

Addingham Environment Group



Bumblebee and Butterfly Observations – 2020 Interim Summary Report 1st April – 31st July

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1. Introduction

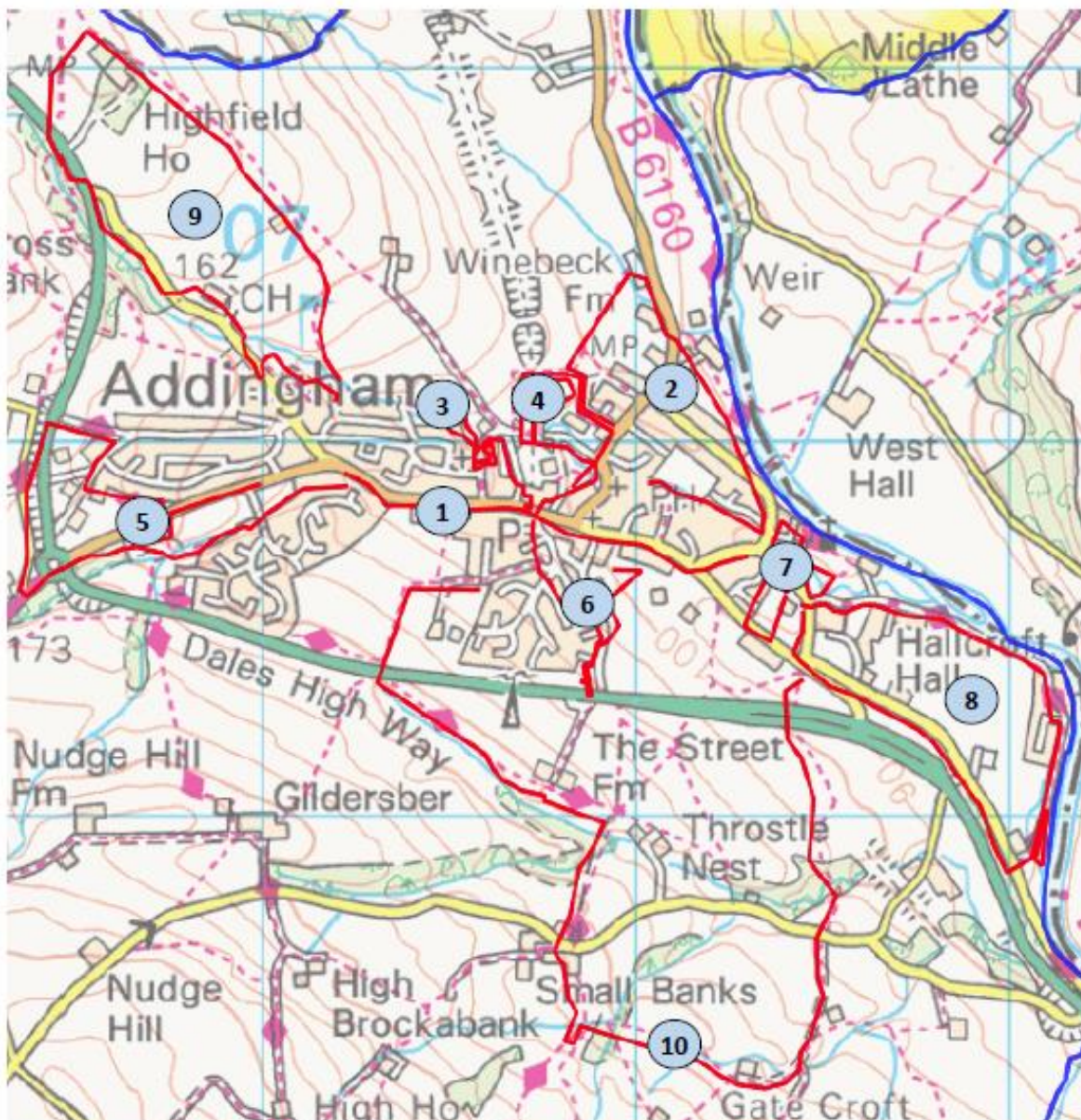
This year our season started on 1st April, and this is an interim summary report for observations made during April, May, June, and July.

