

Dragonflies of the Highlands

Naturetrek Tour Report

28th June – 3rd July 2022



Azure Hawker by Martin Roberts



Northern Damselfly by Martin Roberts



Brilliant Emerald by Martin Roberts



Northern Emerald by Matt Eade

Tour report by Matt Eade



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Tour participants – Matt Eade (tour leader) with seven Naturetrek clients.

Summary

This was the inaugural tour to the Highlands where Odonata was the key focus. Of course, this area has much to offer to the wildlife enthusiast, as along the way we encountered not only a fantastic diversity of Odonata, we also saw several rare orchids (Small White and Coralroot Orchid especially), a few good butterflies and just shy of 100 species of bird. Mammals also shone with a few Otter and cetacean sightings on the west coast.

However, it was the Odonata which stole the show. The rarest and most anticipated species of the trip, the Azure Hawker, showed superbly and over the course of two afternoons when the weather was fine, at least six different hawkers were found. Add to this the ease of finding White-faced Darters, Northern Emeralds, Brilliant Emeralds and Northern Damselflies, this was nothing short of a very successful trip!

Day 1

Tuesday 28th June

With Matt's flight having been cancelled from down south, the proposed group walk on the first afternoon sadly didn't materialise. However, the well positioned hotel in Aviemore meant that most members of the group were able to head out to the nearby Craigallachie Reserve, only a five minute's walk from the hotel. Some good sightings were had, especially a few Northern Damselflies which is one of the top targets in the Cairngorms!

In the early evening, Matt arrived and the group enjoyed a pre-dinner drink discussing the plan for the days ahead and the various targets that everyone had in mind. We then headed through to the restaurant for one of many monstrous dinners we had on the trip.

Day 2

Wednesday 29th June

Craigallachie, Loch Garten, Uath Lochan

A pre-breakfast walk to the nearby deciduous woodland reserve of Craigallachie proved a worthy start to the day. Only three of the group joined Matt, but during the two hours a number of birds were heard with the most noteworthy being two calling Wood Warblers, while thankfully seen were two Ospreys and an adult female Pied Flycatcher feeding a recently fledged juvenile. A number of botanical highlights were noted with many Heath Spotted and fewer Northern Marsh Orchids, as well as Round-leaved and Chickweed Wintergreen. Hundreds of toadlets were also on the paths which ran parallel to a lake.

After a hefty breakfast, we left the hotel and drove northwards towards Loch Garten, stopping at 'Flowerfields' for an orchid bonanza. Four species were present, with the rarest of the lot being many Small White Orchids; Lesser Butterfly Orchids were particularly numerous here, while Heath Fragrant and Northern Marsh Orchids were in lower numbers.

The sun was starting to emerge, therefore, we rushed north to a site for White-faced Darter, very near to Loch Garten. We arrived just as the sun crept behind a large cloud, but with patience, we were soon enjoying the classic Caledonian warmth and sure enough, we found no fewer than three White-faced Darters, all eventually

showing nicely for us. Many Large Red Damselflies were present and included a pair in tandem with the male snagged in a Sundew. A Northern Emerald dragonfly tracked past us on two occasions and a Tree Pipit and a few Common Crossbills also flew over. What a brilliant start to our Odonata holiday!

Next up was a lochan which is the favoured haunt for the Northern Damselfly – another regional speciality. Despite being cloudy and cooler, we again quickly found our quarry, and an hour here saw us finding at least a dozen individuals with all allowing superb photographic opportunities. Two Small Pearl-bordered Fritillary butterflies were also rather docile in the cooler conditions. Also present here was a smart Emerald Damselfly (Common Spreadwing), a couple of Blue-tailed and many Large Red Damselflies.

On our way to lunch, an emergency stop brought us nice views of a Golden-ringed Dragonfly which was patrolling the main road and we enjoyed several flypasts before it flew off out of view. Lunch was then had at the very nice café in Coylumbridge where a Hobby sped past being mobbed by Swallows, and a Siskin was also displaying overhead.

