APPENDIX 6
Butterfly records (2003-2009)

Table 6.1 Summary table of butterfly counts along the Yellow Land Transect; 2003-09 (Pam Reason and Mike Slater).

		Species record																										
Year	Date	Small Blue	Dingy Skipper	Grizzled Skipper	Common Blue	Red Admiral	Small Heath	Speckled Wood	Marbled White	Meadow Brown	Small Skipper	Large Skipper	Ringlet	Comma	Small White	Large White	Green Veined White	Gate Keeper	Sml Tortoiseshell	Green Hair Streak	Orange Tip	Brimstone	Peacock	Painted Lady	Clouded Yellow	Burnet Moth	**Total number**	**Species Number**	Notes
2003	01-Apr	0																											
	09-May	7	1																								8	2	
	19-May	9				1																					10	2	
	30-May	12			5		1																				18	3	
	09-Jun	2			2																						4	2	
	20-Jun						2	1	1	1	3		1														9	6	Kidney vetch going over. Common centaury and yellowort and lady's bedstraw in abundance. 6 bee orchids. Skylarks. Azure damselflies in great numbers.
	29-Jun						1		8	7	3		9	1													29	6	
	06-Jul	1					1		2	3	1		9		1												18	7	
	01-Aug				4					3	1				1		2	10									21	6	
	11-Sep	0																									0	1	
2004	01-Apr	0																									0	1	
	24-Apr																		1	1	1	1					4	4	
	13-May	2																									2	1	
	20-May	7			2											1											10	3	
	27-May	3			3																						6	2	
	04-Jun	1			1		1																				3	3	
	07-Jun			1	1		1																				3	3	
	02-Jul		1				2		5	3			5														16	5	
	26-Jul		3		4				3	4					4	2	1	15								36	36	9	hundreds of grasshoppers and crickets
	11-Sep	0																									0	1	
2005	01-Apr	0																									0	1	
	19-May	5																									5	1	
	29-May				1																						1	1	
	09-Jun	2			3																						5	2	Burnet Companion; Blue Damselfly
	17-Jun							2																			2	1	
	27-Jun				3	1		2	4	4			4														18	6	
	08-Jul								6	5			4					1								1	16	5	
	11-Sep	0																									0	1	
2006	01-Apr	0																									0	1	
	04-May							3													4						7	2	
	11-May		2					1													1	1					5	4	
	25-May				3										1												4	2	
	02-Jun				2																						2	1	
	06-Jun	5			4																						9	2	Blue Damselfly (5); Clear Damselfly (4)
	15-Jun				2		3	2														1					8	4	Blue Damselfly (2); Clear Damselfly (1)
	22-Jun							3			1																4	2	
	30-Jun								5	12			2														19	3	
	20-Jul					1			1				2	1		2		1	1								9	7	
	26-Jul								1				1	1		3		2									8	5	
	11-Sep	0																									0	1	
2008	01-Apr	0																									0	1	
	04-Apr																		2								2	1	
	15-Apr																					1					1	1	
	22-Apr																		1		1	2	2				6	4	
	12-May				2			1							1						1						5	4	
	20-May		1		3																		1				5	3	
	29-May	1			4																	1					6	3	Burnet Companion (1)
	09-Jun	1			2			1									1					2					7	5	
	20-Jun				3		1																				4	2	
	30-Jun								4	5	6		5														20	4	
	10-Jul								5	6	4		2			3		1									21	6	
	21-Jul								3	17		6	1					15								20	42	6	
	28-Jul				1			3	2	3	1	1	1			1		8								48	21	10	
	07-Aug				1	1				3	3		1			2		6								###	17	8	
	15-Aug				1			3		5					1	1		1								52	12	7	
	28-Aug				4		2	1							1			1								2	9	6	
	11-Sep	0																									0	1	
2009	01-Apr																										0	0	
	14-Apr							1														5	1				7	3	
	21-Apr							1								2						2	3				8	4	
	26-Apr							1																			1	1	
	19-May	2			1										1												4	3	green luminous beetle
	22-May	7			4																						11	2	
	25-May	8			8																						16	2	Burnet Companion 4
	01-Jun	9			5										2									1			17	4	
	09-Jun	2																									2	1	
	16-Jun				1				1																		2	2	
	23-Jun				1			3	5	2		2										1					14	6	Blue Damselfly (1)
	29-Jun								5	1		5	5														16	4	
	07-Jul						1		15	3	10		7		2							1					39	7	Six spot burnet (2)
	15-Jul				1						5		2		3	1	1					4					17	7	Silver Y (1); Six Spot Burnet (2)
	28-Jul				7			6		1	1			1	3	8		9				2		1			39	10	6 Spot burnet (5)
	11-Aug				12			1							1	3		12						1	1		31	7	6 Spot burnet (3); Emporer Dragonfly
	11-Sep													1													1	1	

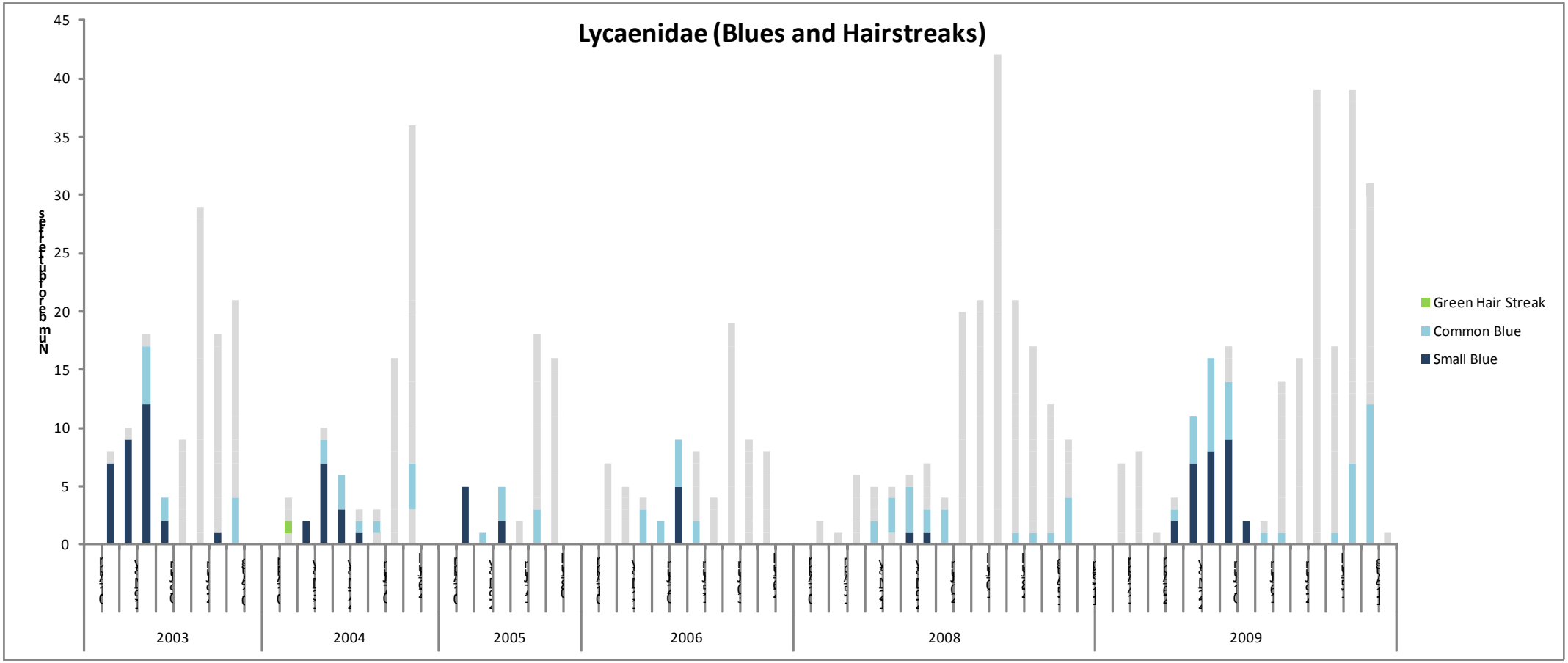

Figure 6.1 Bar chart showing the number of Lycaenidae during 2003-09, in comparison to total numbers of all species recorded on the Yellow Land transect (Data from Pam Reason and Mike Slater).

