

FAIRFIELD POND FAUNA SURVEYS 2021 to 2022

This report refers only to the surveys carried out by Peter Tilley and Hilary Smith and do not include the sampling as part of the Bioblitz or species incidentally found during pond survey training on 6th July 2022.

Shortly after the work on the ponds a brief survey was done in April 2021 (Results in Appendix). Following the work on the some of the ponds as part of the Lancashire Wildlife Trust Newt Project, it was decided to start surveying them on a more regular basis, to see how the fauna and flora develop.

The Flora Ponds were surveyed as part of the City Nature Challenge on May 1st2022, led by North Lancashire Wildlife Group. (No results available)

Hilary Smith, Peter Tilley and Oliver Fulton surveyed four ponds on 22nd September 2022

Results of 22.9.22 Survey

Flora Pond Newt, Willow Pond East in Lower Sowerholme , Anna’s Pool, and Sowerholme Marsh Pond were surveyed using nets, between 9.00 and 11.30 on a cool, cloudy day. Photographs were also taken to confirm identification later.

Species	Flora Pond (Newt)	Willow Pond East (L. Sowerho)	Anna’s Pool	Sowerholme Marsh (south)
Bloodworm				★
Common frog	★	★	★	★
Damselfly nymph				★
Dragonfly nymph		★		★
Freshwater hoglouse			★	★
Freshwater Shrimp	★		★	
Leech			★	
Lesser Water boatman	★	★		
Mayfly nymph	★	★	★	
Midge larva	★	★	★	
Pond Skater	★			
Pond snail	★			
Ramshorn snail			★	
Smooth newt juv.				★
Water flea		★	★	
Water mite	★			
Water beetle larva	★	★	★	
Water boatman		★		
Frogs	★	★	★	★

