

Appendix 9.9

Butterfly Species Recorded During Field Survey

Mean number and maximum count of butterfly species recorded in Western Side (Sandy Ridge) of Assessment Area during field surveys for this Study

Species	Conservation Status ^[1]	Hong Kong Status (Chan <i>et al.</i> 2011) ^[2]	Project Site Boundary				Assessment Area								
			WC	UG	PL	WL	WC	PO	MA	UG	GR	AG	PL	WL	DA
Pigmy Scrub Hopper <i>Aeromachus pygmaeus</i>	RC	VR							0.2(1)						
Bush Hopper <i>Ampittia dioscorides</i>	-	UC					0.2(1)	0.2(1)	0.2(1)						
Forest Hopper <i>Astictopterus jama</i>	-	C	0.2(1)	0.4(2)						0.2(1)					
Formosan Swift <i>Borbo cinnara</i>	-	C						0.2(1)							
Banana Skipper <i>Erionota torus</i>	-	UC						0.2(1)							
Little Branded Swift <i>Pelopidas agna</i>	-	UC									0.4(2)				
Branded Swift sp. <i>Pelopidas sp.</i>	-	-						0.2(1)							
Great Swift <i>Pelopidas assamensis</i>	LC	R			0.2(1)	0.2(1)				0.2(1)	0.2(1)			0.2(1)	
Contiguous Swift <i>Polytremis lubricans</i>	-	C						0.2(1)			0.4(1)				
Swift sp.	-	-		0.2(1)											
Lesser Band Dart <i>Potanthus trachala</i>	-	R							0.2(1)						
Tamil Grass Dart <i>Taractrocera ceramas</i>	LC	R								0.4(1)					
Dart sp.	-	-				0.2(1)									
Grass Demon <i>Udaspes folus</i>	-	R							0.2(1)			0.2(1)			
Purple Sapphire <i>Heliophorus epicles</i>	-	C	0.2(1)												
Common Hedge Blue <i>Acytolepis puspa</i>	-	C			0.2(1)									0.2(1)	
Plain Hedge Blue <i>Celastrina lavendularis</i>	LC	VR					0.2(1)								
Tailed Cupid <i>Everes lacturnus</i>	-	C			0.4(2)	0.2(1)									
Dark Cerulean <i>Jamides bochus</i>	-	C						0.2(1)							
Long-tailed Blue <i>Lampides boeticus</i>	-	C		0.2(1)				0.2(1)			0.2(1)				
Transparent 6-line Blue <i>Nacaduba kurava</i>	-	C						0.2(1)							

Species	Conservation Status ^[1]	Hong Kong Status (Chan <i>et al.</i> 2011) ^[2]	Project Site Boundary				Assessment Area								
			WC	UG	PL	WL	WC	PO	MA	UG	GR	AG	PL	WL	DA
Quaker <i>Neopithecops zalmora</i>	-	UC				0.2(1)									
Pale Grass Blue <i>Pseudozizeeria maha</i>	-	VC			0.2(1)	0.2(1)		0.4(1)			0.8(3)	0.4(1)		0.2(1)	0.2(1)
Powdered Oak Blue <i>Arhopala bazalus</i>	-	R									0.2(1)				
Plum Judy <i>Abisara echerius</i>	-	VC		0.4(1)	0.2(1)	0.4(2)				0.2(1)	1.6(5)	0.2(1)		0.2(1)	
Punchinello <i>Zemeros flegyas</i>	-	C				0.4(2)							0.2(1)		
Common Duffer <i>Discophora sondaica</i>	-	UC			0.2(1)										
Common Nawab <i>Polyura athamas</i>	-	UC									0.2(1)				
Common Tiger <i>Danaus genutia</i>	-	C				0.2(1)		0.2(1)					0.2(1)		
Blue-spotted Crow <i>Euploea midamus</i>	-	VC		0.2(1)		0.2(1)				0.2(1)	2(10)	0.2(1)			
Striped Blue Crow <i>Euploea mulciber</i>	-	UC				0.2(1)									
Glassy Tiger <i>Parantica aglea</i>	-	C		0.4(2)	0.4(2)							0.4(2)			
Blue Tiger <i>Tirumala limniace</i>	-	C												0.2(1)	
Angled Castor <i>Ariadne ariadne</i>	-	C						0.2(1)				0.4(2)			
Common Sergeant <i>Athyma perius</i>	-	UC		0.2(1)						0.2(1)					
Staff Sergeant <i>Athyma selenophora</i>	-	C				0.2(1)									
Rustic <i>Cupha erymanthis</i>	-	VC			0.2(1)							0.2(1)		0.2(1)	
Common Mapwing <i>Cyrestis thyodamas</i>	-	C				0.2(1)						0.2(1)		0.2(1)	0.2(1)
Red-ring Skirt <i>Hestina assimilis</i>	-	C	0.2(1)								0.2(1)				
Great Egg-fly <i>Hypolimnas bolina</i>	-	C						0.2(1)				0.2(1)			
Danaid Egg-fly <i>Hypolimnas misippus</i>	LC	UC			0.4(2)			0.2(1)				0.2(1)			
Peacock Pansy <i>Junonia almana</i>	-	C									0.2(1)				