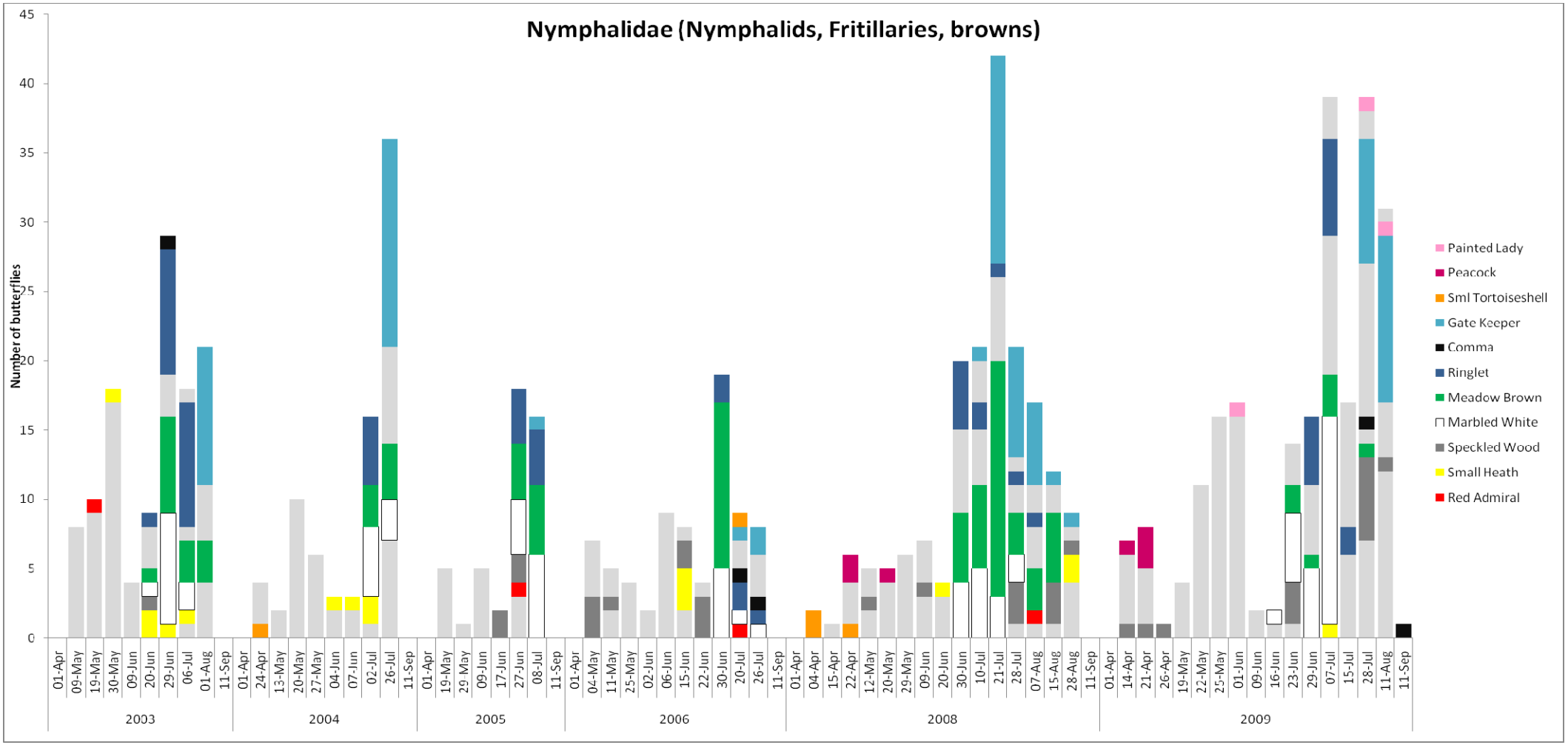

Figure 6.2 Bar chart showing the number of Nymphalidae during 2003-09, in comparison to total numbers of all species recorded on the Yellow Land transect (Data from Pam Reason and Mike Slater).

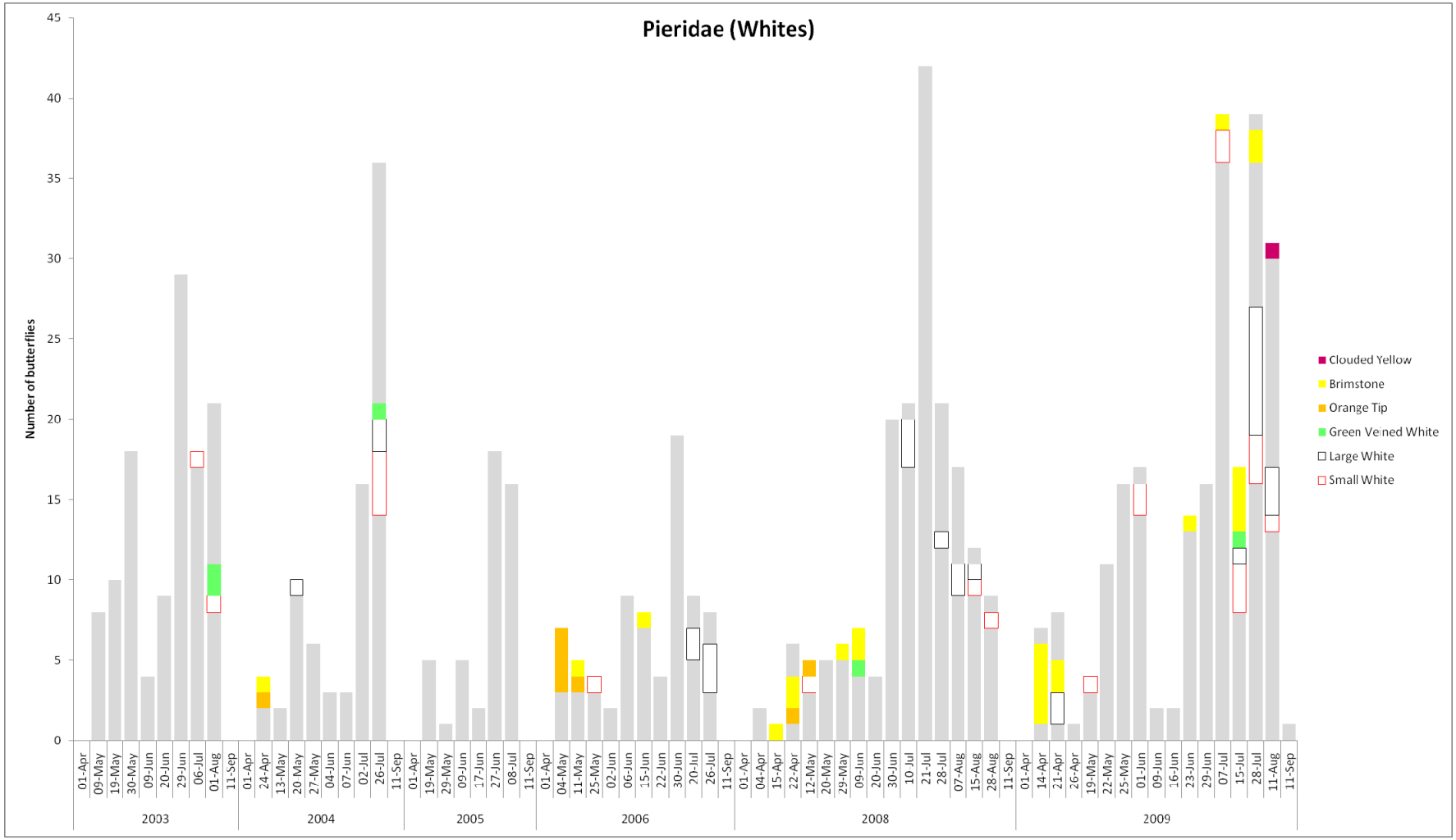

Figure 6.3 Bar chart showing the number of Peiridae during 2003-09, in comparison to total numbers of all species recorded on the Yellow Land transect (Data from Pam Reason and Mike Slater).