For our final excursion of the day, we headed south this time to Uath Lochan to enjoy the various trails, boardwalks, and acidic pools of this magical part of the Cairngorms. Odonata kicked off from the start with a brief view of a presumed Northern Emerald patrolling a sunlit path. Four-spotted Chasers then dominated the open areas, briefly being joined by some close-flying Northern Emeralds and two Golden-ringed Dragonflies. Common Blue Damselflies were also numerous here, settling mostly on the warm boardwalks, while a Small Pearl-bordered Fritillary and Red Admirals also flew through the area. Matt had a brief female Goshawk fly past, but on the return, the distinctive call of a Crested Tit was heard and after much neck-ache, two birds were seen well. Two ‘Scottish-accent’ Crossbills flew over too. To make the most of the excellent habitat, we walked back on ourselves but this was worth it for the Crested Tits, but also the surprise find of a colony of Creeping Lady’s Tresses which hadn’t yet reached their flowering stage. It had cooled considerable, and with light rain starting to fall (how had we avoided it all day?), we decided to call it a day and head back to the hotel. Another large meal and several drinks later, we bid goodnight ready for a long day ahead tomorrow.

Day 3

Thursday 30th June

Aviemore to Carr Bridge; Loch Bran; Loch Maree; Gairloch

A damp, but productive pre-breakfast walk for a few of us along the River Spey was highlighted by a Red Squirrel which was acrobatically moving between branches affording good views. A Sand Martin colony, a redhead Goosander, an Osprey and several Treecreepers were also very much worth the 6am start.

We left the hotel in Aviemore, quickly stocked up at Tesco on food and drink and made our way towards the outskirts of Grantown on Spey to a Red Squirrel feeding station. Two were present upon arrival and a third also came down to feed. With the temperature slowly rising making Odonata a possibility for the day, we made our way over to Loch Bran (relatively close to Loch Ness) via Carr Bridge for Coralroot Orchids and Slochd Summit where three Red Grouse were present.

It was about an hour’s drive to Loch Bran, but it was worth the effort despite being slightly off course. Upon arrival, despite the lack of sun, we soon found a teneral male Black Darter, three Common ‘Highland’ Darters

and several Common Blue Damselflies. Then, out of nowhere, along the shore edge a female Brilliant Emerald (our main target here) was ovipositing! The dragonfly continued on ovipositing in a very small area for several minutes allowing exceptional views of this tricky species, but it was a real pain to photograph, as like all emeralds, they rarely keep still.

A quick lunch stop back at the car heralded the clouds to disperse, warming the area up. We soon walked back out to the shore edge (only 50 metres) where several Brilliant Emeralds and a single Northern Emerald were present, albeit only showing themselves in flight. Four-spotted Chasers were also abundant and another Black Darter and an Emerald Damselfly were located. Several Ringlet butterflies were also on the wing.

After this brilliant success, we departed and headed for Loch Maree. It was a lengthy drive, which comprised driving alongside Loch Ness, through Inverness and eventually to the remoter main road bound for Gairloch.

When we arrived at Loch Maree, the area was warm having recently basked in glorious sunshine, so there was confidence (at least on Matt's part) that we would find our main quarry, but a quick scout on one of three main locations along the loch for Azure Hawkers failed to find any. Matt went into full roaming mode and dashed about the area, which proved exceptionally tricky to cross as the terrain is very unstable here. However, sure enough, a male Azure Hawker was located, and by the time the group had arrived, two males were present and both showed very well for all. This really was a fist-pumping moment – one of the hardest and most range-restricted species of Odonata in the UK had been seen! A Common Hawker also flew through, something that was unexpected on the trip due to its usually later emergence.

With beaming smiling faces all around and no injuries from the harsh terrain, we ambled back to the vehicles and admired the stunning scenery in this part of Scotland. It was now only a short drive to our beachfront hotel in Gairloch – the Myrtle Bank Hotel.

It had been an exceptional day with myriad highlights from the off and then ended with us having a drink on the hotel decking enjoying the spectacular calm conditions looking out towards Skye! A quick post-dinner walk along the beach produced a Greenshank, but what a day it had been and there was now a sense of relaxation as our main quarry had been seen, and seen well!

Day 4

Friday 1st July

Loch Maree

A pre-breakfast drive to Gairloch harbour was very much worth the early alarm clock as two Otters were seen here, and two Common Scoters, several Red-throated Divers and a few Harbour Porpoise were also seen.

