25		Common Castor	Ariadne merione Cramer, 1777	Ricinus communis, Tragia sp.
26		Common Nawab	Charaxes athamas Drury, 1770	Delonix regia, Albizia lebbeck
27		Black Rajah	Charaxes solon Fabricius, 1793	Bauhinia racemosa, Tamarindus indica, Lantana camara
28		Painted Lady	Vanessa cardui Linnaeus, 1758	Lantana camara, Alternenthera pungens, Zornia gibbosa
29		Plain Tiger	Danaus chrysippus Linnaeus, 1758	Asclepias currasavica, Calotropis procera, Lantana camara, Tridex procumbens
30		Striped Tiger	Danaus genutia Cramer, 1779	Lantana camara, Tridax procumbens, Asclepias currasavica, Tagetes erecta, Crotalaria retusa
31		Common Indian Crow	Euploea core Cramer, 1780	Nerium sp., Hemidesmus indicus, Ixora coccinea, Lantana camara, Crotalaria sp.
32		Common Baron	Euthalia aconthea Cramer, 1777	Anacardium occidentalis, Mangifera indica
33		Great Eggfly	Hypolimnas bolina Linnaeus, 1758	Ixora coccinea, Lantana camara, Sida rhombifolia, Portulaca oleracea, Abutilon sp.
34		Danaid Eggfly	Hypolimnas misippus Linnaeus,	Abelmoschus sp., Abutilon sp., Portulaca

Sr. No.	Family	Common Name	Scientific Name	Associated Plants
			1764	oleracea, Lantana camara
35		Peacock Pansy	Junonia almana Linnaeus, 1758	Barleria sp., Hydrophila articulate
36		Grey Pansy	Junonia atlites Linnaeus, 1763	Barleria sp., Hydrophila articulate
37		Yellow Pansy	Junonia hierta Fabricius, 1798	Barleria sp., Hydrophila articulate
38		Chocolate Pansy	Junonia iphita Cramer, 1779	Hydrophila articulate, Lantana camara
39		Lemon Pansy	Junonia lemonias Linnaeus, 1758	Barleria sp., Hydrophila auriculata, Sida rhombifolia, Alternanthera pungens
40		Blue Pansy	Junonia orithya Linnaeus, 1758	Sida rhombifolia, Hydrophila auriculata
41		Common Evening Brown	Melanitis leda Linnaeus, 1758	Orzo sativum, Sorghum sp. Zeal mays
42		Common Bushbrown	Mycalesis perseus Fabricius, 1775	Grasses
43		Common Sailer	Neptis hylas Linnaeus, 1758	Dalbergia sp., Zizyphus sp.
44		Glassy Tiger	Parantica aglea Stoll, 1782	Calotropis sp., Crotalaria retusa, flowers of Lantana, Tagetes, Stachyterpheta & Zinnia sp.
45		Common Leopard	Phalanta phalantha Drury, 1773	Alternanthera pungens, flowers of Asteraceae
46		Baronet	Symphaedra nais Forster, 1771	Shorea robusta
47		Blue Tiger	Tirumala limniace Cramer, 1775	Lantana camara, Calotropis procera, Asclepias currasavica, Crotalaria retusa
48		Common Five-ring	Ypthima baldus Fabricius, 1775	Grasses
49		Common Four-ring	Ypthima huebneri Kirby, 1871	Grasses
50	Lycaenidae	Plum Judy	Abisara echerius Stoll, 1790	Mostly found in shades
51		Angled Pierrot	Caleta decidia Hewitson, 1876	Zizyphus sp.
52		Common Pierrot	Castalius rosimon Fabricius, 1775	Zizyphus sp.
53		Forget-Me-Not	Catochrysops strabo Fabricius, 1793	Legumes
54		Lime Blue	Chilades lajus Stoll, 1780	Citrus sp.
55		Plains Cupid	Chilades pandava Horsfield, 1829	Cycas sp., Acacia sp. cultivated varieties of

Sr. No.	Family	Common Name	Scientific Name	Associated Plants
				beans & grams
56		Angled Sunbeam	Curetis dentate Moore, 1879	Mostly found on damp patches
57		Indian Sunbeam	Curetis thetis Drury, 1773	Lantana camara
58		Gram Blue	Euchrysops cnejus Fabricius, 1798	Vigna sp., Butea monosperma, Acacia sp., cultivated varieties beans & grams
59		Indian Cupid	Everes lacturnus Godart, 1824	Desmodium sp.
60		Common Cerulean	Jamides celeno Cramer, 1775	Saraca asoka, Butea monosperma
61		Pea Blue	Lampides boeticus Linnaeus, 1767	Butea monosperma, Crotalaria sp. Pisum sativum
62		Zebra Blue	Leptotes plinius Fabricius, 1793	Albizia lebbeck, Plumbago zeylanica
63		Pale Grass Blue	Pseudozizeeria maha Kollar, 1848	Oxalis corniculata, Strobilanthus sp.
64		Common Silverline	Spindasis vulcanus Fabricius, 1775	Cadaba fruticosa, Zizyphus sp. Clerodendrum sp.
65		Red Pierrot	Talicada nyseus Guerin- Meneville, 1843	Kalanchoe sp., Bryophyllum
66		Stripped Pierrot	Tarucus nara Kollar, 1848	Zizyphus sp.
67		Dark Grass Blue	Zizeeria karsandra Moore, 1865	Zornia gibbosa, Amaranthus spinosus, Polygonum plebeium
68		Lesser Grass Blue	Zizina otis Fabricius, 1787	Vicia sp.
69		Tiny Grass Blue	Zizula hylax Fabricius, 1775	Lantana camara, Hydrophila auriculata, Strobilanthus sp.
70	Hesperiidae	Brown Awl	Badamia exclamationis Fabricius, 1775	Combretum sp., Ficus sp.
71		Rice Swift	Borbo cinnara Wallace, 1866	Oryza sativa, Andrpogon sp., Cymbopogon sp.
72		Dark Palm-Dart	Telicota bambusae Moore, 1878	Oryza sp.