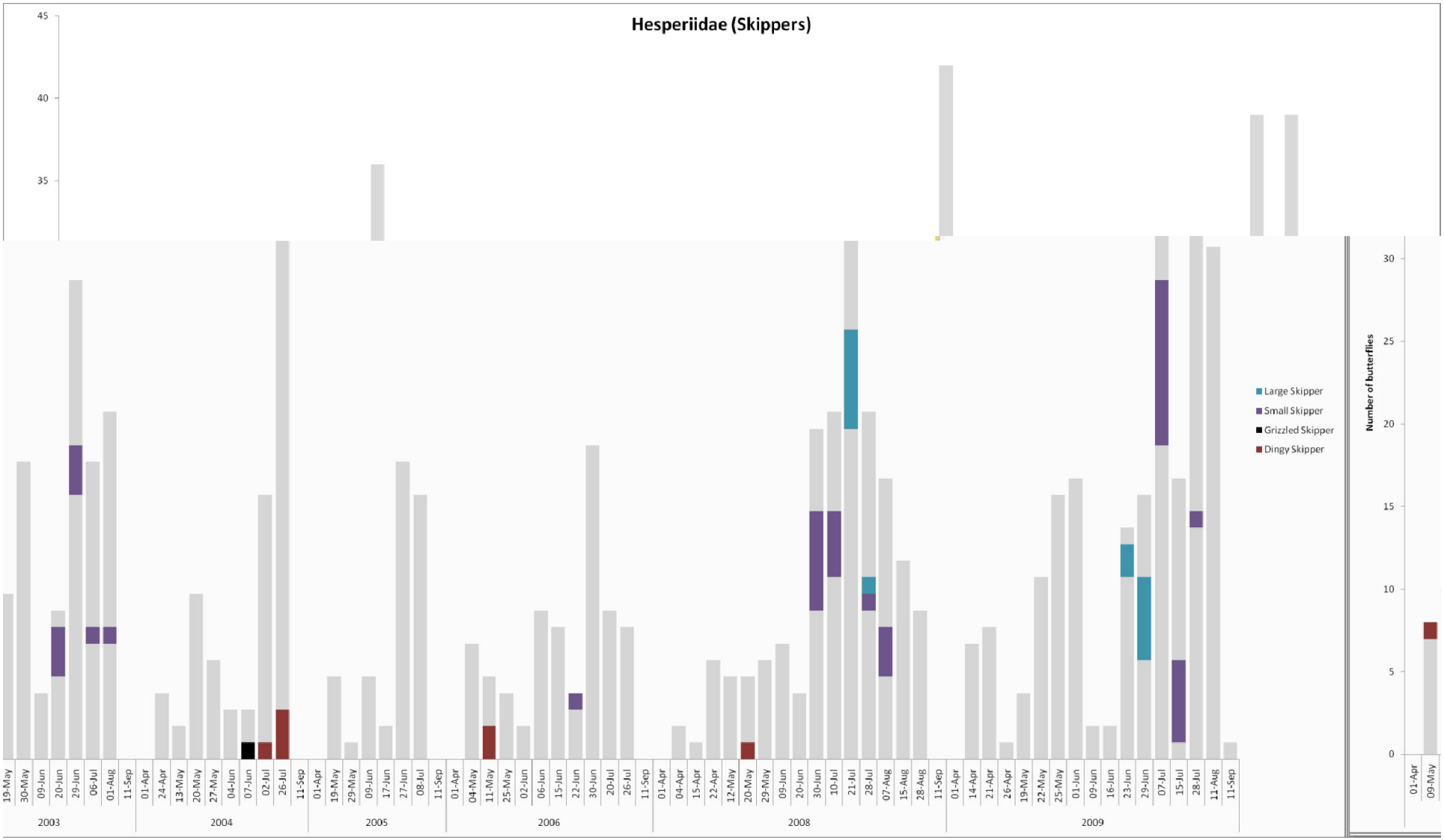

Figure 6.4 Bar chart showing the number of Hesperiidae during 2003-09, in comparison to total numbers of all species recorded on the Yellow Land transect (Data from Pam Reason and Mike Slater).

Butterfly records for Bishops heaps 2003.

Friday 9th May – 3pm - sunny 15-16, 40% cloud, slight breeze.
Part 1 of transect (Yellow Land)
Small blue 7 (one pair mating)
Dingy skipper 1
Part 2 of transect (across bottom and up side of hill)
Green hairstreak 3
Common blue 1
Lattice heath 1
Part 3 of transect (across top of hill)
Dingy skipper 1
Painted lady 1
Green hairstreak 3
Grizzled skipper 1
Part 4 of transect (scrub area)
Dingy skipper 1
Brimstone 1
Peacock 1
Green Hairstreak 2
Tortoiseshell 1
Small heath 1
Small blue 1

Monday 19th May – 1.30pm – sunny 16, 50% cloud, cool, strong breeze. (1.45pm clouded right over; 1.55pm cleared again)
Lots of salad burnet and kidney vetch; a few twayblades.
Part 1 (yellow land)
Small blue 5
Red admiral 1
Part 2 (across bottom and up hill)
Small blues 5
Lots of iridescent green beetles
Part 3 (across top)
Small blue 2
Part 4 (scrub)
Peacock 1

Friday 30th May – 12.30pm – hot and sunny, 22, 0% cloud, very slight breeze.
Kidney vetch really well out. Lots of salad burnet and quaking grass.

Part 1 (yellow land)

Small blue	12
Common blue	5
Small heath	1

Part 2 (across bottom and up hill)

Small blue	39
Small white	2
Common blue	15
Brimstone	1
Small heath	9
Green hairstreak	1

Part 3 (across top)

Small heath	1
Common blue	33
Small blue	7
Large White	1

Part 4 (Scrub)

Small heath	4
Small blue	9
Common Blue	4
Brimstone	3

Monday 9th June – 1pm – warm and sunny 20 degrees –50% cloud – slight breeze.
Kidney vetch half over; orchids; lots of ox-eye daisies and dog roses

Part 1 (Yellow land)

Small blue	2
Common blue	2
Lattice heath	1

Part 2 (across bottom and up hill)

Small heath	9
Small blue	14
Common blue	7

Part 3 (across top)

Common blue	5
Painted lady	**1**

Part 4 (scrub)

Small blue	3
Common blue	1

Friday June 20th – noon – warm and sunny 19 degrees – 50% cloud – cool breeze. Kidney vetch going over. Common centaury and yellowort and lady's bedstraw in abundance. 6 bee orchids. Skylarks. Azure damselflies in great numbers.

Part 1 (Yellow land)

Speckled wood	1
Marbled white	1
Meadow brown	1
Small heath	2
Skipper	3
Ringlet	1

Part 2(across bottom and up hill)

Small heath	51
Marbled white	2
Meadow brown	5
Common blue	1

Part 3(across top)

None

Part 4 (scrub)

Meadow brown	2
Marbled white	1
Small skipper	1
Ringlet	1
Small heath	3

Sunday 29th June – 2pm – warm and sunny 24 degrees – 30% cloud – slight breeze. Kidney vetch gone to seed.

Part 1 (Yellow land)

Comma	1
Ringlet	9
Small skipper	3
Marbled white	8
Meadow brown	7
Small heath	1

Part 2 (across bottom and up hill)

Marbled white	11
Small Skipper	1
Meadow brown	16
Small heath	1
Large skipper	2

Part 3 (across top)

Large skippers	3
Marbled white	3
Meadow brown	4
Small white	1

Part 4 (scrub)

Marbled white	15
Meadow brown	12
Skipper	4
Ringlet	2
Small heath	3
Large white	1

Friday 6th July – 1.30pm – warm and still 20 degrees – 100% cloud.