With the day dawning cooler and cloudier than hoped, it was a slow start and there was little rush to leave the hotel. So, after a hefty breakfast, we departed and made our way back to Loch Maree to another location. Unfortunately, the conditions neither improved or got worse, therefore, Odonata were in short supply, but we did still encounter several Lesser Butterfly and Heath Spotted Orchids. A dragonfly nymph was a terrific find and was later thought to have been a Brilliant Emerald, but its true identity may need more time. A couple of Large Heath butterflies were also on the wing and three very distant Red Deer were spotted. We finally managed some damselflies in the cooler conditions with a couple of Large Red Damselflies making an appearance, and an

exuvia found by one of the group members was most likely an Azure Hawker. A thorough search at an existing site for Lesser Twayblade unfortunately drew a blank, but a 'baby' Palmate Newt was a lucky find.

We drove to a small café called 'Midge Bite' and then worked our way back to Loch Maree and to the Beinn Eighe area. This is the favoured site for Northern Emerald and the odd break in the cloud increased the temperature enough for two individuals to be seen, the first in flight only, but the second was an excellent spot, perched by the side of the path for perhaps a minute before heading off into the treetops allowing all to get a photograph. Northern Emeralds are the most likely emerald species to see settled, but even then it's a major task, so we were all very pleased with this find and it goes to show how important it is that everyone gets involved in the spotting, which worked wonders here.

With the weather still fine, it made sense to have one last go for the Azure Hawkers at the western end of the loch. From the car park, we enjoyed watching three summer-plumaged Black-throated Divers through the scope; we presumed two males and a female were involved. As we made our way to the cleared area, once again, our main quarry was there waiting for us. At least five Azure Hawkers were showing off their basking behaviour by laying their entire abdomen down against the bare cut trunks and allowed excellent photographic opportunities. What was even more amazing was a male Azure Hawker landed on a group member – a memory to cherish for sure – and signifying the importance of wearing light-coloured clothing when going in search of Azure Hawkers. It was certainly a pleasure to watch these range-restricted dragonflies within arm's reach and even better with no one else around. A Northern Emerald also showed impeccably, clinging on to a bush as the wind blew it around, but as it was just above head height, Matt bent the branch to bring it lower where it showed off its calliper-shaped anal appendages. A Common Hawker patrolling the treeline was the last surprise for the afternoon, or at least, Odonata wise, as returning to the car park we were amazed that one of the Black-throated Divers was just offshore – such stunning birds.

It was again smiles all around and we arrived back at our beautiful hotel with plenty of time yet again to enjoy a drink overlooking the wonderful bay. Another top day on this quite incredible tour.

Day 5

Saturday 2nd July

Gairloch area

Unfortunately, the forecast today was not good at all, at least, for the morning anyway. After a soggy pre-breakfast drive to search the harbour, and then, driving around to a couple of viewpoints, there wasn't a great deal on offer, although a distant pod of Short-beaked Common Dolphins showed for a short duration and were even seen leaping out of the water.

Over breakfast, an Otter caused a stir as one was fishing just offshore – it's always satisfying when the wildlife comes to you, especially when we were in the warm and dry. After breakfast, we drove to the northern tip of the peninsular for a cultural excursion at the Arctic Convoy Memorial at Rubha nan Sasan. It was a bleak place, but was littered in a variety of orchids, namely Lesser Butterfly, Heath Spotted and Northern Marsh Orchid. Offshore, Common Terns and Guillemots were viewed and we got some incredible views of Great Skuas as they passed close overhead.

With conditions seemingly not improving, it was best we reverted to the town of Poolewe for a spot of coffee. The chosen location was the unique Poolewe House Hotel, where paying guests have included Brad Pitt in the past. The coffee was just as welcome though as we immersed ourselves in the bizarre toilets, lounge and everything in-between.

