

Thames Valley

Environmental Records Centre



Sharing environmental information in Berkshire and Oxfordshire

Annual Report

2014-2015

Thames Valley Environmental Records Centre (TVERC) is a 'not for profit' organisation covering Berkshire and Oxfordshire. We are run by a partnership of all the local authorities in Berkshire and Oxfordshire, Natural England, the Environment Agency and the Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust.

We collect, analyse and share geodiversity and biodiversity information in Berkshire and Oxfordshire to help people make sound decisions about how to develop and manage land sustainably and where to direct wildlife conservation, and for scientific research and education.

We hold around 1.5 million records of flora and fauna in Berkshire and Oxfordshire plus information about Local Wildlife and Geological Sites, UK NERC S41 priority habitats (previously BAP) habitats and Ecological Networks (Conservation Target Areas and Biodiversity Opportunity Areas).

We collect this data from the general public, skilled volunteer /amateur recorders, professionals working for wildlife charities (BBOWT and RSPB), professionals working for government agencies (Natural England, the Environment Agency & local authorities) and ecological consultants.

TVERC is accredited by the Association of Local Environmental Records Centres.

Chairman's Foreword

Jeremy Davy, West Berkshire District Council

Welcome to our Annual Report for 2014/15.

This has been a year of staff changes and interviewing for some. These are detailed in the highlights section on page 4 and the description of the team on the following 2 pages. I thank Sally Jeffrey and Helen Miller for their work with us and particularly wish Helen well in her new job in the private sector, where I am sure she will flourish. Sally has been replaced by Hannah Boylan who we welcome, while recruitment to Helen's post has begun.

I am pleased to report that Camilla Burrow is now the proud mother of a boy and that both are doing well. We will soon be welcoming Camilla back to Eynsham. During her absence the team has been led by Lucy Lush and I wish to thank her for doing the job so well. To help cover for Lucy we were pleased to welcome Caroline Coleman on a temporary contract and I am pleased to say that she has now been offered the role of Volunteer Co-ordinator – more of which below.

All the other staff have remained in post and have been working hard to maintain the Records Centre for which I thank them.

I am pleased to report that during the year we entered our 1.5 millionth record which is a worthy milestone. At this point I must thank the volunteers who were responsible for the collection of the majority of these records.

Looking at the data searches it would seem that the recession is over as the Records Centre received its highest number of data requests at over 700 of which 90 % were for development and planning purposes. This has impacted on TVERC's finances with commercial data searches amounting to over £90,000 and 27 % of income. Service Level agreements with Local Authorities and Natural England and the Environment Agency have stayed more or less level, while drops in Project Income from some sectors has been offset by increases in others. Overall, income was slightly up, but expenditure was up more due to the various staff changes mentioned above. In spite of this, the financial condition of TVERC remains healthy and we have decided that we are in a position to offer more support to our volunteer recorders – see section 10 (page 22) on what we are already doing. We have therefore recruited Caroline (as mentioned above) for three years as Volunteer Co-ordinator (see page 4 for more detail).

I commend this report to you and hope you find it interesting. If you understand the section on Twitter on page 4, then you are younger than me!

(Hot off the press! – I am very pleased to report that Lucy has been awarded her doctorate – congratulations Lucy)

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1. Highlights of 2014-15

Invasive species dataset

Ellen has produced an invasive species list from a compilation of all invasive non-native species records held by TVERC, based on the Environment Agency's Invasive Non-Native Species (INNS) list 2014. This list has been used to create a GIS layer, with a 2km buffer for TVERC partners to use to identify areas where non-native invasive species may be an issue. The invasive species GIS layer will be updated every 6 months and currently has approximately 4,500 records.

Online recording

Our online recording website has been up and running since September 2014. 942 records have been submitted onto the online recording site. 3 local recording groups have set up their own pages and 30 people have set up profiles on the system to enter records.