Part 1 (Yellow land)

Small white	1
Ringlet	9
Meadow brown	3
Small skipper	1
Small blue	1
Small heath	1
Marbled white	2

Part 2 (across bottom and up hill)

Ringlet	2
Small blue	1
Small heath	4
Marbled white	17
Small skipper	3
Meadow brown	11

Part 3 (across top)

Meadow brown	5
Marbled white	1

Part 4 (scrub)

Small white	1
Meadow brown	5
Marbled white	3
Ringlet	4
Small heath	1
Skipper	2

Friday 1st August – 3pm – 19 degrees – breezy – 90% cloud

Part 1 (Yellow land)

Green veined white	2
Magpie moth	1
Gatekeeper	10
Meadow brown	3
Common blue	4
Small white	1
Small skipper	1

Part 2(across bottom and up hill)

Common blue	40
Burnet moth	4
Meadow brown	6
Large white	6
Small heath	1
Small white	4
Gatekeeper	2
Clouded yellow	**1**
Painted lady	**1**

Part 3 (across top)

Common blue	4
Ringlet	1
Burnet moth	11
Gatekeeper	1
Meadow brown	5

Part 4 (scrub)

Green veined white	8
Ringlet	3
Meadow brown	9
Common blue	3
Gatekeeper	9
Peacock	1
Comma	1

Bishops Heaps butterfly records for 2004

Monday 19th April – 2.15pm 13degrees C, sunny, slight breeze, 40% cloud.
Transect 4 – Scrub
Peacock 2

Saturday 24th April – 1pm, 17 degrees C, warm, sunny, slight breeze, 5% cloud
Transect 1 –Yellow land
Tortoiseshell 1
Green Hairstreak 1
Brimstone 1
Orange tip 1
Transect 2 – up the hill
Orange tip 1
Transect 3 – across top of hill
Peacock 1
Transect 4 – Scrub
Green hairstreak 3
Tortoiseshell 1
Peacock 2

Thursday 13th May – 1pm, dry, very slight breeze, 100% cloud
Transect 1 – Yellow land
Small blue 2
Transect 2 – up hill
Small blue 7
Small heath 1

Thursday 20th May – 1pm, Breeze, 15 degrees C, 100% cloud
Transect 1 – Yellow land
Small blue 7
Common blue 2
Large white 1
Transect 2 – up hill
Small blue 21
Common blue 2 (mating)
Transect 3 – across top
Small blue 1
Transect 4 – scrub
Small blue 5
Gren hairstreak 2

Common blue 3

Thursday 27th May – 1.30pm, 16 degrees C breeze, sunny, 60% cloud
Transect 1 – Yellow land
Small blue 3
Common blue 3
Transect 2 – up hill
Small blue 19
Common blue 17
Small heath 1
Dingy skipper 3
Lattice heath 1
Transect 3 – across top (clouded over and got blowy)
Grizzled skipper 1
Burnet companion 1
Small blue 1
Common blue 9
Transect 4 – scrub
Grizzled skipper 2
Common blue 8
Small blue 7 (including pair mating)

Friday 4th June – 12noon, warm, breeze, 18 degrees C 100% cloud
Transect 1 – Yellow land
Common blue 1
Small heath 3
Small blue 1
Transect 2 – up hill
Common blue 7
Small blue 8
Small heath 1
Lattice heath 1
Green veined white 1
Dingy skipper 1
Transect 3 – across top (bit of rain and sun)
Common blue 32
Small heath 2
Transect 4 – scrub
Small blue 1
Common blue 1
Small heath 3

Cinnabar moth 1
Lattice heath 1

Monday 7th June – 1.45pm, very hot and sunny, 23 degrees C, breeze, 0% cloud
Transect 1 – Yellow land
Common blue 1
Grizzled skipper 1
Small Heath
Transect 2 – up hill
Small Heath 8
Common Blue 5
Small blue 12
Orange tip 1
Dingy skipper 2
Grizzled skipper 2
Lattice heath 1
Green hairstreak 2
Transect 3 – across top
Common blue 34
Small heath 1
Small blue 2
Painted lady 1
Green hairstreak 1
Clouded yellow 1
A group of bee orchids at back of heap (20 yards off path) 15+ small blues
Transect 4 – scrub
Small heath 6
Small white 1
Small blue 2
Lattice heath 1

Access blocked on 11th June but found a way round. Then bad weather until

Friday 2nd July – 3.15pm, warm, windy, sun and showers, 70% cloud
Transect 1 – Yellow land
Meadow brown 3
Marbled white 5
Dingy skipper 1
Small heath 2
Ringlet 5

Transect 2 – up hill
Small heath 2
Dingy skipper 2
Ringlet 1
Tortoiseshell 1
Marbled white 7
Meadow brown 2
Transect 3 – across top
Meadow brown 1
Marbled white 1
Transect 4 – scrub
Meadow brown 1
Ringlet 1
Marbled white 2
Small heath 2

Monday 26th July – 3.30pm, very warm, sun/cloud, breezy, 20 degrees C, 50% cloud
Transect 1 – Yellow land
Gatekeeper 15
Small white 4
Large white 2
Meadow brown 4
Dingy skipper 3
Common blue 4
Marbled white 3
Green veined white 1
Burnet moth 36
Hundreds of grasshoppers and crickets
Transect 2 – up hill
Burnet moth 200+
Meadow brown 16
Green veined white 10
Gatekeeper 11
Common blue 8
Grizzled skipper 3
Small white 7
Marbled white 1
Ringlet 1
Small blue 1
Large white 1

Small heath 1
Dingy skipper 1
Transect 3 – across top
Burnet moth 170+
Small white 3
Meadow brown 1
Green veined white 1
Chalk carpet 1
Transect 4 – scrub
Green veined white 1
Gatekeeper 4

Butterfly records for Bishops Heaps 2005

Entrance to yellow land still blocked off, necessitating a slight change in route.

April 29th – 4.30 – sunny, warm, 15/16 degrees, 10% cloud, slight breeze

Transect 1 (Yellow land)
Open areas continue to scrub up.
No butterflies.

Transect 2 (Across bottom of heap and up the side)
No butterflies.

Transect 3 (Along top just to the back)
Orange tip 2
Shield bugs (hawthorn) – about 20 on mullein.

Transect 4 (Across flat scrub)
Tortoiseshell 2
Peacock 2
Green Hairstreak 2
Female Orange Tip 1

Predominant plants – cowslip, ground ivy, coltsfoot.

May 13th – 3pm – Sunny, warm, very windy, 14 degrees, 10% cloud.

Transect 1
No butterflies.

Transect 2
Small blue 1

Transect 3
No butterflies.

Transect 4
Green Hairstreak 4
Common Blue 1
Green veined white 1

Predominant or interesting plants – Common vetch, buttercups, kidney vetch, ground ivy, germander speedwell, salad burnet and twayblade.

Thursday 19th May – 2.30pm – breezy, 13 degrees, 80% cloud, sunny/cloudy.

Transect 1
Small blue 5

Transect 2
Dingy skipper 3
Small blue 1

Transect 3
Clouded over totally – no butterflies

Transect 4
Brimstone 2
Dingy skipper 1
Small blue 1

Predominant plants – buttercup, kidney vetch, common vetch, horsetail.
Heard cuckoo.

Sunday 29th May – 11am –warm, sunny with a breeze, 16 degrees, 10% cloud

Transect 1
Common blue 1

Transect 2
Small blue 28
Common blue 16
Small white 1
Dingy skipper 1

Transect 3
Small blue 2
Common blue 8
Silver Y 4

Transect 4
Common blue 4

Small white 1
Green hairstreak 2
Small heath 1
Small blue 1
Lattice heath 1

Predominant plants – quaking grass, ox eye daisy, dog rose, cats ear hawkweed, kidney vetch.
Cuckoo spit on salad burnet and birds foot trefoil.
Muntjac, long tail tits

Thursday 9th June – 4pm – overcast but warm, 18 degrees, slight breeze.