After a hefty lunch back in Gairloch, the sun suddenly appeared and prospects of a damp afternoon were soon cast aside and we enjoyed a quite memorable afternoon skirting around to Red Point, to the south-west of Gairloch. We walked a glorious white sandy beach at Opinan, finding plenty of Moon Jellyfish and a couple of Dunlin. Our first Common Blues of the trip were here, and offshore, the slow meandering of a dorsal fin had us looking, albeit distantly, at a Basking Shark. Not uncommon in these waters, seeing a Basking Shark is in no means easy. Red-throated Divers and Red-breasted Mergansers were also just offshore. One of the top highlights here though were a family of Ringed Plover, with four unbelievably small chicks running along the beach after their parents. After this cuteness overload, we continued on to Red Point and scanned the mirror-like sea and found two small pods of Harbour Porpoise and admired the views down to the south end of Skye.

The day was still far from over so we headed to Flowerdale Waterfall close to Gairloch. The length of the walk only saw four of us arrive at the lower viewpoint, but the walk overall had us finding a delightful family of Spotted Flycatchers and of course the waterfall itself.

One group member stayed behind and inspected the rock pools from just off the hotel and found the following: Shore Crab, Butterfish, Shanny, Common Starfish, Risso's Crab, Hermit Crab and one Edible Crab.

It was back to the hotel in good time to enjoy, once again, a few beers on the terrace in glorious conditions.

Day 6

Sunday 3rd July

Gairloch; drive to Inverness

A brisk south-westerly wind today again meant that there was no immediate rush to go in search of any Odonata. A pre-breakfast drive to Rua Reidh Lighthouse was very much worth the half hour drive there and back. As well as the views, we also saw a Puffin, two Black Guillemots and a handful of Razorbills flying past. Several Rock Doves, Wheatears and Rock Pipits were also present. Two Red Deer showed well in one of the valleys along the drive.

Back for breakfast, we reluctantly departed this stunningly located hotel and commenced the drive back to Inverness. A toilet stop at Rogie Falls saw a Common Hawker fly over the car park and before ending the tour in Inverness, we walked Monadh Mor. Despite what felt like promising conditions and habitat, we only saw a Four-spotted Chaser for our troubles. An Osprey did show well however and was constantly calling too.

With onward journeys imminent, Matt dropped everyone back into Inverness (either at the train station or airport) and to end what was a very successful trip to the Scottish Highlands.

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Species lists

Odonata

Common Name	Scientific Name	June/July 2022					
		28	29	30	1	2	3
Azure Hawker	<i>Aeshna caerulea</i>			3	5		
Common Hawker	<i>Aeshna juncea</i>			1	2		
Emerald Damselfly	<i>Lestes sponsa</i>		1	2			
Northern Damselfly	<i>Coenagrion hastulatum</i>		12				
Common Blue Damselfly	<i>Enallagma cyathigerum</i>	Y	Y	Y			
Blue-tailed Damselfly	<i>Ischnura elegans</i>		2	Y			
Large Red Damselfly	<i>Pyrrhosoma nymphula</i>		Y	Y	Y		
Golden-ringed Dragonfly	<i>Cordulegaster boltonii</i>		3	3	Y		
Northern Emerald	<i>Somatochlora arctica</i>		3	1	3		
Brilliant Emerald	<i>Somatochlora metallica</i>			5			
White-faced Darter	<i>Leucorrhinia dubia</i>		3				
Four-spotted Chaser	<i>Libellula quadrimaculata</i>		Y	Y			Y
Black Darter	<i>Sympetrum danae</i>			2			
Common Darter	<i>Sympetrum striolatum</i>	1		3			

Birds (H = Heard only)

	Common name	Scientific name	June/July 2022					
			28	29	30	1	2	3
1	Greylag Goose	<i>Anser anser</i>				✓	✓	
2	Mute Swan	<i>Cygnus olor</i>			✓			
3	Mallard	<i>Anas platyrhynchos</i>		✓	✓	✓	✓	
4	Common Scoter	<i>Melanitta nigra</i>				2	2	
5	Common Eider	<i>Somateria mollissima</i>				✓		
6	Common Merganser	<i>Mergus merganser</i>			✓			
7	Red-breasted Merganser	<i>Mergus serrator</i>				✓	✓	
8	Red Grouse	<i>Lagopus lagopus scoticus</i>			3			