Photographs



Damselfly nymph



Freshwater Shrimp



Water Beetle nymph



Freshwater Hoglouse



Lesser Water Boatman



Smooth Newt juvenile



Dragonfly nymph

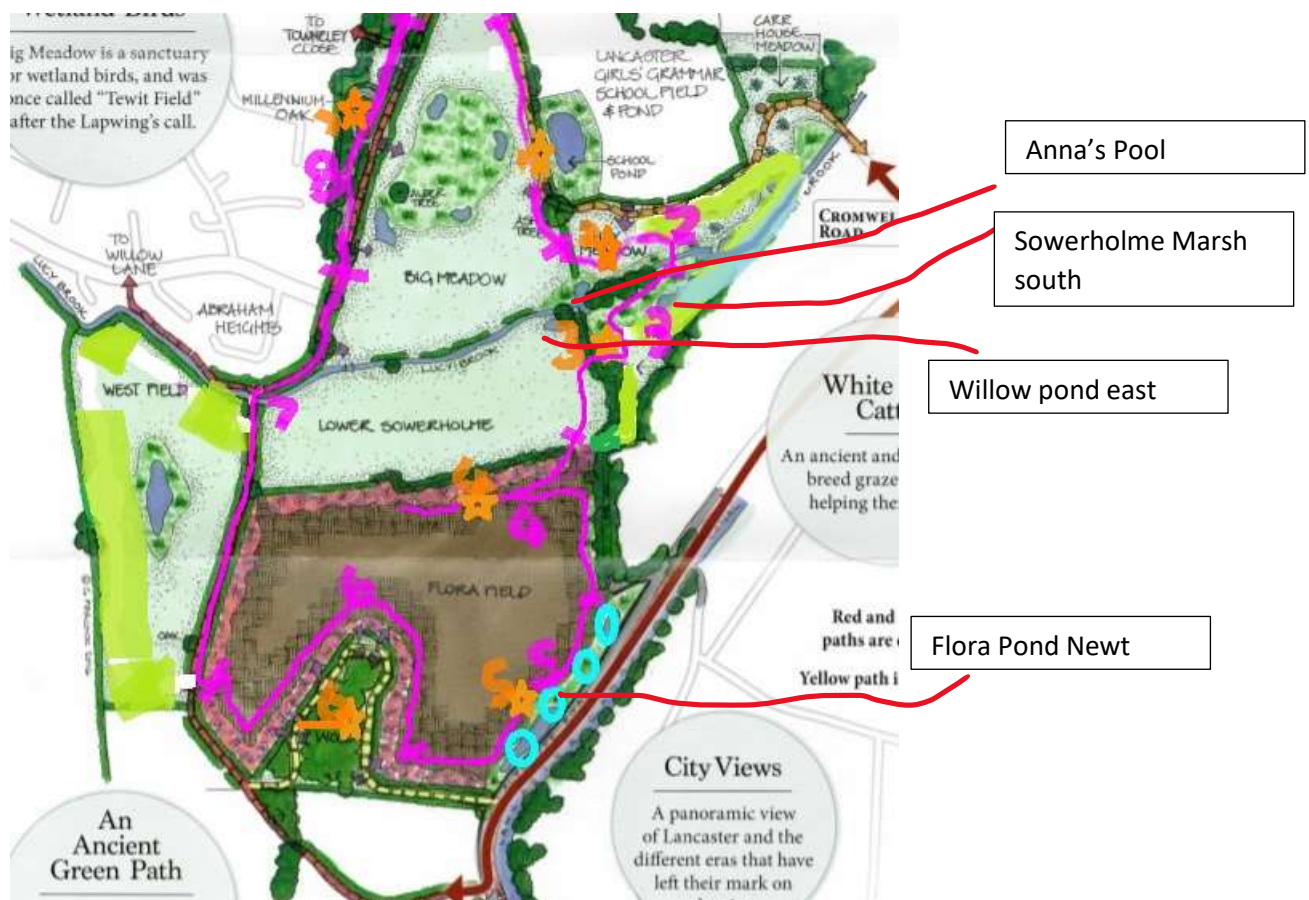


Water Beetle larva

Conclusion

Although this survey was a very small snapshot of the fauna of the ponds, late in the season it demonstrates that there is a good diversity of species in all the ponds, despite disturbance earlier in the year. This type of survey will be done of all ponds at least twice next year.

Map – ponds surveyed 22.9.22 arrowed in red ←



Species list from sampling April 18th 2021

Species list for Pond survey 18April 2021						
			Frequency is on ACFOR scale :- abundant; common; frequent; ocsional; rare			
Common name	Order	Binomial name	Flora pond new scrapes	Flora pond original	Anna's pond	Cromwell pond
Water flea	Cladocera	<i>Daphnia sp</i>	F	F	C	
Water flea	Copepoda	<i>Cyclops sp</i>	O	O	O	
Flatworms	Tricladida	<i>Planaria??</i>	F	O	O	
Leeches	Hirudinea				R	
Summer Mayfly nymph	Ephemeroptera	<i>Siphonotus lacustris</i>	C	C	F	C
Emperor Dragonfly nymph	Odonata	<i>Anax imperator</i>			R	
Water Measurer	Heteroptera	<i>Hydrometra stagnorum</i>			O	
Pond Skater	Heteroptera	<i>Gerris sp</i>				O
Lesser Water Boatman	Heteroptera	<i>Corixidae</i>	O	C	O	O
Water Boatman	Heteroptera	<i>Notonecta glauca</i>	R	R		
Midge larvae (bloodworm)	Diptera	<i>Chironomus sp</i>	F	F	F	
Midge larvae	Diptera	<i>Thaumalea ??</i>	C	F	F	
Great diving beetle larva	Dytiscidae	<i>Dytiscus marginalis</i>		R		
Wirlygig beetle	Gyrinidae	<i>Gyrinus natator</i>		R		
Water Hog-louse	Crustacean	<i>Asellus aquaticus</i>	C	C	O	
Freshwater shrimp	Amphipoda	<i>Gammarus sp</i>	O	O		
Great Pond snail	Lymnaeidae	<i>Lymnaea stagnalis</i>		O	O	
Ramshorn snails	Planorbidae	<i>Planorbis??</i>	R	O	O	
Common/Smooth newt	Amphibia	<i>Triturus vulgaris</i>		R	O	
Frog tadpole	Amphibia	<i>Rana temporaria</i>	R			
Other species recorded in areas						
Wolf spider	Lycosidae	<i>Pardosa pullata</i>	C	C	C	C
Bridge orbweb spider	Aranidae	<i>Larinooides scopetarius</i>			R	