2. The transects



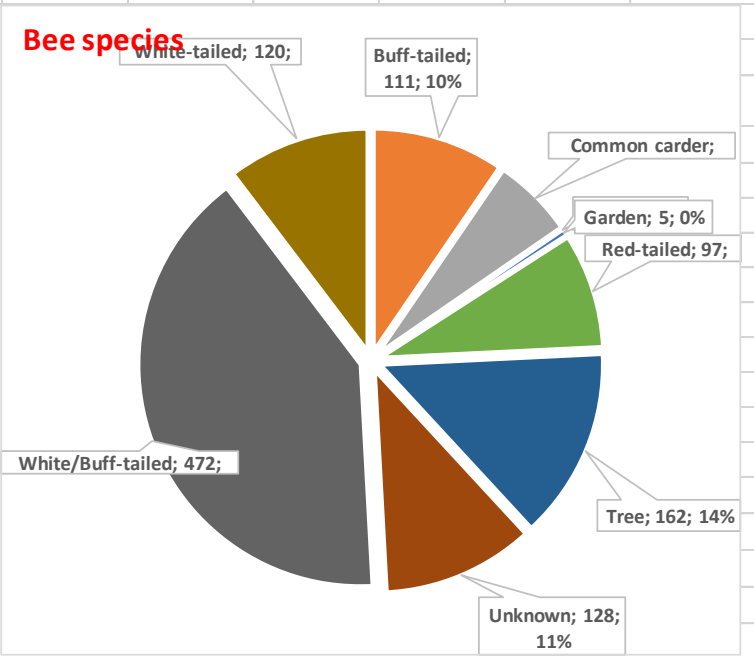
Bees and Butterflies All Transects

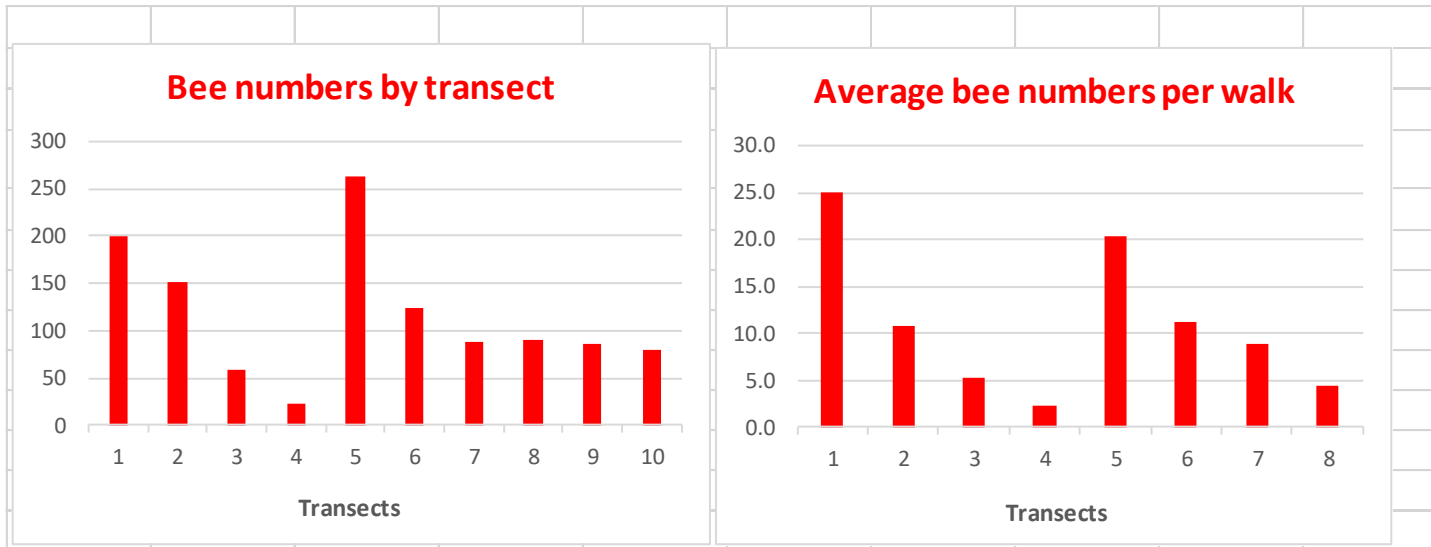
- | | |
|---|---|
| T1 : Main Street & Garden Friends (Pam Wells) | T6 : Old Station Way (Jessica Penrose) |
| T2 : Sidebeck (Julia Tomlinson) | T7 : Hoffman Wood (Margaret Longden) |
| T3 : Old First School (Peter Miller) | T8 : Low Mill (Mark Penny) |
| T4 : Garth and School (Claire Godden) | T9 : Skipton Road Wildflower Site and Golf Club (Maire O'Donnell) |
| T5 : Marchup (Mick Dunne) | T10 : The Street and Stegg Hole (Sara Arrowsmith) |