	Common name	Scientific name	June/July 2022					
			28	29	30	1	2	3
9	Common Pheasant	<i>Phasianus colchicus</i>			✓		✓	✓
10	Red-throated Diver	<i>Gavia stellata</i>				✓	✓	✓
11	Black-throated Diver	<i>Gavia arctica</i>				3		
12	Gannet	<i>Morus bassanus</i>			✓	✓	✓	✓
13	Little Grebe	<i>Tachybaptus ruficollis</i>		1				
14	Grey Heron	<i>Ardea cinerea</i>	✓	1	✓	✓	✓	
15	Great Cormorant	<i>Phalacrocorax carbo</i>				✓	✓	✓
16	Shag	<i>Gulosus aristotelis</i>				✓	✓	✓
17	Common Buzzard	<i>Buteo buteo</i>		1	✓	✓	✓	✓
18	Western Osprey	<i>Pandion haliaetus</i>		✓	✓			✓
19	Eurasian Oystercatcher	<i>Haematopus ostralegus</i>	✓	✓	✓	✓	✓	✓
20	Northern Lapwing	<i>Vanellus vanellus</i>			✓			
21	Eurasian Curlew	<i>Numenius arquata</i>			1	✓	✓	
22	Greenshank	<i>Tringa nebularia</i>			✓	✓		
23	Ringed Plover	<i>Charadrius hiaticula</i>			✓	✓	✓	
24	Common Sandpiper	<i>Actitis hypoleucos</i>			✓	✓		
25	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	✓	✓	✓	✓	✓	✓
26	Common Gull	<i>Larus canus</i>		✓	✓	✓	✓	
27	Great Black-backed Gull	<i>Larus marinus</i>			✓	✓		✓
28	European Herring Gull	<i>Larus argentatus</i>	✓	✓	✓	✓	✓	✓
29	Lesser Black-backed Gull	<i>Larus fuscus graellsii</i>					✓	
30	Kittiwake	<i>Rissa tridactyla</i>						✓
31	Black Guillemot	<i>Cephus grylle</i>						✓
32	Puffin	<i>Fratercula arctica</i>						✓
33	Common Guillemot	<i>Uria aalge</i>					✓	✓
34	Razorbill	<i>Alca torda</i>						✓
35	Rock Dove	<i>Columba livia</i>					✓	✓
36	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓	✓	✓
37	Eurasian Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	✓	✓	✓
38	Common Cuckoo	<i>Cuculus canorus</i>				H		
39	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓	✓			
40	Common Kestrel	<i>Falco tinnunculus</i>		✓				
41	Eurasian Hobby	<i>Falco subbuteo</i>		✓				
42	Common Swift	<i>Apus apus</i>	✓	✓	✓			✓
43	Western Jackdaw	<i>Coloeus monedula</i>	✓	✓	✓			
44	Rook	<i>Corvus frugilegus</i>	✓	✓	✓			✓
45	Carrion Crow	<i>Corvus corone</i>		✓	✓		✓	✓
46	Hooded Crow	<i>Corvus cornix</i>			✓	✓	✓	✓
47	Northern Raven	<i>Corvus corax</i>			✓	✓	✓	✓
48	Coal Tit	<i>Parus ater</i>	✓	✓	✓	✓		
49	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓			
50	Crested Tit	<i>Lophophanus cristatus</i>		3				
51	Great Tit	<i>Parus major</i>		✓	✓			
52	Eurasian Skylark	<i>Alauda arvensis</i>					✓	✓
53	Sand Martin	<i>Riparia riparia</i>			✓			✓
54	Barn Swallow	<i>Hirundo rustica</i>		✓	✓	✓	✓	✓