Transect 1
Small blue 2
Common blue 3
Burnet companion 1
Blue damselfly 1

Transect 2
Common blue 13
Small blue 6
Small Heath 4
Lattice Heath 2

Transect 3
No butterflies

Transect 4
Small blue 4
Common blue 16
Small white 1
Golden/black dragonfly 1

Predominant or interesting plants – common spotted orchid, goatsbeard, crested dogstail, Lucerne, kidney vetch, dog rose, ox eye daisy. The heap covered in a beautiful mix of ox eye daisy, quaking grass, kidney vetch, salad burnet, cocksfoot and hop trefoil. Two areas of bee orchids – 3 at entrance to scrub area and 7 on corner of Yellow land.

Friday 17th June – 2pm – 22 degrees, 80% cloud, sun/cloud, breezy

Transect 1

Speckled wood	2

Transect 2

Small heath	5
Common blue	11
Large white	1
Dingy skipper	1
Small white	1
Large skipper	1
Small blue	6
Meadow brown	5
Burnet Companion	4

Transect 3

Common blue	7

Transect 4

Common blue	3
Meadow brown	1
Small heath	1
Small white	1

Predominant or interesting plants – common spotted orchid, ox eye daisy, quaking grass, stone crop, fairy flax, hop trefoil, crested dogs tail, timothy grass, bee orchid.

Monday 27th June – 4pm – hot sunny, 0% cloud, 23 degrees, slight breeze.

Transect 1

Meadow brown	4
Ringlet	4
Speckled wood	2
Common blue	3
Red admiral	1
Marbled white	4
Small heath	1
Burnet moth	1
Lattice heath	1

Transect 2

Meadow brown	17 + 1 pair mating
Marbled white	5
Ringlet	1
Common blue	2
Large skipper	1
Small heath	2
Burnet moth	5
Lattice heath	1

Emperor dragonfly 2

Transect 3

Meadow brown	10
Marbled white	3
Burnet moth	8

Transect 4

Meadow brown	25
Marbled white	10
Common blue	2
Brimstone	1
Ringlet	6
Red admiral	1
Lattice heath	1

Predominant or interesting plants – common centaury, yellowort, wild carrot, St.John's wort, lady's bedstraw. Kidney about over.

Friday 8th July – 3.30pm – warm, sunny, windy, 20 degrees, 50% cloud.

Transect 1

Meadow brown	5
Ringlet	4
Marbled white	6
Gatekeeper	1
Large skipper	4
Burnet moth	1

Transect 2 (90% cloud)

Marbled white	19

Ringlet	1
Meadow brown	11
Large skipper	2
Common blue	1
Small tortoiseshell	1
Burnet moth	5

Transect 3

Meadow brown	6 + 1 pair mating
Marbled white	5
Large skipper	1
Ringlet	1
Chalk carpet (I think!)	1

Transect 4

Meadow brown	20
Small heath	2
Marbled white	23
Large skipper	5
Ringlet	5

Predominant or interesting plants – common centaury, yellowwort, wild carrot, hop trefoil, bush vetch, lady's bedstraw, birdsfoot trefoil, mullein (2), bee orchid, common mallow, St John's wort, creeping cinqufoil.
Songthrush. Hundreds of crickets/grasshoppers.

Butterfly records for Bishops Heaps 2006

Thursday 4th May – 1.30pm – sunny, 20 degrees, windy, no cloud

Transect 1 (Yellow land)

Orange tip	4
Speckled wood	3

Transect 2 (along the base and up the hill)

No butterflies	
Silver Y	1

Transect 3 (across top, back of hill)

No butterflies	
Red tailed bees	2

Transect 4 (scrub)

Brimstone	3 females/2 males
Common blue	2
Orange tip	1
Peacock	1

Other notes – kidney vetch leaves only just showing; cowslips, swifts, skylark, 2 buzzard.

Thursday 11th May – 3.30pm – sunny, hot, 22 degrees, no cloud, little or no breeze

Transect 1

Dingy skipper	2 (mating)
Orange tip	1
Brimstone	1
Speckled wood	1

Transect 2

No butterflies

Transect 3

Orange tip	2
Peacock	1

2 patches of wild strawberry at the far end

Transect 4

Dingy skipper	1
Brimstone	1
Comma	1
Peacock	1
Orange tip	1

Other notes – masses of cowslips

Thursday 25th May – 3.10pm – sunny, warm, 17 degrees, 20% cloud, slight breeze

Transect 1

Small white	1
Common blue	3 including 1 female

Transect 2

Brimstone	1
Common blue	4
Small blue	2
Dingy skipper	2
Green hairstreak	1
Burnet companion	2

Transect 3

Common blue	1
Dingy skipper	2
Grizzled skipper	3 (on the strawberry patch)
Silver Y	1
Lattice Heath	1
Chalk carpet	1 (I think)

Transect 4

Dingy skipper	2
Peacock	2

Other notes – first kidney vetch flowers, quaking grass, hawthorn blossom, salad burnet, common vetch, first ox eye daisies and birds foot trefoil.

Friday 2nd June – 2pm – warm, sunny, 20 degrees, 10% cloud slight breeze

Transect 1

Common blue	2

Transect 2

Dingy skipper	2
Common blue	10
Small blue	2
Small heath	2
Brimstone	1 (female)
Blue damselfly type	2
A striped damselfly – almost clear – can't identify	10

Transect 3

Common blue	4
Green hairstreak	1
Dingy skipper	2
Small white	1
Small heath	2
Burnet companion	1
Silver Y	1

Transect 4

Dingy skipper	1
Peacock	1
Brimstone	1(male)
Common blue	2
Burnet companion	1

Other notes – ox eye daisies, salad burnet, crested dogs tail, mouse eared hawkweed.

Tuesday 6th June – 3.30pm – hot, 23 degrees, no breeze, 90% cloud

Transect 1

Small blue	5
Common blue	4
Blue damselfly	5 (see 2/6/06)
Clear damselfly	4 (see 2/6/06)

Transect 2

Small blue	15

Green hairstreak	1
Common blue	5
Small heath	3
Lattice heath	1
Blue damselfly	4
Clear damselfly	4

Transect 3

Common blue	28 (inc several females)
Small heath	1
Burnet companion	1

Transect 4

Small blue	3
Common blue	2
Small heath	1
Blue damselfly	1
Clear damselfly	4

Other notes – ox eye daisy, quaking grass, kidney vetch, bee orchid, salad burnet, goatsbeard, crested dogs tail, dog roses, common spotted orchid.

Thursday 15th June – 2pm – warm, sunny, very little breeze, 18 degrees, 40%-60% cloud.

Transect 1

Brimstone	1
Speckled wood	2
Common blue	2
Small heath	3
Blue damselfly	2
Clear damselfly	1

Transect 2

Common blue	2
Small heath	4
Meadow brown	3
Small blue	1
Burnet moth	1

Transect 3

Small blue	1
Small heath	1
Common blue	3
Blue damselfly	1+1 pair mating (see 2/6/06)

Transect 4

Small heath	1
Painted lady	1
Meadow brown	3
Common blue	1
Brimstone	1
Blue damselfly	3 (see 2/6/06)

Other notes – kidney vetch going over, dog roses, quaking grass, 3 bee orchids on Yellow land and 3 just over top of hill and 2 in 2nd quadrant and 3 in grassy area next to entrance from footpath, lady's bedstraw, lots of cuckoo spit on birdsfoot trefoil, Robin's pin cushion, common spotted orchids.

Thursday 22nd June – 2pm – sunny, cloudy (50%), 18 degrees, windy.

Transect 1

Small skipper	1
Speckled wood	3

Transect 2

Marbled white	6
Common blue	7
Meadow brown	18
Small blue	1
Blue damselfly	1 (see 2/6/06)

Transect 3

Meadow brown	4
Ringlet	1
Blue damselfly	4 (see 2/6/06)

Transect 4

Meadow brown	3
Ringlet	1

Small heath	3
Marbled white	1
Blue damselfly	2 (see 2/6/06)

Other notes – 2 bee orchids by dog rose, common centaury, Lucerne, knapweed, lady's bedstraw, birdsfoot trefoil, skylarks.

