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Addendum to “Anticoagulant rodenticides in predatory birds 2007 & 2008: a Predatory Bird Monitoring Scheme (PBMS) report”

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| Table A1. Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2007. | | | | | | | | | | | |
|--|----------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 15431 | Huntingdonshire | A | M | ND | 0.040 | 0.006 | ND | ND | ND | ND | ND |
| 15482 | Cheshire | A | M | 0.016 | ND | ND | ND | ND | ND | ND | ND |
| 15484 | South Lincolnshire | J | F | ND | 0.003 | ND | ND | ND | ND | ND | ND |
| 15487 | South Lincolnshire | J | M | ND | 0.005 | ND | ND | ND | ND | ND | ND |
| 15493 | South Lincolnshire | J | M | 0.024 | 0.009 | 0.019 | ND | ND | ND | ND | ND |
| 15517 | Huntingdonshire | J | F | ND | 0.072 | ND | ND | ND | ND | ND | ND |
| 15520 | Montgomeryshire | A | M | 0.010 | ND | 0.006 | ND | ND | ND | ND | ND |
| 15522 | West Norfolk | A | M | 0.044 | ND | 0.007 | ND | ND | ND | ND | ND |
| 15527 | Shropshire | J | M | 0.028 | 0.003 | ND | ND | ND | ND | ND | ND |
| 15533 | South Lincolnshire | A | F | 0.052 | 0.036 | ND | ND | ND | ND | ND | ND |
| 15534 | Huntingdonshire | A | M | ND | ND | 0.022 | ND | ND | ND | ND | ND |
| 15535 | South Lincolnshire | J | F | 0.003 | 0.075 | ND | ND | ND | ND | ND | ND |
| 15536 | South Lincolnshire | | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15538 | Cambridgeshire | A | F | 0.022 | 0.004 | ND | ND | ND | ND | ND | ND |
| 15543 | Cheshire | J | M | 0.003 | 0.002 | ND | ND | ND | ND | ND | ND |
| 15550 | Cambridgeshire | A | M | 0.016 | 0.032 | ND | ND | ND | 0.024 | ND | ND |
| 15557 | West Cornwall | A | F | 0.005 | ND | ND | ND | ND | ND | ND | ND |
| 15558 | West Cornwall | A | M | 0.007 | 0.007 | ND | ND | ND | ND | ND | ND |
| 15581 | North Essex | A | F | ND | 0.009 | ND | ND | ND | ND | ND | ND |
| 15584 | Shropshire | J | M | ND | 0.005 | ND | ND | ND | ND | ND | ND |
| 15591 | Cambridgeshire | J | M | 0.002 | 0.020 | ND | ND | ND | ND | 0.006 | ND |
| 15593 | Shropshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15653 | Cornwall | J | F | 0.010 | ND | ND | ND | ND | ND | ND | ND |
| 15684 | East Cornwall | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15690 | South-east Yorkshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |

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

| Table A1 cont... Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2007. | | | | | | | | | | | |
|---|--------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide ($\mu\text{g/g}$ wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 15691 | Mid-west Yorkshire | J | M | ND | 0.022 | ND | ND | ND | ND | ND | ND |
| 15699 | Hertfordshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15703 | South Lincolnshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15713 | South Lincolnshire | A | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15721 | Huntingdonshire | J | F | 0.005 | ND | ND | ND | ND | ND | ND | ND |
| 15723 | Merionethshire | J | F | 0.002 | ND | ND | ND | ND | ND | ND | ND |
| 15728 | Cambridgeshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15734 | Cambridgeshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15736 | Dorset | J | F | ND | 0.005 | ND | ND | ND | ND | ND | ND |
| 15740 | Cambridgeshire | A | F | 0.030 | 0.017 | 0.006 | ND | ND | ND | ND | ND |
| 15741 | Staffordshire | J | M | 0.009 | ND | ND | ND | ND | ND | ND | ND |
| 15746 | Bedfordshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15747 | Cambridgeshire | J | M | 0.019 | 0.006 | ND | ND | ND | ND | ND | ND |
| 15748 | Huntingdonshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15750 | Hertfordshire | J | F | 0.025 | ND | ND | ND | ND | ND | ND | ND |
| 15751 | Huntingdonshire | A | F | 0.007 | 0.007 | 0.026 | ND | ND | ND | ND | ND |
| 15753 | Cambridgeshire | J | F | 0.095 | ND | ND | ND | ND | ND | ND | ND |
| 15754 | Bedfordshire | J | F | ND | 0.003 | ND | ND | ND | ND | ND | ND |
| 15755 | Bedfordshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15756 | Cambridgeshire | J | F | 0.030 | 0.003 | ND | ND | ND | ND | ND | ND |
| 15758 | Herefordshire | J | M | 0.004 | ND | ND | ND | ND | ND | ND | ND |
| 15759 | Huntingdonshire | J | M | 0.004 | ND | ND | ND | ND | ND | ND | ND |
| 15764 | Derbyshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15922 | South Lincolnshire | U | M | 0.070 | 0.006 | ND | ND | ND | ND | ND | ND |