	Common name	Scientific name	June/July 2022					
			28	29	30	1	2	3
55	Common House Martin	<i>Delichon urbicum</i>		✓	✓	✓		✓
56	Long-tailed Tit	<i>Aegithalos caudatus</i>				✓		
57	Willow Warbler	<i>Phylloscopus trochilus</i>			✓	✓	✓	
58	Eurasian Blackcap	<i>Sylvia atricapilla</i>		✓				
59	Common Whitethroat	<i>Curruca communis</i>					✓	
60	Goldcrest	<i>Regulus regulus</i>		✓	✓			
61	Eurasian Wren	<i>Troglodytes troglodytes</i>		✓		✓	✓	✓
62	Eurasian Treecreeper	<i>Certhia familiaris</i>		✓	✓			
63	Common Starling	<i>Sturnus vulgaris</i>		✓	✓	✓	✓	✓
64	Common Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓	✓
65	Song Thrush	<i>Turdus philomelos</i>		✓	✓	✓	✓	✓
66	Mistle Thrush	<i>Turdus viscivorus</i>		✓	✓			
67	Spotted Flycatcher	<i>Muscicapa striata</i>		✓	✓	✓	✓	
68	Pied Flycatcher	<i>Ficedula hypoleuca</i>		✓				
69	European Robin	<i>Erithacus rubecula</i>		✓	✓	✓	✓	✓
70	European Stonechat	<i>Saxicola rubicola</i>			✓		✓	✓
71	Northern Wheatear	<i>Oenanthe oenanthe</i>					✓	✓
72	House Sparrow	<i>Passer domesticus</i>		✓	✓	✓	✓	✓
73	Dunnock	<i>Prunella modularis</i>					✓	✓
74	Pied Wagtail	<i>Motacilla alba yarrellii</i>			✓	✓	✓	✓
75	Meadow Pipit	<i>Anthus pratensis</i>				✓	✓	✓
76	Rock Pipit	<i>Anthus petrosus</i>						✓
77	Tree Pipit	<i>Anthus trivialis</i>		3				
78	Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓	✓	
79	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>			✓			
80	European Greenfinch	<i>Chloris chloris</i>		✓	✓	✓		✓
81	Common Linnet	<i>Linaria cannabina</i>						✓
82	Lesser Redpoll	<i>Acanthis flammea</i>				✓	✓	
83	Red Crossbill	<i>Loxia curvirostra</i>		✓		✓		
84	European Goldfinch	<i>Carduelis carduelis</i>			✓	✓	✓	✓
85	Eurasian Siskin	<i>Spinus spinus</i>		✓	✓	✓	✓	

Others

Common Name	Scientific Name	June/July 2022					
		28	29	30	1	2	3
Mammals							
River Otter	<i>Lutra lutra</i>				2	1	
European Rabbit	<i>Oryctolagus cuniculus</i>	✓	✓	✓			
Roe Deer	<i>Capreolus capreolus</i>			✓			
Red Deer	<i>Cervus elaphus</i>				2	✓	✓
Red Squirrel	<i>Sciurus vulgaris</i>			✓			
Grey Seal	<i>Halichoerus grypus</i>			1	✓	✓	
Harbour Porpoise	<i>Phocoena phocoena</i>				3	5	
Short-beaked Common Dolphin	<i>Delphinus delphis</i>					15	
Weasel	<i>Mustela nivalis</i>					1	

Common Name	Scientific Name	June/July 2022					
		28	29	30	1	2	3
Butterflies							
Large Heath	<i>Coenonympha tullia</i>				✓		
Large White	<i>Pieris brassicae</i>						✓
Small Pearl-bordered Fritillary	<i>Boloria selene</i>		3	1			
Meadow Brown	<i>Maniola jurtina</i>				✓		
Common Blue	<i>Polyommatus icarus</i>					✓	✓
Red Admiral	<i>Vanessa atalanta</i>		2	✓	✓		
Speckled Wood	<i>Pararge aegeria</i>		✓		✓	✓	✓
Ringlet	<i>Aphantopus hyperantus</i>			10	✓	✓	✓
Other Marine Species							
Basking Shark	<i>Cetorhinus maximus</i>					1	
Moon Jellyfish	<i>Aurelia aurita</i>			✓			
Orchids							
Heath Fragrant Orchid	<i>Gymnadenia borealis</i>		✓				
Heath Spotted Orchid	<i>Dactylorhiza maculata</i>		✓	✓	✓	✓	✓
Lesser Butterfly Orchid	<i>Platanthera bifolia</i>		✓	✓	✓	✓	
Small White Orchid	<i>Pseudorchis albida</i>		✓				
Coralroot Orchid	<i>Corallorhiza trifida</i>			✓			
Northern Marsh Orchid	<i>Dactylorhiza purpurella</i>	✓	✓	✓		✓	✓
Creeping Lady's Tresses	<i>Goodyera repens</i>		✓				
Northern Marsh x Heath Spotted			✓			✓	