Species	Conservation Status ^[1]	Hong Kong Status (Chan <i>et al.</i> 2011) ^[2]	Project Site Boundary				Assessment Area								
			WC	UG	PL	WL	WC	PO	MA	UG	GR	AG	PL	WL	DA
Lemon Pansy <i>Junonia lemonias</i>	-	C						0.2(1)							
Blue Admiral <i>Kaniska canace</i>	-	C									0.2(1)				0.2(1)
Common Sailer <i>Neptis hylas</i>	-	VC	0.4(2)	0.2(1)	0.2(1)	0.2(1)	0.4(1)	0.6(1)		0.2(1)	0.2(1)	0.4(1)		0.2(1)	
Five-dot Sergeant <i>Parathyma sulphitia</i>	-	C	0.2(1)	0.2(1)	0.4(2)										
Short-banded Sailer <i>Phaedyma columella</i>	-	C				0.2(1)									
Banded Tree Brown <i>Lethe confusa</i>	-	C					0.4(2)								
Common Tree Brown <i>Lethe rohria</i>	-	UC											0.2(1)		
Dark-brand Bush Brown <i>Mycalesis mineus</i>	-	VC			0.2(1)	0.4(2)		0.2(1)			0.6(2)		0.2(1)	0.2(1)	
South China Bush Brown <i>Mycalesis zonata</i>	-	C				0.4(2)		0.2(1)							
Common Five-ring <i>Ypthima baldus</i>	-	VC	0.2(1)	0.2(1)		0.4(2)	0.2(1)	0.2(1)			0.4(1)	0.4(1)		0.2(1)	
Straight Five-Ring <i>Ypthima lisandra</i>	-	C		0.2(1)						0.2(1)					
Small Three-ring <i>Ypthima norma</i>	LC	VR		13.8(50)	1.2(6)	0.4(2)				0.2(1)					
Common Mime <i>Chilasa clytia</i>	-	C		0.4(2)							0.2(1)				
Tailed Jay <i>Graphium agamemnon</i>	-	C		0.2(1)		0.6(2)					0.2(1)	0.2(1)			
Common Jay <i>Graphium doson</i>	-	C		0.2(1)											0.2(1)
Common Bluebottle <i>Graphium sarpedon</i>	-	VC			0.4(2)						0.4(1)	0.4(1)			0.4(2)
Chinese Peacock <i>Papilio bianor</i>	-	C						0.2(1)						0.2(1)	0.2(1)
Red Helen <i>Papilio helenus</i>	-	VC					0.2(1)				0.2(1)				
Great Mormon <i>Papilio memnon</i>	-	VC	0.2(1)			0.2(1)			0.2(1)			0.4(1)		0.2(1)	
Paris Peacock <i>Papilio paris</i>	-	VC			0.2(1)	0.2(1)				0.2(1)				0.2(1)	
Common Mormon <i>Papilio polytes</i>	-	VC			0.6(2)	0.2(1)	0.4(1)	0.2(1)		0.2(1)	0.6(1)	0.6(2)	0.2(1)	0.6(2)	0.4(1)

Species	Conservation Status ^[1]	Hong Kong Status (Chan <i>et al.</i> 2011) ^[2]	Project Site Boundary				Assessment Area								
			WC	UG	PL	WL	WC	PO	MA	UG	GR	AG	PL	WL	DA
Spangle <i>Papilio protenor</i>	-	VC								0.2(1)					
Swallowtail <i>Papilio xuthus</i>	-	R					0.2(1)			0.4(2)					
Lemon Emigrant <i>Catopsilia pomona</i>	-	C		0.4(2)	0.4(2)		0.2(1)				0.2(1)	0.2(1)		0.4(1)	0.2(1)
Mottled Emigrant <i>Catopsilia pyranthe</i>	-	VC		0.4(2)	0.4(2)						0.2(1)	0.2(1)			
Tailed Sulphur <i>Dercas verhuelli</i>	-	R												0.2(1)	
Three-spot Grass Yellow <i>Eurema blanda</i>	-	C										0.2(1)			
Small Grass Yellow <i>Eurema brigitta</i>	LC	R								0.2(1)					
Common Grass Yellow <i>Eurema hecabe</i>	-	VC		0.2(1)		0.4(1)		0.2(1)						0.2(1)	
Grass Yellow sp. <i>Eurema sp.</i>	-	-		0.4(2)	0.6(3)	0.4(2)									
Common Gull <i>Cepora nerissa</i>	-	C									0.2(1)	0.2(1)			
Red-breast Jezebel <i>Delias acalis</i>	LC	R					0.2(1)			2(10)					
Painted Jezebel <i>Delias hyparete</i>	-	UC									0.2(1)				
Red-base Jezebel <i>Delias pasithoe</i>	-	VC												0.4(2)	
Yellow Orange Tip <i>Ixias pyrene</i>	-	UC										0.2(1)			
Indian Cabbage White <i>Pieris canidia</i>	-	VC	0.2(1)				0.6(3)			0.2(1)	1.2(6)	3.6(10)	0.6(3)	0.2(1)	0.8(3)
Total number of butterfly species of conservation significance recorded			0	1	3	2	2	1	1	5	1	1	0	2	0
Total number of butterfly species recorded			8	19	19	24	11	21	5	16	25	23	5	19	9

Note:

[1] Conservation status by Fellowes *et al.* (2002): RC=Regional Concern; LC=Local Concern.