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

| Table A2. Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2008. | | | | | | | | | | | |
|--|--------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 15771 | South Lincolnshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15772 | North Lincolnshire | A | F | 0.069 | ND | 0.011 | ND | ND | ND | ND | ND |
| 15773 | Shropshire | J | M | 0.042 | 0.061 | 0.013 | ND | ND | ND | ND | ND |
| 15776 | Nottinghamshire | A | F | 0.003 | 0.005 | ND | ND | ND | ND | ND | ND |
| 15807 | Huntingdonshire | A | F | 0.013 | 0.004 | ND | ND | ND | ND | ND | ND |
| 15808 | East Suffolk | J | M | 0.007 | 0.014 | ND | ND | ND | ND | ND | ND |
| 15825 | South Lincolnshire | J | F | 0.006 | 0.004 | ND | ND | ND | ND | ND | ND |
| 15838 | South Lincolnshire | A | F | 0.005 | ND | 0.042 | ND | ND | ND | ND | ND |
| 15839 | South Lincolnshire | J | F | 0.004 | 0.012 | ND | ND | ND | ND | ND | ND |
| 15840 | South Lincolnshire | J | F | 0.016 | 0.017 | ND | ND | ND | ND | ND | ND |
| 15841 | South Lincolnshire | J | F | 0.047 | 0.005 | 0.006 | ND | ND | ND | ND | ND |
| 15845 | Bedfordshire | A | F | 0.023 | 0.086 | ND | ND | ND | ND | ND | ND |
| 15850 | Cambridgeshire | A | M | ND | 0.062 | 0.034 | ND | ND | ND | ND | ND |
| 15851 | Northamptonshire | A | M | 0.004 | ND | 0.723 | ND | ND | ND | ND | ND |
| 15853 | Dorset | J | M | ND | ND | 0.006 | ND | ND | ND | ND | ND |
| 15861 | North Essex | A | M | ND | ND | 0.042 | ND | ND | ND | ND | ND |
| 15863 | North Hampshire | U | F | 0.004 | 0.007 | 0.005 | ND | ND | ND | ND | ND |
| 15867 | Oxfordshire | A | M | 0.011 | 0.027 | ND | ND | ND | ND | ND | ND |
| 15878 | Caernarvonshire | A | F | ND | 0.007 | ND | ND | ND | ND | ND | ND |
| 15888 | South Lincolnshire | J | F | 0.034 | 0.027 | 0.041 | ND | ND | ND | ND | ND |
| 15889 | South Lincolnshire | | M | 0.012 | 0.013 | ND | ND | ND | ND | ND | ND |
| 15891 | South Lincolnshire | A | M | 0.016 | 0.010 | ND | ND | ND | ND | ND | ND |
| 15893 | South Lincolnshire | J | F | 0.003 | 0.167 | ND | ND | ND | ND | ND | ND |
| 15894 | North Lincolnshire | A | M | 0.010 | 0.081 | 0.039 | ND | ND | ND | 0.006 | ND |
| 15898 | South Lincolnshire | J | F | 0.008 | ND | 0.019 | ND | ND | ND | 0.007 | ND |