Twitter account

We currently have 131 followers and have tweeted 325 tweets. Using the Twitter Activity Analytics to assess the use of the twitter account tells us how many impressions (number of times users saw the tweet) each tweet receives, as well as re-tweets or clicks on links within the tweets. It also provides details on our followers; 71 % are males and 89 % are from the UK. Since September 2014 we have had 10,270 tweet impressions, 803 profile visits, 28 mentions and since February 2014 we had 32 link clicks from tweets and 14 re-tweets.

Staff changes

Sally Jeffrey left TVERC in May 2014 as Administration Officer and has been replaced by Hannah Boylan who joined us in November 2014.

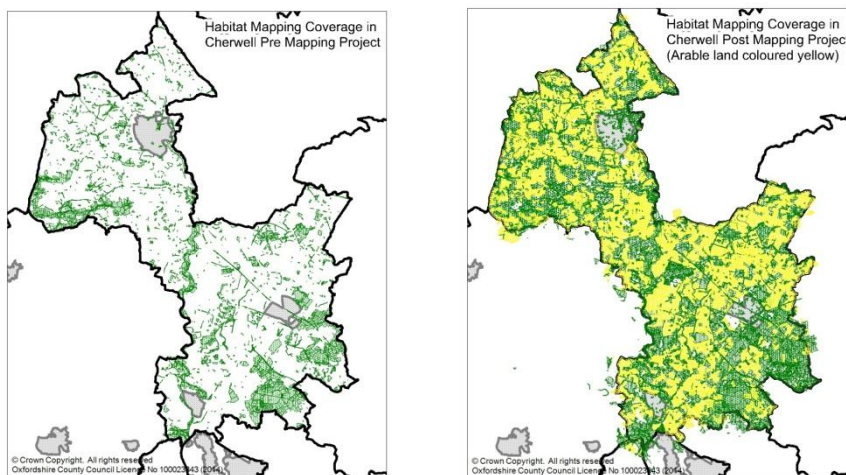
Camilla Burrow, TVERC Director, went on maternity leave from September 2014 – May 2015. Lucy Lush, TVERC's Projects Manager, became acting TVERC Director to cover the maternity leave. Caroline Coleman joined on a temporary one year contract to cover Lucy's post of Projects Manager. Caroline joined us in September 2014 and her contract ends in September 2015. From May 2015 Camilla will be returning for 3 days a week and Lucy will continue to carry out some Director tasks and line managing 3 people until September 2015 to help cover the Director post.

A new post of Volunteer Co-ordinator was created to help coordinate surveying using volunteers and build up a volunteer network to undertake surveys for Local Wildlife Sites and other project work. The post will also help with data management and organising the recorders conferences. The post is initially on a 3 year contract. Interviews were held on 1st April 2015 and the post was offered to Caroline Coleman. Caroline will begin the new post in September 2015 once her current contract as Projects Manager ends.

Helen Miller, TVERC's Berkshire Biodiversity Officer, left in March 2015 to set up a branch of Acorn Ecology in Warwickshire. The post is currently under recruitment.

Cherwell District habitat mapping

Cherwell District Council commissioned TVERC to complete the habitat mapping for the District using aerial photography. The Council are working on their local plan so it is important to identify and map priority habitat and potential priority habitat to ensure that it is protected from development. The total amount of habitat now mapped in Cherwell has increased from 5,027 ha to 63,637 ha. The amount of NERC Act S41 habitat has increased from 2,634 ha to 3,379 ha; an increase of over 40% (1,105 ha). This includes mapping of ponds of high ecological value, rivers and open mosaic habitat of previously developed land for the first time.