3. Bees – April to July

Overall analysis		TRANSECTS										
		1	2	3	4	5	6	7	8	9	10	
Numbers and species observed												
Bees	Species	BY TRANSECTS										
	Totals	1	2	3	4	5	6	7	8	9	10	
	Blaeberry											
	Buff-tailed	111	1	9	12	1	10	4		14	18	42
	Common carder	68		2	8	12	31	6		8	1	
	Early	1					1					
	Garden	5	5									
	Red-tailed	97	13	38		2	24	10	2			8
	Tree	162	75	24	3		22	19	12	7		
	Unknown	128	15	1	2		18	1	24	2	41	24
	White/Buff-tailed	472	91	76	32	1	126	46	49	22	23	6
	White-tailed	120		2	2	6	33	36	1	38	2	
Total	1164	200	152	59	22	264	123	88	91	85	80	
Transect walks	124	8	14	11	10	13	11	10	21	14	12	
Average per walk		25.0	10.9	5.4	2.2	20.3	11.2	8.8	4.3	6.1	6.7	





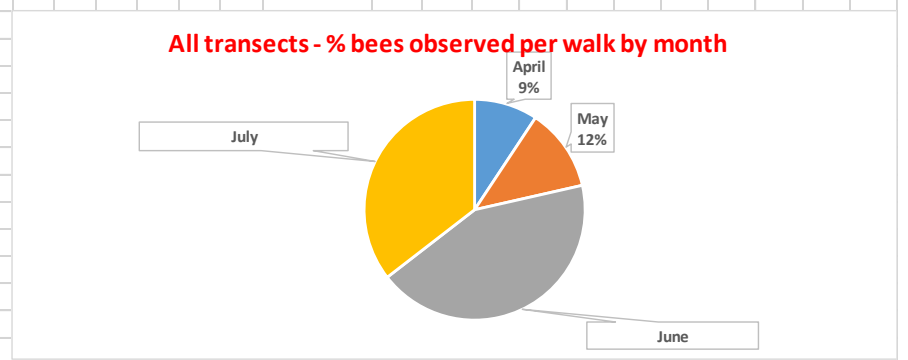
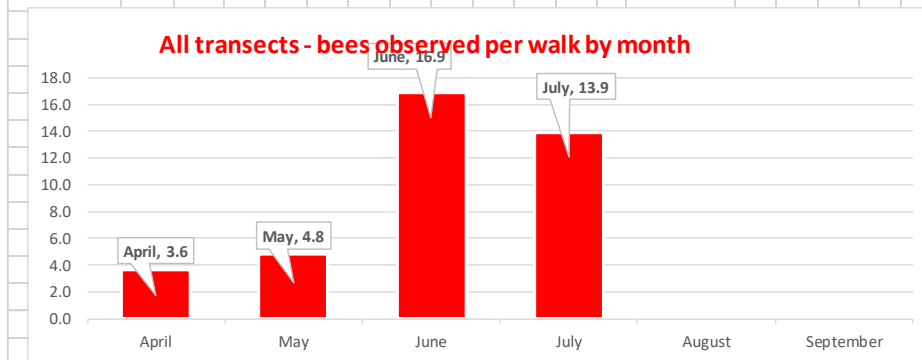
Observations by month

Bees

Observed	BY TRANSECTS										
	1	2	3	4	5	6	7	8	9	10	
April	135	14	22	5	5	15	13	3	23	6	29
May	143	30	5	9	12	54	15	2	2	8	6
June	524	141	49	23	5	123	36	83	26	12	26
July	362	15	76	22		72	59		40	59	19
August											
September											
Totals	1164	200	152	59	22	264	123	88	91	85	80

