

## BBS Southern Group Meeting Report

### Crockford Bridge and Upper Crockford Bottom 27 October 2019

#### Highlights

*Campyliadelphus elodes* (NS, CR), last seen here in 2010 by Des Callaghan was found in three places, including the recently managed marl pit on the east side of the road. There are about four other sites in Hampshire, but recent records at only two of these, both in VC11.

Large quantities of tuberous Bryums were present on pony-grazed damp acid grassland on the west side of the road, north of the stream. The consensus was that these comprised *B. subapiculatum* and *B. bornholmense* (CS), both being new for SZ39.

Jonathan Sleath noted that he had previously recorded *Philonotis calcarea* (CR) from the pond on the east side of the road. This had not been recorded at Crockford Bridge previously and is known only from about six other localities in the county (five in VC11).

A good selection of other mosses of calcareous flushes was recorded, including *Scorpidium cossonii*, *S. scorpioides*, *Palustriella falcata* and *Sphagnum contortum* (all CS).

Also of interest were records of several calicole liverworts and mosses on the calcareous clay around the ponds, including *Leiocolea turbinata*, *Campyliadelphus chrysophyllus*, *Ditrichum gracile* and *Fissidens dubius*. This is the only known site in the New Forest for the first of these; the others are locally common, particularly on old airfield sites.

Another good find was *Climacium dendroides* (CS) in the turf by the car park.

Also new for the 10km square (SZ39) were: *Aulacomnium androgynum*, *Cryphaea heteromalla*, *Didymodon vinealis*, *Orthotrichum striatum*, *Sphagnum fallax*, *Straminergon stramineum*, *Trichodon cylindricus* and *Ulota crispula*.

#### Records

Taxon	Grid ref	Habitat	Substrate	Comments
<i>Amblystegium serpens</i>	SZ349991	acid grassland	tree stump	
<i>Aneura pinguis</i>	SZ348991	bog & wet heath		
<i>Archidium alternifolium</i>	SZ350988	marl pit		
<i>Archidium alternifolium</i>	SZ347992	dry heath		
<i>Atrichum undulatum</i>	SZ350988	marl pit		
<i>Aulacomnium androgynum</i>	SZ349991	marl pit & acid grassland		
<i>Aulacomnium palustre</i>	SZ348991	bog & wet heath		
<i>Barbula convoluta</i> s.str.	SZ3499			
<i>Barbula unguiculata</i>	SZ350988	marl pit		
<i>Bryum alpinum</i>	SZ349991	wet heath & grassland		
<i>Bryum argenteum</i>	SZ348991	wet heath & grassland		LA on patches of bare ground.
<i>Bryum bornholmense</i>	SZ349991	wet heath & grassland		Probably LA on disturbed wet grassland by stream, though may have been mixed with <i>B. subapiculatum</i> .
<i>Bryum capillare</i>	SZ3499			
<i>Bryum dichotomum</i>	SZ348991	wet heath & grassland		