BSBI Planners workshop

Just over a year ago the British Standards Institution (BSI) launched BS 42020, *Biodiversity – Code of practice for planning and development*. The standard will help organisations fulfill their obligation to support local biodiversity targets. It deals with projects and products that include planning and development of new buildings, also extending to changes in land use – and how these activities impact upon biodiversity. TVERC helped organise two workshops, one in Oxfordshire and one in Berkshire, aimed at planners to make them aware of the BS 42020 and how to use it. Both were well attended by a range of organisations including planners and ecologists from local authorities, Natural England, Environment Agency, Wildlife Trust and other Local Record Centres.

2. TVERC Team

We are a team of ten people, but as some of us work part-time, this is equivalent to 8.7 full-time staff.

Camilla Burrow, Director - Development and delivery of the TVERC service.
camilla.burrow@oxfordshire.gov.uk, 01865 815 418

Lucy Lush, Acting TVERC Director/Projects Manager – Development and delivery of the TVERC service. Delivering services to our local authority partners in Berkshire and Oxfordshire and managing project work.
lucy.lush@oxfordshire.gov.uk, 01865 815 676

Caroline Coleman, Projects Manager (Temp) – Delivering services to our local authority partners in Berkshire and Oxfordshire and managing project work.
caroline.coleman@oxfordshire.gov.uk, 01865 815 120

Graham Hawker and Ellen Lee, Biodiversity Data Services Officers – Data management, analysing and presenting data for commercial customers and project work.
graham.hawker@oxfordshire.gov.uk, 01865 815 431
ellen.lee@oxfordshire.gov.uk, 01865 815 435

Julie Kerans and Vacant, Oxfordshire and Berkshire Biodiversity Data Officers - Surveying local wildlife sites with the help of volunteers, analysing and presenting data for project work and developing links with the local groups and recorders.
julie.kerans@oxfordshire.gov.uk, 01865 815 293
vacant@oxfordshire.gov.uk, 01865 815 474

Caroline Coleman, Volunteer Co-ordinator (Starts in Sept 2015, 3 year post) – Coordinate volunteers to carry out surveying and data management and build up a volunteer network.
caroline.coleman@oxfordshire.gov.uk,

Hannah Boylan, Admin Officer - Finance, admin & promotional tasks to ensure the smooth running of a busy office. Hannah.boylan@oxfordshire.gov.uk, 01865 815 479

Rachael Potter, Biodiversity Data Assistant - Data management, presenting data for commercial customers and project work. rachael.potter@oxfordshire.gov.uk, 01865 815 411

New Administration Officer

Hannah Boylan joined TVERC in November 2014. Prior to this she spent a year as a full time mother to her two boys aged 2 and 6 whilst relocating from Derbyshire to Oxfordshire. Hannah has a Countryside Management foundation Degree and has many years of administration experience. She has been employed in the environmental sector for over 10 years, having worked for British Waterways (now The Canal and River Trust), The Centre for Ecology and Hydrology and URS Corporation Consultancy in roles varying from GIS assistant to ecologist.