Friday 30th June – 4pm – hot, 23 degrees, sunny, 60% cloud, slight breeze.

Transect 1

Meadow brown	12
Marbled white	5
Ringlet	2

Transect 2

Marbled white	43
Small skipper	8
Common blue	1+1female
Meadow brown	15
Small heath	3
Ringlet	3
Blue damselfly	1 (see 2/6/06)

Transect 3

Marbled white	2
Small heath	1
Meadow brown	3
Burnet moth	6

Transect 4

Meadow brown	13
Marbled white	5
Small heath	5
Ringlet	1
Blue damselfly	2 (see 2/6/06)

Other notes – common centaury, Lucerne, lady's bedstraw, birdsfoot trefoil, large patch of restharrow.

Thursday 20th July – 1pm – too hot, sunny, 5% cloud, 26 degrees, breezy.

Transect 1

Small tortoiseshell	1
Large white	2
Red admiral	1
Ringlet	2
Gatekeeper	1
Marbled white	1
Comma	1

Transect 2

Marbled white	3
Ringlet	5
Common blue	3
Gatekeeper	4
Meadow brown	4
Large white	1
Small white	1
Small tortoiseshell	1
Burnet moth	4

Transect 3

Small white	2
Meadow brown	3
Common blue	1
Burnet moth	12

Transect 4

Gatekeeper	4
Small tortoiseshell	1
Common blue	2
Ringlet	3
Large white	1
Small white	3
Marbled white	3

Other notes – wild carrot, lady's bedstraw, loads of crickets/grasshoppers.

Wednesday 26th July – 4pm – hot, humid, 28 degrees, sunny, hazy cloud, very little air movement.

Transect 1

Comma	1
Large white	3
Ringlet	1
Gatekeeper	2
Marbled white	1

Transect 2

Large skipper	1
Meadow brown	13
Small white	6
Common blue	17
Gatekeeper	4
Burnet moth	10

Transect 3

Painted lady	2
Small white	2
Gatekeeper	1
Common blue	19
Meadow brown	9
Marbled white	1
Burnet moth	74
Silver Y	1

Transect 4

Small white	2
Gatekeeper	5
Marbled white	3
Meadow brown	4
Common blue	6

Butterfly records for Bishops Heaps 2008

NB – The Yellow land was cleared of encroaching scrub in various places during the winter. This has resulted in an increase in flowers and consequently more butterflies in that part of the transect.

Friday 4th April – 2.30pm – 13 degrees C, sun/cloud, breezy, 80% cloud (in the sky)

Yellow land

Small tortoiseshell	2

Along and up hill

None

Along top and down

Peacock	1

Scrub

Peacock	2

Flowers of note

Cowslips in bud, dog violets.

Tuesday 15th April – 2pm – 11 degrees C, sunny, windy, 40% cloud (in the sky)

Yellow land

Brimstone	1

Tuesday 22nd April – 2pm – 14 degrees C, sunny, slight breeze, 40% cloud (in the sky)

Yellow land

Orange tip	1
Brimstone	1 male, 1 female
Tortoiseshell	1
Peacock	2

Along and up hill

Brimstone	1

Across top and down

None

Scrub

Holly blue	1
Peacock	1
Comma	2

Things of note

Cuckoo, cowslips

Monday 12th May – 1.30pm – sunny, 22 degrees C, hot, breezy, 50% hazy cloud

Yellow land

Common blue	2
Small white	1
Speckled wood	1
Orange tip	1

Across and up hill

Dingy skipper	7
Burnet companion	1
Small blue	6
Brimstone	1 male, 1 female

Along top and down

Much windier!

Colourless damselfly

Scrub

Peacock	1

Things of note

Common vetch, hawthorn blossom, kidney vetch just starting, cowslips going over, 3 patches of wild strawberry.

Tuesday 20 May – 2.15pm – 17 degrees C, sun/cloud, cool wind, 50% cloud (in the sky)

Yellow land

Peacock	1
Common blue	3
Dingy skipper	1

Across and up hill

Dingy skipper	2
Common blue	5
Small blue	23 (including one pair mating)
Small copper	1
Green hairstreak	1

Along top and down

Common blue	2
Lattice heath	1
Brimstone	1 female
Small heath	1
Small white	1

Scrub

None

Things of note
Salad burnet, green carpet, treble bar.

Thursday 29th May – 2.30pm – 22 degrees C, sun/cloud, slight breeze, 90% cloud, sun in

Yellow land

Common blue	4
Brimstone	1
Burnet companion	1
Small blue	1

Across and up hill

Common blue	32
Brimstone	1
Small blue	8 including one pair mating
Small white	1
Small heath	1

Along top and down – clouded right over (storm clouds)

Common blue	44
Small heath	1

Scrub

Green hairstreak	2
Small blue	3
Common blue	1

Things of note
Kidney vetch, dog roses, common vetch, salad burnet, birdsfoot trefoil.

Monday 9th June – 2pm – hot, sunny, 23 degrees C, gentle wind rustling trees, odd cloud, 100% sun

Yellow land

Brimstone	2
Green veined white	1
Speckled wood	1
Small blue	1
Common blue	2

Across and up hill

Common blue	7
Small heath	6
Small blue	8 including one pair mating
Green hairstreak	1

Along top and down

Small heath	3

Common blue	13

Scrub

Common blue	7
Small heath	3
Small blue	2

Things of note

Ox-eye daisies, kidney vetch, hop trefoil, dog roses, fairy flax, common spotted orchid, quaking grass, birdsfoot trefoil, goatsbeard, blue damselfly, pale damselflies, broad bodied chaser.

Friday 20th June – 2.30pm – 16 degrees C, sun/cloud, wind rustling in trees.

Yellow land

Common blue	3
Small heath	1

Across and up hill

Common blue	3
Meadow brown	4
Marbled white	3

Across top and down

Ringlet	1
Meadow brown	3
Common blue	4

Scrub

Small heath	2
Marbled white	1

Things of note

Pale damselflies, common spotted orchids, bee orchid, quaking grass, blue damselflies, ox-eyes going over, salad burnet, birdsfoot trefoil, yellowort, fairy flax, creeping cinquefoil, lady's bedstraw, another wild strawberry patch, scarlet pimpernel, eyebright, yellow stonecrop.

Monday 30th June – 2.30pm – 20 degrees C, sunny, breezy (rustling trees), 75% sun/25%cloud.

Yellow land

Marbled white	4
Ringlet	5
Meadow Brown	5
Small skipper	6

Across and up hill

Ringlet	3
Small Heath	3

Common blue	1
Small skipper	5
Meadow brown	21
Marbled white	29
Burnet moth	4

Along top and down

Small heath	1
Meadow brown	24
Burnet moth	6
Marbled white	9
Common blue	1
Ringlet	3

Scrub

Common blue	1
Meadow brown	4
Small heath	1
Ringlet	4
Marbled white	6
Small skipper	1

Things of note

Mellilot, common centuary, marjoram, lady's bedstraw, yellowort, common spotted orchid, fairy flax, birdsfoot trefoil, robins pincushion, creeping cinquefoil. Blue damselfly, eyebright.

Thursday 10th July – 2pm – 19 degrees C, wind rustling the trees, sun and cloud, 80% cloud/20% sun.

Yellow land

Gatekeeper	1
Marbled white	5
Meadow brown	6
Ringlet	2
Small skipper	4
Large white	3

Across and up hill

Small heath	1
Marbled white	28
Large white	1
Meadow brown	31
Burnet moth	8
Ringlet	1

Along top and down

Burnet moth	31
Small skipper	1
Marbled white	15
Meadow brown	18
Small heath	1

Scrub

Meadow brown	2
Ringlet	2
Marbled white	4
Small skipper	1

Things of note

Lady's bedstraw, mellilot, eyebright, marjoram, restharrow, centaury, Lucerne, birdsfoot trefoil, yellowort, knapweed, st.john's wort.