Taxon	Grid ref	Habitat	Substrate	Comments
<i>Bryum pseudotriquetrum</i> s.l.	SZ350988	marl pit		
<i>Bryum radiculosum</i>	SZ349992	marl pit & calcareous grassland		
<i>Bryum subapiculatum</i>	SZ349991	acid grassland		With <i>B. bornholmense</i> .
<i>Calliergonella cuspidata</i>	SZ350988	marl pit		
<i>Calypogeia arguta</i>	SZ351989	marl pit		
<i>Calypogeia fissa</i>	SZ348991	bog & wet heath		
<i>Campyliadelphus chrysophyllus</i>	SZ349992	marl pit & calcareous grassland		
<i>Campyliadelphus elodes</i>	SZ35089890	marl pit		
<i>Campyliadelphus elodes</i>	SZ34889913	wet heath & grassland		Edge of pond (approx grid ref).
<i>Campyliadelphus elodes</i>	SZ349992	marl pit		
<i>Campylium stellatum</i> s.str.	SZ350988	marl pit		Frequent.
<i>Campylium stellatum</i> s.str.	SZ348991	bog & wet heath		
<i>Campylopus introflexus</i>	SZ350988	marl pit		
<i>Campylopus pyriformis</i>	SZ348992	wet heath & grassland		
<i>Cephalozia connivens</i>	SZ348991	bog & wet heath		
<i>Cephaloziella divaricata</i>	SZ348992	bog & wet heath		
<i>Ceratodon purpureus</i>	SZ349991	wet heath & grassland		
<i>Climacium dendroides</i>	SZ349988	wet heath & grassland		A few shoots in grassland next to car park.
<i>Cololejeunea minutissima</i>	SZ350988	marl pit	on willow	
<i>Cololejeunea minutissima</i>	SZ349991	marl pit & acid grassland		
<i>Cratoneuron filicinum</i>	SZ350988	marl pit		
<i>Cryphaea heteromalla</i>	SZ351989	marl pit		
<i>Ctenidium molluscum</i>	SZ350988	marl pit		
<i>Ctenidium molluscum</i>	SZ349992	marl pit & calcareous grassland		
<i>Dicranella heteromalla</i>	SZ3499			
<i>Dicranella varia</i>	SZ350988	marl pit		
<i>Dicranella varia</i>	SZ349992	marl pit & calcareous grassland		
<i>Dicranoweisia cirrata</i>	SZ349998	wet heath & grassland	dead wood (log)	
<i>Dicranum bonjeanii</i>	SZ348992	bog & wet heath		
<i>Dicranum scoparium</i>	SZ350988	marl pit		
<i>Dicranum scoparium</i>	SZ347992	dry heath		
<i>Didymodon fallax</i>	SZ349992	marl pit & calcareous grassland		
<i>Didymodon vinealis</i>	SZ349992	marl pit		
<i>Ditrichum gracile</i>	SZ349992	marl pit & calcareous grassland		
<i>Ephemerum minutissimum</i>	SZ349991	acid grassland		
<i>Eurhynchium striatum</i>	SZ350988	marl pit		
<i>Fissidens adianthoides</i>	SZ350988	marl pit		
<i>Fissidens bryoides</i> s.str.	SZ349991	stream bank		
<i>Fissidens dubius</i>	SZ350988	marl pit		
<i>Fissidens taxifolius</i> var. <i>taxifolius</i>	SZ350988	marl pit		
<i>Fossombronina</i>	SZ348992	wet heath & grassland		
<i>Frullania dilatata</i>	SZ350988	marl pit	on willow	
<i>Frullania tamarisci</i>	SZ350988	marl pit		Small patch in turf.