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

| Table A2 cont... Concentrations of anticoagulant rodenticides in the livers of barn owls received in 2008. | | | | | | | | | | | |
|---|--------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 15899 | South Lincolnshire | A | M | 0.003 | 0.032 | ND | ND | ND | ND | 0.003 | ND |
| 15901 | South Lincolnshire | A | M | 0.036 | 0.025 | ND | ND | ND | ND | ND | ND |
| 15902 | South Lincolnshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15903 | East Suffolk | A | M | ND | 0.020 | 0.106 | ND | ND | ND | ND | ND |
| 15906 | West Norfolk | J | M | 0.016 | ND | 0.663 | 0.014 | ND | ND | ND | ND |
| 15912 | South Essex | A | F | 0.023 | 0.046 | 0.005 | ND | ND | ND | ND | ND |
| 15920 | South Lincolnshire | A | F | 0.109 | 0.201 | 0.025 | ND | ND | ND | ND | ND |
| 15924 | South Lincolnshire | | | 0.084 | 0.009 | ND | 0.005 | ND | ND | ND | ND |
| 15925 | South Lincolnshire | U | F | 0.008 | ND | 0.005 | ND | ND | ND | ND | ND |
| 15926 | South Lincolnshire | A | F | 0.008 | 0.094 | ND | ND | ND | ND | ND | ND |
| 15930 | North Lincolnshire | J | F | 0.004 | 0.023 | 0.005 | ND | ND | ND | ND | ND |
| 15933 | South Lincolnshire | A | M | 0.022 | 0.006 | 0.004 | ND | ND | ND | ND | ND |
| 15935 | South Lincolnshire | J | | ND | ND | ND | ND | ND | ND | ND | ND |
| 15938 | Berkshire | | M | 0.005 | 0.011 | ND | ND | ND | ND | ND | ND |
| 15941 | West Cornwall | J | M | 0.031 | 0.023 | ND | ND | ND | ND | ND | ND |
| 15943 | Warwickshire | J | M | 0.039 | ND | ND | ND | ND | ND | ND | ND |
| 15949 | Huntingdonshire | A | M | 0.093 | ND | 0.005 | ND | ND | ND | ND | ND |
| 15952 | East Norfolk | J | F | 0.055 | 0.285 | ND | ND | ND | ND | ND | ND |
| 15963 | Kirkcudbrightshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15976 | Merionethshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 16044 | Shropshire | J | M | ND | 0.007 | ND | ND | ND | ND | ND | ND |
| 16045 | Hertfordshire | J | M | ND | 0.022 | ND | ND | ND | ND | ND | ND |
| 16057 | Anglesey | U | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 16086 | East Cornwall | J | U | ND | ND | 0.018 | ND | ND | ND | ND | ND |

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

| Table A3. Concentrations of anticoagulant rodenticides in the livers of kestrels received in 2007 & 2008. | | | | | | | | | | | |
|--|----------------------|-----|-----|---|-------|-------|-------|----------------------------------|------|--------|--------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 2007:- | | | | | | | | | | | |
| 15463 | West Ross | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15464 | Leicestershire | U | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15521 | Mid-west Yorkshire | A | F | ND | 0.004 | ND | ND | ND | ND | ND | ND |
| 15594 | Worcestershire | A | F | 0.087 | 1.057 | 0.016 | ND | ND | ND | ND | ND |
| 15693 | Isle of Wight | J | M | ND | ND | 0.006 | ND | ND | ND | ND | ND |
| 15694 | Cambridgeshire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15548 | East Suffolk | A | F | 0.006 | 0.028 | ND | ND | ND | ND | ND | ND |
| 2008:- | | | | | | | | | | | |
| 15856 | Huntingdonshire | A | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 15892 | South Lincolnshire | A | M | 0.042 | 0.010 | 0.004 | ND | ND | ND | ND | ND |
| 15939 | West Lancashire | J | F | ND | ND | 0.003 | ND | ND | ND | ND | ND |
| 15944 | * | J | U | 0.084 | 0.170 | ND | ND | ND | ND | ND | ND |
| 15953 | Cambridgeshire | A | M | 0.005 | 0.005 | ND | ND | ND | ND | ND | ND |
| 15955 | Huntingdonshire | A | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 15956 | Huntingdonshire | A | M | 0.010 | 0.067 | ND | 0.010 | ND | ND | ND | ND |
| 15965 | South Essex | J | U | 0.004 | ND | ND | ND | ND | ND | ND | ND |
| 15973 | Cumberland | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 16043 | Orkney Islands | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 16093 | Oxfordshire | U | M | 0.100 | 0.034 | ND | ND | ND | ND | ND | ND |
| 16095 | Buckinghamshire | A | M | 0.004 | 0.212 | ND | ND | ND | ND | ND | ND |
| 16097 | South-west Yorkshire | U | M | 0.374 | 0.072 | 0.375 | ND | ND | ND | ND | ND |
| 16105 | South-east Yorkshire | J | F | 0.035 | 0.009 | 0.006 | ND | ND | ND | ND | ND |
| 16106 | South-east Yorkshire | J | M | 0.002 | 0.971 | ND | ND | ND | ND | ND | ND |