Monday 21st July – 2.15pm – warm and sunny, 23 degrees C, wind in trees, 90% sun/10%cloud.

Yellow land

Gatekeeper	15
Meadow brown	17
Ringlet	1
Large skipper	6
Burnet moth	20
Marbled white	3

Across and up hill

Ringlet	4
Small white	2
Marbled white	3
Burnet moth	118
Meadow brown	19
Gatekeeper	2
Large skipper	4
Small skipper	2
Common blue	1

Along top and down

Gatekeeper	4
Burnet moth	33
Meadow brown	11
Large white	3
Marbled white	5
Small heath	2

Scrub

Gatekeeper	3
Meadow brown	3
Large white	1
Ringlet	4
Small heath	1

Things of note

Marjoram with lots of butterflies and other insects, mellilot, knapweed, lady's bedstraw.

Monday 28th July – 2.45pm – hot but overcast, 25 degrees C, slight breeze (moving tops of trees), 5% sun/95%cloud.

Yellow land

Speckled wood	3
Gatekeeper	8
Large skipper	1
Small skipper	1
Meadow brown	3
Ringlet	1
Burnet moth	48
Common blue	1
Marbled white	2
Large white	1

Along and up hill

Meadow brown	7
Large skipper	2
Small skipper	1
Burnet moth	375
Gatekeeper	8
Common blue	10
Marbled white	3
Small blue	1

Across top and down

Meadow brown	10
Gatekeeper	4
Burnet moth	140 (lots of mating activity)
Large skipper	3
Marbled white	2
Common blue	4

Scrub

Gatekeeper	26

Meadow brown	5
Burnet moth	16
Green veined white	2
Large white	3
Marbled white	3
Common blue	1
Ringlet	2

Things of note

Lots of papery, pale pupas (burnet moth?), gentians, round leaved fluellen – patch 1m squared near strawberries.

Thursday 7th August – 12.30pm – warm and sunny, 18degrees C, no wind, 90% sun/ 10%cloud.

Yellow land

Large white	2
Ringlet	1
Gatekeeper	6
Small skipper	3
Burnet moth	138
Meadow brown	3
Common blue	1
Red Admiral	1

Along and up hill

Meadow brown	10
Burnet moth	255
Gatekeeper	14
Large white	6
Common blue	14
Peacock	1
Comma	1
Small heath	1
Small white	1

Along top and down

Gatekeeper	19
Small white	2
Burnet moth	260+
Meadow brown	9
Common blue	14
Large white	2
Small heath	1

Scrub

Gatekeeper	6
Common blue	6
Burnet moth	120
Meadow brown	2

Things of note

Greater knapweed, wild carrot, gentians, carline thistle, cinnabar moth caterpillars on ragwort, fleabane, scarlet pimpernel, eyebright.

Friday 15th August – 1pm – warm and sunny, 20 degrees C, trees just about moving, 90% sun/10%cloud.

Yellow land

Large white	1
Meadow brown	5
Burnet moth	52
Gatekeeper	1
Common blue	1
Small white	3
Speckled white	3

Along and up hill

Gatekeeper	12
Common blue	11
Burnet moth	190
Small white	5
Meadow brown	7
Small heath	1
Large white	3
Brown argus	1

Across top and down

Gatekeeper	5
Meadow brown	3
Brown argus	4
Small white	4
Common blue	11
Burnet moth	116
Small copper	1

Scrub

Common blue	5
Small heath	2
Meadow brown	1
Peacock	1

Gatekeeper	3
Burnet moth	15

Things of note

Cinnabar moth caterpillars, gentians, wild carrot, lots of different bees on knapweed at base of hill, carline thistles.

Thursday 28th August – 2.30pm – cloudy, warm, 19 degrees C, wind just moving trees, 90% cloud/10%sun.

Yellow land

Small white	1
Common blue	4
Gatekeeper	1
Small heath	2
Burnet moth	2
Speckled wood	1

Along and up hill

Common blue	20
Burnet moth	21
Small heath	6
Brown argus	1
Meadow brown	13
Large white	4
Silver Y	1
Gatekeeper	1

Across top and down

Common blue	9 (including a pair mating)
Burnet moth	47
Gatekeeper	4
Large white	1
Brown argus	1
Meadow brown	1
Small white	1
Small heath	1

Scrub

Small heath	2
Meadow brown	3
Gatekeeper	1
Common blue	1

Things of note

Wild carrot, eyebright, ragwort,

Butterfly records for Bishops Heaps 2009

Tuesday 14th April 1.30pm
17 degrees C, sunny (100%), light cloud, very slight breeze.
Yellow land

Brimstone	5
Peacock	1
Speckled Wood	1

(ground ivy, violets, cowslips)
Across bottom and up hill

Brimstone	2

(cowslips)
Along top and down (breezier)

Peacock	1

(cowslips, primroses)
Scrub

Peacock	6
Comma	1
Speckled Wood	1
Brimstone	1
Orange Tip	1

Tuesday 21st April 2pm
18 degrees C, sunny, slight breeze, wispy cloud
Yellow land

Speckled Wood	1
Peacock	3
Brimstone	2
Large White	2

Along and up hill

Orange tip	1

(cowslips)
Along top and down

Large White	1

Scrub

Peacock	1
Large white	1

On way back at the entrance – 2 house martins

Sunday 26th April 12.10-12.40
15 degrees C, wind 3 (beaufort), sun 60% of time

Yellow land
Speckled wood 1
Along bottom and up hill
Green veined white 1
Large white 1
Speckled wood 3
Grizzled skipper 1
Green hairstreak 5
Along top and down
None
Scrub
Green veined white 1
Brimstone 1
Speckled wood 2
Mike did this walk as I was away. He also found 7 grizzled skipper elsewhere.

Away on holiday until 15th May.

Tuesday 19th May 2.30pm
15 degrees C, sun 15% of time, wind 4,
Yellow land
Small white 1
Small blue 2
Common blue 1
(common vetch, green luminous beetle)
Along and up hill (clouded over totally)
Small heath 1
Common blue 1 + 1 female (quite different but couldn't identify it as anything else
Large white 1
Across top and down (thunder and heavy rain)
None
Scrub
None

Friday 22nd May 11.30am
Yellow land
6 small blues (2 mating) on left hand cleared area by fork in path (on mellilot)
4 small blues at far end of straight path on left hand side
1 small blue at far end at back of yellow land area

Monday 25th May 4pm
18 degrees C, cloudy 100%, wind 1
Yellow land
Small blue 8
Burnet companion 4
Common blue 8
Along and up hill
Small blue 19
Common blue 10
Small white 1
Burnet moth caterpillar 2
Carpet moth 1
Large white 1
Along top and down
Common blue 22
Carpet moth ? 5
Burnet moth caterpillar 2 on birdsfoot trefoil
Damselflies with a blue tail 6
Scrub
None

Monday 1st June 3.30pm
22 degrees C, sun 100%, clear skies, wind 2
Yellow land
Small white 2
Small blues 9
Common blues 5
Painted lady 1
(kidney vetch 22, dog roses)
Along bottom and up hill
Small heath 4
Small blues 7
Common blue 2
Large skipper 3
Burnet moth caterpillar 1
(kidney vetch 100+)
Along top and down
Small heath 7
Green hairstreak 1
Common blue 7
Dingy skipper 1

Grizzled skipper 1
Large white 1
Burnet moth caterpillar 2
(common spotted orchid)
Scrub
Peacock 1
Common blue 1
Small heath 1
Small blue 2 (near to yellow land)
Brimstone (male) 1
(kidney vetch 30+)

Tuesday 9th June 3pm
15 degrees C, dull, cloud 100%, wind 2
Yellow land
Common blue 2
Along and up hill
Small heath 2
Dingy skipper 1 (roosting)
(ox eye daisy, salad burnet, dog rose, kidney vetch)
Along top and down
None
(ragged robin, strawberries in fruit)
Scrub
none

