

Key to Highland Bibionids

This key addresses only the species known to occur in Highland.

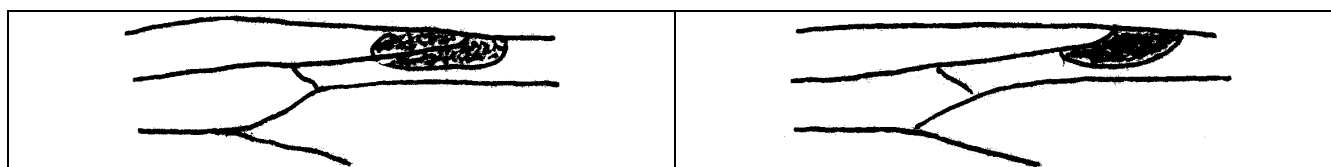
*Requires detailed examination to separate or confirm species. Use Freeman, P. & Lane, R. 1985. *Scatopsidae and Bibionidae*. Handbooks for the identification of British insects, 9 (7). Royal Entomological Society, London.

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|---|--|---|
| 1 | Front tibia with a circlet of small spines (see diagram).
Front tibia with a pair of large spurs | <i>Dilophus</i> 2
<i>Bibio</i> 3 |
| 2 | Legs all black in both sexes; female wings dark with pale tips.
Smaller than <i>febrilis</i> ; females with legs partly reddish and wings pale.
Best identified from females. | <i>Dilophus febrilis</i>

<i>Dilophus femoratus</i> , <i>D. humeralis</i> * |
| 3 | Body >10mm long.
Smaller species. | 4
5 |
| 4 | Spring flying, legs all black.
Late summer flying, legs partly red. | St Mark's Fly <i>Bibio marci</i>
Heather Fly <i>Bibio pomonae</i> |
| 5 | Autumn flying.
Earlier species. | 6
7 |
| 6 | Stigma extending well into costal cell (see diagram); females all black.
Stigma ends on the vein; females all reddish. | <i>Bibio lepidus</i>
<i>Bibio clavipes</i> |
| 7 | Wings of male milky-white, of female blackish; front tibial spurs of almost equal length.
Wings of male white or yellowish, but transparent; tibial spurs markedly unequal in length. | <i>Bibio leucopterus</i>
8 |
| 8 | Legs all black.
Legs partly reddish. | <i>Bibio ferruginatus</i> *
Six other <i>Bibio</i> spp.* |



Front tibia of *Bibio* (L) and *Dilophus*.



Stigma of *Bibio lepidus* (L) and *B. clavipes*.

	A	M	J	J	A	S	O
<i>Dilophus</i>	<i>febrilis</i>	<i>febrilis</i> , <i>femoratus</i>	<i>febrilis</i> , <i>femoratus</i> , <i>humeralis</i>		<i>febrilis</i>	<i>febrilis</i>	
<i>Bibio</i>	<i>marci</i> , <i>lanigerus</i> , <i>johannis</i> , <i>varipes</i>	<i>marci</i> , <i>varipes</i> , <i>lanigerus</i> , <i>leucopterus</i> , <i>nigriventris</i>	<i>marci</i> , <i>ferruginatus</i> , <i>lanigerus</i> , <i>nigriventris</i> .	<i>pomonae</i>	<i>pomonae</i>	<i>clavipes</i> , <i>lepidus</i>	<i>clavipes</i> , <i>lepidus</i>

Flight periods of Bibionids in N Scotland.