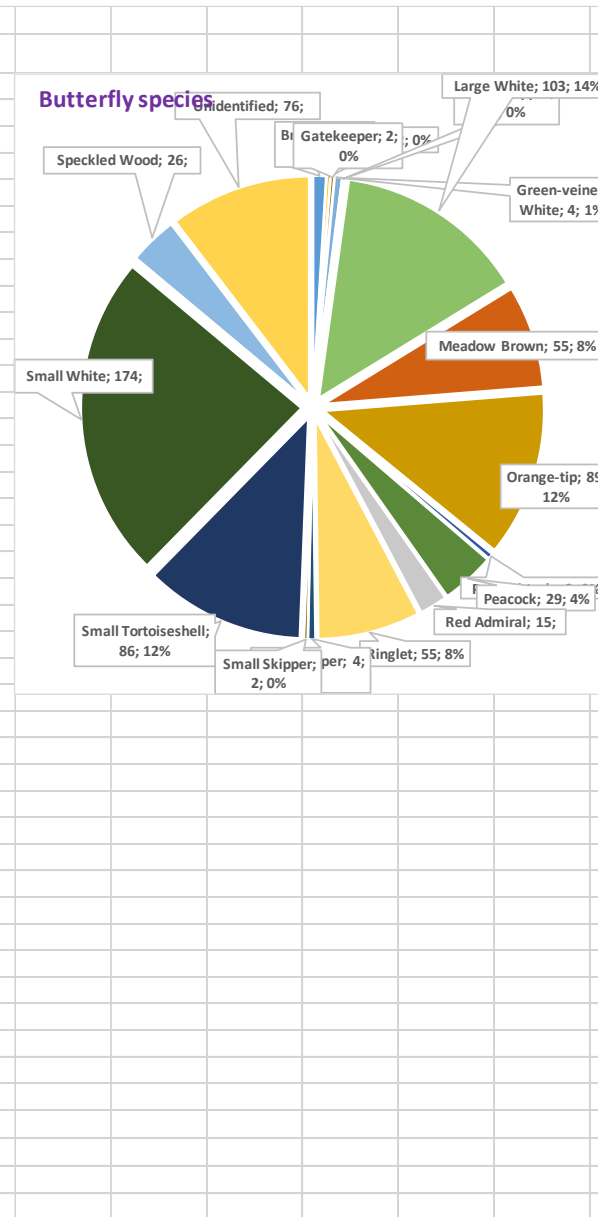
Walks	BY TRANSECTS										
	1	2	3	4	5	6	7	8	9	10	
April	37	2	3	3	3	2	4	4	9	3	4
May	30	3	2	3	3	3	3	3	3	4	3
June	31	2	7	3	2	3	2	3	3	3	3
July	26	1	2	2	2	5	2		6	4	2
August											
September											
Totals	124	8	14	11	10	13	11	10	21	14	12

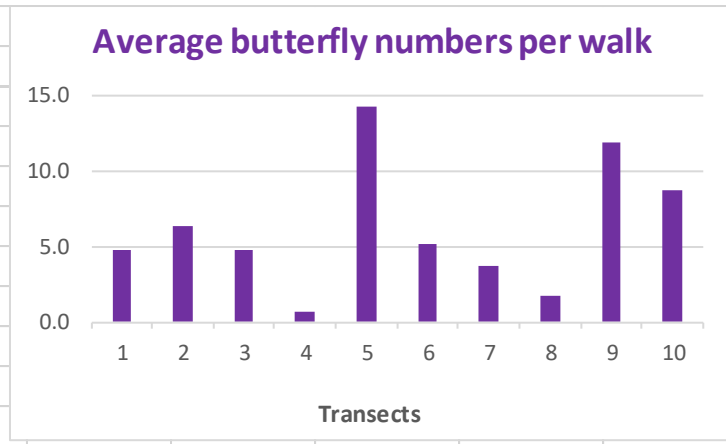
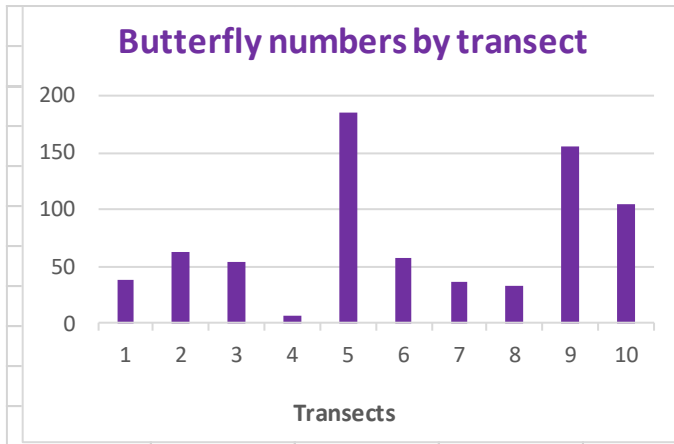
Observed per walk	BY TRANSECTS										
	1	2	3	4	5	6	7	8	9	10	
April	3.6	7	7.3	1.7	1.7	7.5	3.3	0.8	2.6	2	7.3
May	4.8	10	2.5	3	4	18	5	0.7	0.7	2	2
June	16.9	71	7	7.7	2.5	41	18	28	8.7	4	8.7
July	13.9	15	38	11		14	30		6.7	15	9.5
August											
September											
Totals	9.4	25	11	5.4	2.2	20	11	8.8	4.3	6.1	6.7



