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Addendum to “Anticoagulant rodenticides in predatory birds 2010: a Predatory Bird Monitoring Scheme (PBMS) report

L.A. Walker, N. R. Llewellyn, M.G. Pereira, E.D. Potter, A.W. Sainsbury* &
R.F. Shore¹

Centre for Ecology & Hydrology, Lancaster Environment Centre, Library Avenue, Bailrigg,
Lancaster, LA1 4AP, UK

*Institute of Zoology, Zoological Society of London, Regents Park, London NW1 4RY, UK



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¹Corresponding author: RF Shore, Centre for Ecology and Hydrology, Lancaster Environment Centre, Library Avenue, Bailrigg, Lancaster, LA1 4AP, UK. E-mail: rfs@ceh.ac.uk. Website: <http://www.ceh.ac.uk/>

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Table 1. Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2010.									
Bird	Vice-County	Age	Sex	Concentration of rodenticide (µg/g wet wt.)					Other anticoagulant rodenticides detected
				SGARs					
				Difen	Brom	Brod	Floc	Difeth	
16422	East Suffolk	Juvenile	M	0.015	0.005	0.002	ND	ND	ND
16430	Warwickshire	Adult	M	0.002	0.003	ND	ND	ND	ND
16453	Denbighshire	Juvenile	M	0.075	0.002	0.002	ND	ND	ND
16464	East Inverness-shire	Adult	M	0.003	ND	ND	ND	ND	ND
16470	Moray (Elgin)	Juvenile	M	0.002	0.012	ND	ND	ND	ND
16480	East Sussex	Adult	M	0.008	0.010	ND	ND	ND	ND
16485	Lanarkshire	Adult	F	0.005	0.011	ND	ND	ND	ND
16488	West Gloucestershire	Juvenile	F	0.006	0.015	0.014	ND	ND	ND
16568	East Kent	Undetermined	M	ND	0.003	0.002	ND	ND	ND
16572	South Devon	Juvenile	F	0.042	0.003	0.003	ND	ND	ND
16574	Berkshire	Juvenile	F	ND	0.017	ND	ND	ND	ND
16585	North Wiltshire	Juvenile	F	0.004	0.003	0.003	ND	ND	ND
16586	Leicestershire & Rutland	Juvenile	M	ND	ND	ND	ND	ND	ND
16587	Huntingdonshire	Juvenile	U	0.006	0.005	ND	ND	ND	ND
16594	Surrey	Adult	F	0.007	0.013	0.002	ND	ND	ND
16599	Herefordshire	Adult	F	0.002	0.010	ND	ND	ND	ND
16600	West Gloucestershire	Adult	F	0.007	ND	0.002	ND	ND	ND
16608	S. Northumberland	Undetermined	F	0.010	0.002	0.231	ND	ND	ND
16609	N. Northumberland	Juvenile	M	ND	ND	0.003	ND	ND	ND
16610	N. Northumberland	Undetermined	M	0.020	0.007	0.006	ND	ND	ND
16612	N. Northumberland	Juvenile	M	0.090	0.092	0.004	ND	ND	ND
16618	Bedfordshire	Juvenile	F	ND	ND	ND	ND	ND	ND
16619	East Gloucestershire	Adult	F	0.002	ND	ND	ND	ND	ND
16633	North Lincolnshire	Adult	M	0.010	0.013	0.004	ND	ND	ND
16634	Bedfordshire	Adult	M	0.004	0.008	ND	ND	ND	ND
16642	Cumberland	Juvenile	M	ND	0.142	0.085	ND	ND	ND

ND = Non-Detected; Difen – difenacoum; Brom – bromadiolone; Brod – brodifacoum; Floc – flocoumafen; Difeth - difethiolone; Warf – warfarin; Coum – coumatetralyl; Chloro – chlorophacinone; Diph – diphacinone.

Table 1 continued. Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2010.									
Bird	Vice-County	Age	Sex	Concentration of rodenticide (µg/g wet wt.)					Other anticoagulant rodenticides detected
				SGARs					
				Difen	Brom	Brod	Floc	Difeth	
16648	Staffordshire	Adult	M	0.009	0.013	ND	ND	ND	ND
16650	Anglesey	Juvenile	F	ND	ND	ND	ND	ND	ND
16654	Anglesey	Undetermined	M	0.009	0.004	0.004	ND	ND	ND
16656	Cambridgeshire	Adult	M	0.005	0.006	ND	ND	ND	ND
16658	Cambridgeshire	Juvenile	U	0.005	0.021	0.001	ND	ND	ND
16669	Anglesey	Juvenile	M	ND	ND	ND	ND	ND	ND
16726	South Wiltshire	Juvenile	F	0.004	0.007	0.002	ND	ND	ND
16727	South Wiltshire	Juvenile	M	0.006	0.013	0.002	ND	ND	ND
16761	East Suffolk	Juvenile	F	ND	0.006	ND	ND	ND	ND
16763	South Wiltshire	Juvenile	F	ND	0.040	ND	ND	ND	ND
16769	Cambridgeshire	Juvenile	F	0.022	0.013	ND	ND	ND	ND
16779	Stirlingshire	Juvenile	M	ND	0.025	0.002	ND	ND	ND
16783	Northamptonshire	Adult	F	0.014	0.023	ND	ND	ND	ND
16786	South Wiltshire	Juvenile	F	ND	0.033	ND	ND	ND	ND
16788	Cardiganshire	Juvenile	M	0.005	ND	ND	ND	ND	ND
16793	South Wiltshire	Juvenile	M	0.023	ND	0.002	ND	ND	ND
16801	Buckinghamshire	Juvenile	F	ND	ND	ND	ND	ND	ND
16803	East Cornwall	Undetermined	Undetermined	0.009	0.007	ND	ND	ND	ND
16805	North Essex	Juvenile	M	0.017	0.004	ND	ND	ND	ND
16806	South-east Yorkshire	Juvenile	M	0.003	0.002	0.008	ND	ND	ND
16807	South-east Yorkshire.	Juvenile	M	0.123	0.008	0.005	ND	ND	ND
16809	South-east Yorkshire	Juvenile	M	0.008	0.028	ND	ND	ND	ND
16812	North Lincolnshire	Juvenile	F	0.045	0.009	0.003	ND	ND	ND
16820	Carmarthenshire	Juvenile	M	ND	0.013	ND	ND	ND	ND
16828	East Norfolk	Juvenile	F	0.019	0.005	0.010	ND	ND	ND
16830	South Somerset	Juvenile	U	ND	0.073	ND	ND	ND	ND
16943	Unknown	Undetermined	Undetermined	0.033	0.003	0.002	ND	ND	ND