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

| Table A4. Concentrations of anticoagulant rodenticides in the livers of red kites received in 2007. | | | | | | | | | | | |
|--|----------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 15671 | Northamptonshire | J | M | 0.030 | 0.040 | ND | ND | ND | ND | ND | 0.008 |
| 15673 | Northamptonshire | A | F | 0.140 | 0.041 | ND | ND | ND | ND | ND | ND |
| 15676 | Berkshire | A | F | 0.073 | ND | 0.169 | ND | ND | ND | ND | ND |
| 15677 | Northamptonshire | A | F | 0.526 | ND | 0.007 | ND | ND | ND | ND | ND |
| 15678 | Northamptonshire | A | F | 0.222 | 0.018 | 0.008 | ND | ND | ND | ND | ND |
| 15679 | Oxfordshire | A | F | 0.152 | 0.025 | ND | ND | ND | ND | ND | ND |
| 15680 | Buckinghamshire | A | M | 0.035 | 0.025 | 0.274 | ND | ND | ND | ND | ND |
| 15681 | Northamptonshire | J | M | 0.179 | ND | ND | ND | ND | ND | ND | ND |
| 15682 | South-East Yorkshire | A | F | 0.007 | 0.021 | 0.020 | ND | ND | ND | ND | ND |
| 15683 | Mid-West Yorkshire | A | M | 0.346 | ND | 0.085 | ND | ND | ND | ND | ND |
| 15826 | Northamptonshire | J | F | 0.014 | 0.025 | ND | ND | ND | ND | ND | ND |
| 16061 | Buckinghamshire | A | M | 0.039 | 0.104 | 0.066 | ND | ND | ND | ND | ND |
| 16062 | Berkshire | A | M | 0.061 | 0.031 | 0.183 | ND | ND | ND | ND | ND |
| 16063 | Northamptonshire | J | M | 0.080 | 0.102 | ND | ND | ND | ND | ND | ND |
| 16064 | Buckinghamshire | J | F | 0.047 | 0.109 | ND | 0.062 | ND | ND | ND | ND |
| 16066 | Northamptonshire | J | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 16067 | Huntingdonshire | J | M | 0.013 | ND | 0.489 | ND | ND | ND | ND | ND |
| 16068 | Buckinghamshire | A | F | 0.015 | 0.406 | ND | ND | ND | ND | 0.033 | ND |
| 16069 | Northamptonshire | J | F | 0.270 | ND | ND | ND | ND | ND | ND | ND |
| 16646 | Northamptonshire | A | F | ND | ND | ND | ND | ND | ND | ND | ND |
| 16647 | Montgomeryshire | J | U | ND | 0.016 | ND | ND | ND | ND | ND | ND |
| 16071 | Northamptonshire | A | F | 0.018 | ND | 1.154 | ND | 0.015 | ND | ND | ND |

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

| Table A5. Concentrations of anticoagulant rodenticides in the livers of red kites received in 2008. | | | | | | | | | | | |
|--|--------------------|------------|------------|--|-------------|-------------|-------------|---|-------------|---------------|---------------|
| Bird | Vice-County | Age | Sex | Concentration of rodenticide (µg/g wet wt.) | | | | | | | |
| | | | | SGARs | | | | Other anticoagulant rodenticides | | | |
| | | | | Difen | Brom | Brod | Floc | Warf | Coum | Chloro | Diphac |
| 16073 | Northamptonshire | A | F | 0.278 | ND | 0.013 | ND | ND | ND | ND | ND |
| 16074 | Buckinghamshire | J | M | 0.006 | ND | 0.168 | ND | ND | ND | ND | ND |
| 16075 | Northamptonshire | A | M | 0.288 | 0.043 | 0.007 | ND | ND | ND | ND | ND |
| 16076 | Northamptonshire | A | F | 0.065 | 0.060 | 0.013 | ND | ND | 0.013 | ND | ND |
| 16077 | Buckinghamshire | A | M | 0.065 | ND | 0.046 | ND | ND | ND | ND | ND |
| 16079 | Leicestershire | J | M | ND | ND | ND | ND | ND | ND | ND | ND |
| 16080 | Oxfordshire | J | F | 0.044 | 0.127 | ND | ND | ND | ND | ND | ND |
| 16082 | Buckinghamshire | J | F | 0.006 | 0.052 | 0.105 | ND | ND | ND | ND | ND |
| 16083 | Northamptonshire | J | F | 0.111 | 0.042 | 0.016 | ND | ND | ND | ND | ND |
| 16084 | Northamptonshire | J | F | 0.123 | 0.102 | ND | ND | ND | ND | ND | ND |

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