4. Butterflies – April to July

Butterflies	Species	BY TRANSECTS									
	Totals	1	2	3	4	5	6	7	8	9	10
Brimstone	7					5	2				
Brown Argus											
Clouded Yellow											
Comma	2	1							1		
Common Blue											
Dark Green Fritillary											
Dingy Skipper											
Duke of Burgundy											
Essex Skipper											
Gatekeeper	2									2	
Grayling											
Green Hairstreak											
Green-veined White	4					3			1		
Grizzled Skipper											
Holly Blue											
Large Heath											
Large Skipper	1		1								
Large White	103	3	10	1		56	6	2	8	12	5
Marbled White											
Meadow Brown	55		17	10		3	1			20	4
Northern Brown Argus											
Orange-tip	89	8	20	7	1	14		4	10	17	8
Painted Lady	3									3	
Peacock	29	1	2	1	2	10	5	3	1	3	1
Pearl-bordered Fritillary											
Purple Hairstreak											
Red Admiral	15	1	2	1		1	2			1	7
Ringlet	55		1	17		8	5		4	8	12
Scotch Argus											
Silver-washed Fritillary											
Small Copper	4				2				1		1
Small Heath											
Small Pearl-bordered Fritillary											
Small Skipper	2		1	1							
Small Tortoiseshell	86	6	7	6	1	15	12	3	4	15	17
Small White	174	18	1	9	1	53	17	22	3	33	17
Speckled Wood	26		1			5			1	3	16
Wall											
White-letter Hairstreak											
Unidentified	76					12	7	2		38	17
Total	733	38	63	53	7	185	57	37	33	155	105
Transect walks	117	8	10	11	10	13	11	10	19	13	12
Average per walk		4.8	6.3	4.8	0.7	14.2	5.2	3.7	1.7	11.9	8.8





Butterflies	BY TRANSECTS										Walks	BY TRANSECTS										Observed per walk	BY TRANSECTS										
	Observed	1	2	3	4	5	6	7	8	9		10	1	2	3	4	5	6	7	8	9		10	1	2	3	4	5	6	7	8	9	10
April	126	7	14	10	4	10	14	18	12	17	20	37	2	3	3	3	2	4	4	9	3	4	3.4	3.5	4.7	3.3	1.3	5	3.5	4.5	1.3	5.7	5
May	216	15	16	7	2	90	20	12	7	26	21	30	3	2	3	3	3	3	3	3	4	3	7.2	5	8	2.3	0.7	30	6.7	4	2.3	6.5	7
June	136	4	23	6	1	16	7	7	2	19	51	25	2	3	3	2	3	2	3	2	2	3	5.4	2	7.7	2	0.5	5.3	3.5	2.3	1	9.5	17
July	255	12	10	30		69	16		12	93	13	25	1	2	2	2	5	2		5	4	2	10.2	12	5	15		14	8		2.4	23	6.5
August																																	
September																																	
October																																	
Totals	733	38	63	53	7	185	57	37	33	155	105	117	8	10	11	10	13	11	10	19	13	12	6.3	4.8	6.3	4.8	0.7	14	5.2	3.7	1.7	12	8.8