Tuesday 16th June 2pm
22 degrees C, sun 90%, cloud 10%, wind 2
Yellow land
Common blue 1
Marbled white 1
Cinnabar moth caterpillar 1
(meadow vetchling, fairy flax, ox eye daisy, hop trefoil, kidney vetch, common spotted orchid)
Along bottom and up hill
Common blue 2
Small blue 1
Painted lady 1
Meadow brown 4
Marbled white 1
Cinnabar moth caterpillar 3

(quaking grass, birdsfoot trefoil)
First and only cuckoo
Along top and down
Common blue 2
(scarlet pimpernel, creeping cinquefoil, strawberries fruiting)
Scrub
Burnet companion 1

Tuesday 23rd June 2.30pm
23 degree C, sun 50%, cloud 50%, warm and sunny, wind 2
Yellow land
Common blue 1
Meadow brown 2
Speckled wood 3
Marbled white 5
Large skipper 2 (mating)
Brimstone 1 (male)
Blue damselfly 1
(mellilot, hop trefoil, fairy flax, ox eye daisy, kidney vetch, birdsfoot trefoil, common spotted orchid)
Along bottom and up hil
Meadow brown 11
Marbled white 12
Small heath 3
Burnet moth (6 spot) 4
(creeping cinquefoil, kidney vetch)
Along top and down
Meadow brown 6
Common blue 1
Small heath 3
Burnet moth caterpillars 27
Burnet moth pupa 3
(salad burnet, creeping cinquefoil, birdsfoot trefoil, common centaury, common spotted orchids)
Scrub
Brimstone 3 (male)
Meadow brown 1
Small heath 1
(common spotted orchids)
Monday 29th June 2.15pm
25 degrees C, hot and sultry, sun 75%, cloud 25%, wind 2

Yellow land

Marbled white	5
Ringlet	5
Large skipper	5
Meadow brown	1

(mellilot, ladies bedstraw, common centaury, restharrow, kidney vetch – going over)

Along bottom and up hill

Small heath	3
Marbled white	6
Ringlet	1
Meadow brown	8
Burnet moth (6 spot)	7

(kidney vetch – going over, fairy flax, creeping cinquefoil, hop trefoil, birdsfoot trefoil)

Along top and down

Meadow brown	5
Small white	1
Ringlet	1
Small heath	1
Burnet moth	2

(common centaury, birdsfoot trefoil, creeping cinquefoil, eyebright)

Scrub

Meadow brown	8
Brimstone	1+1
Ringlet	6
Tortoiseshell	1

Tuesday 7th July 2.30pm

18 degrees C, sun 10%, dark cloud 90%, wind 4

Yellow land

Ringlet	7
Small skipper	10
Marbled white	15
Six spot burnet	2
Small white	2
Brimstone	1 (f)
Meadow Brown	3
Small heath	1

NB lots of butterflies in scallop on right on the way back.

(mellilot, common centuary, yellowort, ragwort, wild marjoram, ladies bedstraw)

Along and up

Ringlet	3
Marbled white	9
Meadow brown	8
Six spot burnet	7
Small heath	1
Small skipper	1

(birdsfoot trefoil, eyebright, yellow vetchling, st. johns wort, knapweed

Along top and down

Meadow brown	6
Ringlet	2
Marbled white	4
Small skipper	2

(creeping cinquefoil, ladies bedstraw, common centuary, eyebright, mallow, rosebay willowherb, buzzard)

Scrub

Meadow brown	3
Green veined white	1
Marbled white	2

Wednesday 15th July 1.45pm

21 degrees C, sun 50%, cloud 50%, wind 4, few spots of rain

Yellow land

Brimstone	4 (2 of each)
Gatekeeper	10
Meadow brown	4
Small white	3
Ringlet	2
Large white	1
Silver Y	1
6 spot burnet	2
Green veined white	1
Common blue	1
Small skipper	5

(wild parsnip, wild carrot, marjoram, mellilot, restharrow, common centuary, yellowort, ragwort, ladies bedstraw)

Along and up

6 spot burnets	17
Large white	2
Ringlet	3
Small blue	1 (f) on kidney vetch – a bit late I thought!

Meadow brown 1
(kidney vetch – new flowers, hoary plantain, knapweed, cinnabar moth caterpillar)
Along top and down
Meadow brown 10
6 spot burnet 22
Large white 3
Small white 2
Common blue 1
Gatekeeper 2
Ringlet 1
(rosebay willowherb, wild basil, ladies bedstraw, eyebright, common centuary, perf st johns wort, creeping cinquefoil, birdsfoot trefoil)
Scrub
Meadow brown 3
Small white 3
Gatekeeper 1

Tuesday 28th July 12.30pm
20 degrees C, sun 25%, cloud 75%, wind 4
Yellow land
Meadow brown 1
Comma 1
Small white 3
Large white 8
Speckled wood 6
Brimstone 2(f)
Gatekeeper 9
Common blue 7
Painted lady 1
Small skipper 1
6 spot burnet 5
(knapweed, red clover, wild carrot, wild parsnip, tufted vetch, carline thistle, marjoram)
Along and up
Gatekeeper 3
Painted lady 8
Common blue 5
Meadow brown 4 (1 very tatty!)
Large white 9
6 spot burnet 36

Ringlet	1
Brimstone	2(f)
Small white	2

(2 cinnabar moth caterpillars on ragwort)

Along top and down

6 spot burnet	44
Large white	10
Meadow brown	6
Peacock	1
Common blue	9
Small white	3
Small skipper	1
Gatekeeper	1
Painted lady	1

(gentians, eyebright, fleabane)

Scrub

Common blue	2
6 spot burnet	1
Gatekeeper	7
Speckled wood	1
Small white	1
Meadow brown	2
Large white	1

(st johns wort, eyebright, ragwort)

Tuesday 11th August 2.30pm

23 degrees C, sun 95%, cloud 5%, wind 2

Yellow land

Gatekeeper	12
Common blue	12
Large white	3
Painted lady	1
Clouded yellow	1
Small white	1
Speckled wood	1
6 spot burnet	3
Emperor d/fly	1

(knapweed, eyebright, wild parsnip)

Along and up

Common blue	19
Gatekeeper	8

Small white	6
Large white	7 (pair mating)
6 spot burnet	19
Small heath	2
Brimstone	1(f)
Tortoiseshell	1
Painted lady	12
Peacock	1
Green veined white	1

<u>Along top and down</u>

6 spot burnet	55
Large white	8
Common blue	25
Gatekeeper	4
Cinnabar moth	1
Small white	13
Painted lady	7
Green veined white	1
Silver Y	1
Small heath	2
Brown argus	2
Carpet moth	7 (?)

Hundreds of bees on knapweed
(carline thistle, fleabane, yellowort, wild basil, eyebright, knapweed)

<u>Scrub</u>

Green veined white	2
Common blue	9
Small heath	1
Gatekeeper	4
Large white	1
Brimstone	1 (M)
Small white	1

August 24th – 7th September away on holiday.

<u>Friday 11th September 3.15pm</u>
19 degrees C, sun 100%, wind 1

<u>Yellow land</u>

Comma	1

(yarrow, autumn hawkbit)

Along and up

Small heath	2
Common blue (knapweed)	1

Along top and down (windier 3)

Small heath	1

Scrub

Speckled wood	1
Common blue	1
Emperor d/fly (carline thistle)	1

Other sightings

15th March – comma, brimstone (Yellow land)
18th March – comma, brimstone (my field)
4th April – 2 brimstones (F) (my garden)
4th April – brimstone (M), 4 orangetips (my field)
19th April – speckled wood (Yellow land)
19th April – brimstone (F) (garden)
25th May – painted lady (garden)
1st June – painted lady, small white (my field)
23rd June – painted lady, speckled wood (garden)
29th September – red admiral (up road from my house)
18th October – tortoiseshell (garden)