Taxon	Grid ref	Habitat	Substrate	Comments
<i>Funaria hygrometrica</i>	SZ348991	wet heath & grassland		
<i>Hypnum andoi</i>	SZ350988	marl pit	on willow	
<i>Hypnum cupressiforme</i> var. <i>cupressiforme</i>	SZ351989	marl pit		
<i>Hypnum cupressiforme</i> var. <i>lacunosum</i>	SZ350988	marl pit		
<i>Hypnum cupressiforme</i> var. <i>resupinatum</i>	SZ349991	acid grassland	on willow	
<i>Hypnum jutlandicum</i>	SZ347992	dry heath		
<i>Isoetecium myosuroides</i>	SZ350988	marl pit	tree bases	
<i>Kindbergia praelonga</i>	SZ350988	marl pit		
<i>Kurzia pauciflora</i>	SZ348991	bog & wet heath		
<i>Leiocolea turbinata</i>	SZ350988	marl pit & calcareous grassland		
<i>Leiocolea turbinata</i>	SZ349992	marl pit & calcareous grassland		
<i>Leucobryum glaucum</i>	SZ350988	marl pit		
<i>Lophocolea bidentata</i>	SZ348991	wet heath & grassland		
<i>Metzgeria furcata</i>	SZ351989	marl pit		
<i>Mnium hornum</i>	SZ350988	marl pit		
<i>Odontoschisma sphagni</i>	SZ348991	bog & wet heath		
<i>Orthotrichum affine</i>	SZ350988	marl pit	on willow	
<i>Orthotrichum lyellii</i>	SZ351989	marl pit		
<i>Orthotrichum pulchellum</i>	SZ350988	marl pit	on willow	
<i>Orthotrichum striatum</i>	SZ350988	marl pit	on willow	
<i>Oxyrrhynchium hians</i>	SZ350988	marl pit		
<i>Palustriella falcata</i>	SZ350988	marl pit		
<i>Pellia endiviifolia</i>	SZ350988	marl pit		
<i>Philonotis fontana</i>	SZ349988	wet heath & grassland		
<i>Polytrichastrum formosum</i>	SZ350988	marl pit		
<i>Polytrichum commune</i> var. <i>commune</i>	SZ348991	bog & wet heath		
<i>Polytrichum juniperinum</i>	SZ349991	acid grassland		
<i>Polytrichum piliferum</i>	SZ349991	wet heath & grassland		
<i>Pseudoscleropodium purum</i>	SZ350988	marl pit		
<i>Radula complanata</i>	SZ350988	marl pit	on willow	
<i>Riccardia multifida</i>	SZ348991	bog & wet heath		
<i>Sarmentypnum exannulatum</i>	SZ348991	bog & wet heath		
<i>Scapania irrigua</i>	SZ349988	wet heath & grassland		
<i>Scorpidium cossonii</i>	SZ350988	marl pit		
<i>Scorpidium revolvens</i>	SZ348991	bog & wet heath		
<i>Scorpidium scorpioides</i>	SZ350988	marl pit		
<i>Scorpidium scorpioides</i>	SZ348991	bog & wet heath		
<i>Sphagnum capillifolium</i> subsp. <i>rubellum</i>	SZ348991	bog & wet heath		
<i>Sphagnum compactum</i>	SZ348991	bog & wet heath		
<i>Sphagnum contortum</i>	SZ348992	bog & wet heath		Several scattered small patches, e.g. SZ 3482 9920.
<i>Sphagnum cuspidatum</i>	SZ348991	bog & wet heath		
<i>Sphagnum denticulatum</i>	SZ348991	bog & wet heath		
<i>Sphagnum fallax</i>	SZ348991	bog & wet heath		
<i>Sphagnum inundatum</i>	SZ348991	bog & wet heath		
<i>Sphagnum palustre</i>	SZ348991	bog & wet heath		
<i>Sphagnum papillosum</i>	SZ349988	wet heath & grassland		

Taxon	Grid ref	Habitat	Substrate	Comments
Sphagnum subnitens	SZ350988	marl pit		
Sphagnum subnitens	SZ348991	bog & wet heath		
Splachnum ampullaceum	SZ348991	bog & wet heath		several colonies on quite recent pony dung
Straminergon stramineum	SZ348991	bog & wet heath		
Thuidium delicatulum	SZ349988	wet heath & grassland		
Thuidium tamariscinum	SZ350988	marl pit		
Tortula truncata	SZ349991	acid grassland		
Trichodon cylindricus	SZ3499			
Trichostomum crispulum	SZ350988	marl pit		
Trichostomum crispulum	SZ349992	marl pit & calcareous grassland		
Ulota bruchii	SZ350988	marl pit	on willow	
Ulota crispula	SZ351988	marl pit		
Ulota phyllantha	SZ350988	marl pit	on willow	
Zygodon conoideus	SZ350988	marl pit	on willow	

### Species list and status

Taxon	Group	Hampshire rarity	GB Red List	GB Rarity
Aneura pinguis	L			
Calyptogeia arguta	L			
Calyptogeia fissa	L			
Cephalozia connivens	L			
Cephaloziella divaricata	L			
Cololejeunea minutissima	L			
Fossombronina	L			
Frullania dilatata	L			
Frullania tamarisci	L			
Kurzia pauciflora	L			
Leiocolea turbinata	L			
Lophocolea bidentata	L			
Metzgeria furcata	L			
Odontoschisma sphagni	L			
Pellia endiviifolia	L			
Radula complanata	L			
Riccardia multifida	L			
Scapania irrigua	L			
Amblystegium serpens	M			
Archidium alternifolium	M			
Atrichum undulatum	M			
Aulacomnium androgynum	M			
Aulacomnium palustre	M			
Barbula convoluta s.str.	M			
Barbula unguiculata	M			
Bryum alpinum	M			
Bryum argenteum	M			
Bryum bornholmense	M	CS		
Bryum capillare	M			
Bryum dichotomum	M			