[2] Hong Kong Status by Chan *et al.* (2011): VR=Very Rare; R=Rare; UC=Uncommon; C=Common; VC=Very Common.

Key:

Numbers in bracket represent the maximum number recorded.

Habitat Type: WC= Watercourse, PO= Pond, MA= Marsh, SH= Shrubland, UG- Upland Grassland; GR= Grassland, AG= Agriculture, PL= Plantation, WL= Woodland, DA= Developed Area.

Mean number and maximum count of butterfly species recorded in Eastern Side (LMHR) of Assessment Area during field surveys for this Study

Species	Level of Concern ⁽¹⁾	Hong Kong Status ⁽²⁾	Project Site Boundary		Assessment Area							
			PL	DA	AG	UG*	MA	PL	WL	SH	WC	
Jhora Scrub Hopper <i>Aeromachus jhora</i>	-	R				0.11(1)						
Bush Hopper <i>Ampittia dioscorides</i>	-	UC						0.55(5)				
Forest Hopper <i>Astictopterus jama</i>	-	C						0.11(1)				
Grass Demon <i>Udaspes folus</i>	-	R			0.22(1)			0.33(2)				
Chestnut Angle <i>Odontoptilum angulatum</i>	-	C						0.11(1)				
Purple Sapphire <i>Heliophorus epicles</i>	-	C						0.22(1)	0.11(1)			
Common Hedge Blue <i>Acytolepis puspa</i>	-	C						0.11(1)				
Plain Hedge Blue <i>Celastrina lavendularis</i>	LC	VR										0.11(1)
Pale Grass Blue <i>Pseudozizeeria maha</i>	-	VC					0.11(1)					
Plum Judy <i>Abisara echerius</i>	-	VC	0.11(1)				0.11(1)	0.11(1)				
Common Mapwing <i>Cyrestis thyodamas</i>	-	C			0.11(1)							
Great Egg-fly <i>Hypolimnas bolina</i>	-	C						0.11(1)	0.11(1)			
Peacock Pansy <i>Junonia almana</i>	-	C					0.22(2)					0.11(1)
Grey Pansy <i>Junonia atlites</i>	-	C			0.11(1)							
Blue Admiral <i>Kaniska canace</i>	-	C					0.22(1)					
Common Sailer <i>Neptis hylas</i>	-	VC					0.11(1)	0.11(1)				
Dark-brand Bush Brown <i>Mycalesis mineus</i>	-	VC	0.11(1)				0.22(2)		0.44(3)		0.11(1)	0.22(2)
Common Five-ring <i>Ypthima baldus</i>	-	VC					0.22(1)					

Species	Level of Concern ⁽¹⁾	Hong Kong Status ⁽²⁾	Project Site Boundary		Assessment Area							
			PL	DA	AG	UG*	MA	PL	WL	SH	WC	
Common Bluebottle <i>Graphium sarpedon</i>	-	VC								0.11(1)	0.11(1)	
Chinese Peacock <i>Papilio bianor</i>	-	C						0.11(1)				
Red Helen <i>Papilio helenus</i>	-	VC			0.11(1)	0.11(1)					0.11(1)	
Great Mormon <i>Papilio memnon</i>	-	VC			0.22(1)	0.11(1)	0.11(1)			0.11(1)		
Paris Peacock <i>Papilio paris</i>	-	VC					0.11(1)					
Common Mormon <i>Papilio polytes</i>	-	VC		0.11(1)	0.22(1)	0.22(1)	0.22(1)					
Five-bar Swordtail <i>Pathysa antiphates</i>	-	C			0.11(1)							
Lemon Emigrant <i>Catopsilia pomona</i>	-	C				0.11(1)	0.44(3)					
Three-spot Grass Yellow <i>Eurema blanda</i>	-	C			0.11(1)							
Common Grass Yellow <i>Eurema hecabe</i>	-	VC					0.11(1)					
Indian Cabbage White <i>Pieris canidia</i>	-	VC		0.11(1)	2.44(20)							
Total number of species of conservation significance recorded			0	0	1	1	1	0	0	0	0	1
Total number of species recorded			2	2	9	12	15	3	2	3	3	

Notes:

[1] Conservation status by Fellowes *et al.* (2002): LC=Local Concern.

[2] Hong Kong Status by Chan *et al.* (2011): VR=Very Rare; R=Rare; UC=Uncommon; C=Common; VC=Very Common.

Key:

* include both upland grassland and lowland grassland

Numbers in bracket represent the maximum number recorded.

Habitat Type: WC= Watercourse, MA= Marsh, SH= Shrubland, UG= Upland Grassland, AG= Agriculture, PL= Plantation, WL= Woodland, DA= Developed Area.