ND = Non-Detected; Difen – difenacoum; Brom – bromadiolone; Brod – brodifacoum; Floc – flocoumafen; Difeth - difethiolone; Warf – warfarin; Coum – coumatetralyl; Chloro – chlorophacinone; Diph – diphacinone.

Table 2. Concentrations of anticoagulant rodenticides in the livers of kestrels received in 2010.									
Bird	Vice-County	Age	Sex	Concentration of rodenticide (µg/g wet wt.)					Other anticoagulant rodenticides detected
				SGARs					
				Difen	Brom	Brod	Floc	Difeth	
16535	Leicestershire & Rutland	Adult	F	0.006	0.068	ND	ND	ND	ND
16552	North Aberdeenshire	Juvenile	F	ND	0.002	ND	ND	ND	ND
16423	Cheshire	Juvenile	F	ND	0.164	ND	ND	ND	ND
16567	South Hampshire	Juvenile	M	0.012	0.005	ND	ND	ND	ND
16657	Cambridgeshire	Juvenile	M	ND	ND	ND	ND	ND	ND
16663	Northamptonshire	Adult	M	0.070	0.048	0.004	ND	ND	ND
16664	South Devon	Juvenile	M	ND	ND	ND	ND	ND	ND
16731	South Lincolnshire	Juvenile	F	0.022	0.041	0.048	ND	ND	Chloro – 0.005
16762	Buckinghamshire	Juvenile	U	0.003	0.076	ND	ND	ND	ND
16778	South Lincolnshire	Juvenile	F	0.006	0.007	ND	ND	ND	Chloro – 0.034

ND = Non-Detected; Difen – difenacoum; Brom – bromadiolone; Brod – brodifacoum; Floc – flocoumafen; Difeth - difethiolone; Warf – warfarin; Coum – coumatetralyl; Chloro – chlorophacinone; Diph – diphacinone.

Table 3. Concentrations of anticoagulant rodenticides in the livers of red kites received in 2010.

Bird	Vice-County	Age	Sex	Concentration of rodenticide (µg/g wet wt.)					Other anticoagulant rodenticides detected
				SGARs					
				Difen	Brom	Brod	Floc	Difeth	
16615	Mid-west Yorkshire	Adult	M	0.061	0.045	0.045	ND	ND	ND
16623	Buckinghamshire	Adult	M	0.007	0.001	0.635	ND	N/A	ND
16624	Buckinghamshire	Juvenile	U	0.008	0.005	ND	ND	N/A	ND
16625	Mid-west Yorkshire	Adult	U	0.095	0.036	0.003	ND	N/A	ND
16626	Northamptonshire	Juvenile	M	0.005	0.004	ND	ND	N/A	ND
16627	Oxfordshire	Adult	F	0.002	ND	0.504	ND	N/A	ND
16629	Northamptonshire	Adult	M	0.097	0.184	0.008	ND	N/A	ND
16630	Oxfordshire	Adult	F	ND	ND	0.769	ND	N/A	ND
16632	Northamptonshire	Juvenile	F	0.044	0.068	0.005	ND	N/A	ND
16733	Northamptonshire	Adult	M	0.122	0.097	0.003	ND	ND	ND
16734	South Northumberland	Adult	F	ND	0.059	0.004	ND	ND	ND
16735	Buckinghamshire	Juvenile	U	0.036	0.096	0.014	ND	ND	Coum – 0.010
16739	Mid-west Yorkshire	Adult	F	0.109	0.021	0.036	ND	ND	ND
16740	Mid-west Yorkshire	Juvenile	U	0.010	0.011	ND	ND	ND	ND
16741	Mid-west Yorkshire	Juvenile	U	0.013	0.026	ND	ND	ND	ND
16743	Buckinghamshire	Juvenile	M	ND	ND	ND	ND	ND	ND
16746	Hertfordshire	Adult	F	ND	0.070	0.101	ND	ND	ND
16816	Buckinghamshire	Unknown	U	ND	0.070	0.003	ND	ND	ND
16916	Leicestershire & Rutland	Juvenile	M	0.021	0.099	0.002	ND	ND	ND
16934	Mid-west Yorkshire	Adult	F	0.048	0.016	0.008	ND	ND	ND
16936	North-west Yorkshire	Juvenile	M	0.005	0.017	ND	ND	ND	ND
16939	Berkshire	Juvenile	M	ND	0.003	ND	ND	ND	ND
16940	Westmorland & N. Lancs.	Juvenile	M	0.086	0.002	0.008	ND	ND	ND
16941	Berkshire	Adult	F	ND	ND	ND	ND	ND	ND

ND = Non-Detected; Difen – difenacoum; Brom – bromadiolone; Brod – brodifacoum; Floc – flocoumafen; Difeth - difethiolone; Warf – warfarin; Coum – coumatetralyl; Chloro – chlorophacinone; Diph – diphacinone.