Taxon	Group	Hampshire rarity	GB Red List	GB Rarity
Bryum pseudotriquetrum s.l.	M			
Bryum radiculosum	M			
Bryum subapiculatum	M			
Calliergonella cuspidata	M			
Campyliadelphus chrysophyllus	M			
Campyliadelphus elodes	M	CR		NS
Campylium stellatum s.str.	M			
Campylopus introflexus	M			
Campylopus pyriformis	M			
Ceratodon purpureus	M			
Climacium dendroides	M	CS		
Cratoneuron filicinum	M			
Cryphaea heteromalla	M			
Ctenidium molluscum	M			
Dicranella heteromalla	M			
Dicranella varia	M			
Dicranoweisia cirrata	M			
Dicranum bonjeanii	M			
Dicranum scoparium	M			
Didymodon fallax	M			
Didymodon vinealis	M			
Ditrichum gracile	M			
Ephemerum minutissimum	M			
Eurhynchium striatum	M			
Fissidens adianthoides	M			
Fissidens bryoides s.str.	M			
Fissidens dubius	M			
Fissidens taxifolius var. taxifolius	M			
Funaria hygrometrica	M			
Hypnum andoi	M			
Hypnum cupressiforme var. cupressiforme	M			
Hypnum cupressiforme var. lacunosum	M			
Hypnum cupressiforme var. resupinatum	M			
Hypnum jutlandicum	M			
Isothecium myosuroides	M			
Kindbergia praelonga	M			
Leucobryum glaucum	M			
Mnium hornum	M			
Orthotrichum affine	M			
Orthotrichum lyellii	M			
Orthotrichum pulchellum	M			
Orthotrichum striatum	M			
Oxyrrhynchium hians	M			
Palustriella falcata	M	CS		
Philonotis fontana	M			
Polytrichastrum formosum	M			
Polytrichum commune var. commune	M			

Taxon	Group	Hampshire rarity	GB Red List	GB Rarity
<i>Polytrichum juniperinum</i>	M			
<i>Polytrichum piliferum</i>	M			
<i>Pseudoscleropodium purum</i>	M			
<i>Sarmentypnum exannulatum</i>	M			
<i>Scorpidium cossonii</i>	M	CS		
<i>Scorpidium revolvens</i>	M			
<i>Scorpidium scorpioides</i>	M	CS		
<i>Sphagnum capillifolium</i> subsp. <i>rubellum</i>	M			
<i>Sphagnum compactum</i>	M			
<i>Sphagnum contortum</i>	M	CS		
<i>Sphagnum cuspidatum</i>	M			
<i>Sphagnum denticulatum</i>	M			
<i>Sphagnum fallax</i>	M			
<i>Sphagnum inundatum</i>	M			
<i>Sphagnum palustre</i>	M			
<i>Sphagnum papillosum</i>	M			
<i>Sphagnum subnitens</i>	M			
<i>Splachnum ampullaceum</i>	M	CS		
<i>Straminergon stramineum</i>	M	CS		
<i>Thuidium tamariscinum</i>	M			
<i>Tortula truncata</i>	M			
<i>Trichodon cylindricus</i>	M			
<i>Trichostomum crispulum</i>	M			
<i>Ulota bruchii</i>	M			
<i>Ulota crispula</i>	M			
<i>Ulota phyllantha</i>	M			
<i>Zygodon conoideus</i>	M			

CR = county rare; CS = county scarce (provisional classification)  
NS = nationally scarce

### Totals

Liverworts	18
Mosses	86
Total taxa	104
CR	1
CS	8
NS	1