New Projects Manager

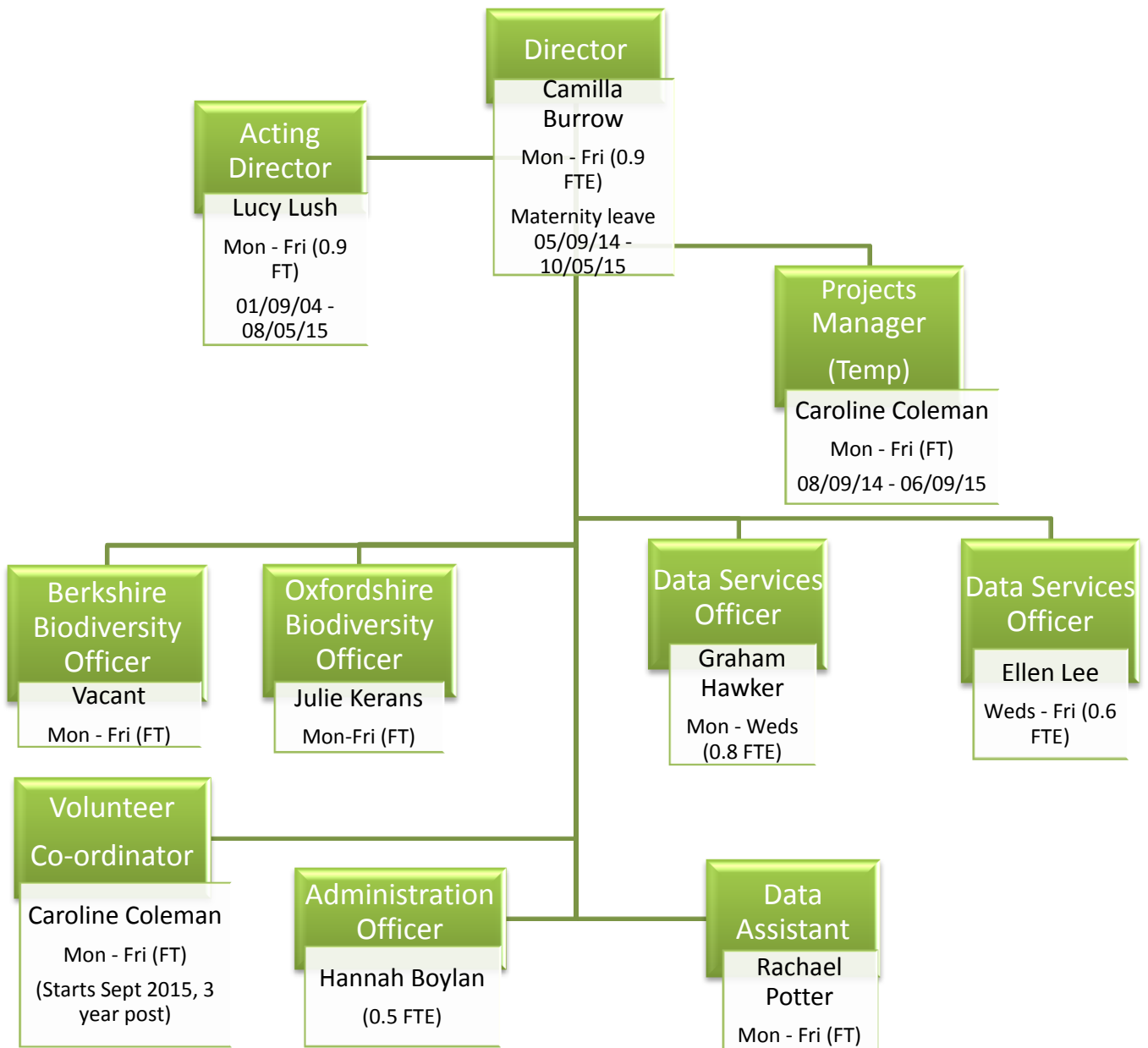
Caroline Coleman has recently joined TVERC team as a Projects Manager. Before joining TVERC she was a volunteer Biodiversity Conservation Trainee with BBOWT, working with the Trust's biodiversity team to deliver its annual programme of survey and monitoring work. She was involved in a range of work across the three counties, including bird surveys, rapid habitat condition assessments, butterfly transects and surveys for water vole field signs.

She has also volunteered for several years as a bird surveyor for the BTO and RSPB. When she finds time, she is learning the complexities of bird-ringing and has ringed a variety of birds from swifts to mute swans. A memorable experience for her was ringing gulls on a landfill in Essex, giving her a lasting admiration for these intelligent, feisty birds.

Last year she completed a Master's degree in Ornithology. For her research dissertation she used ringing and observational data to look for changes in movement and distribution patterns of herring gulls in relation to human changes in their environment. Separate collection of food waste means less makes its way to landfills, previously a much-used resource by gulls. Meanwhile, deterrence and extermination are also increasingly used to remove gulls from landfills, reservoirs and urban environments.

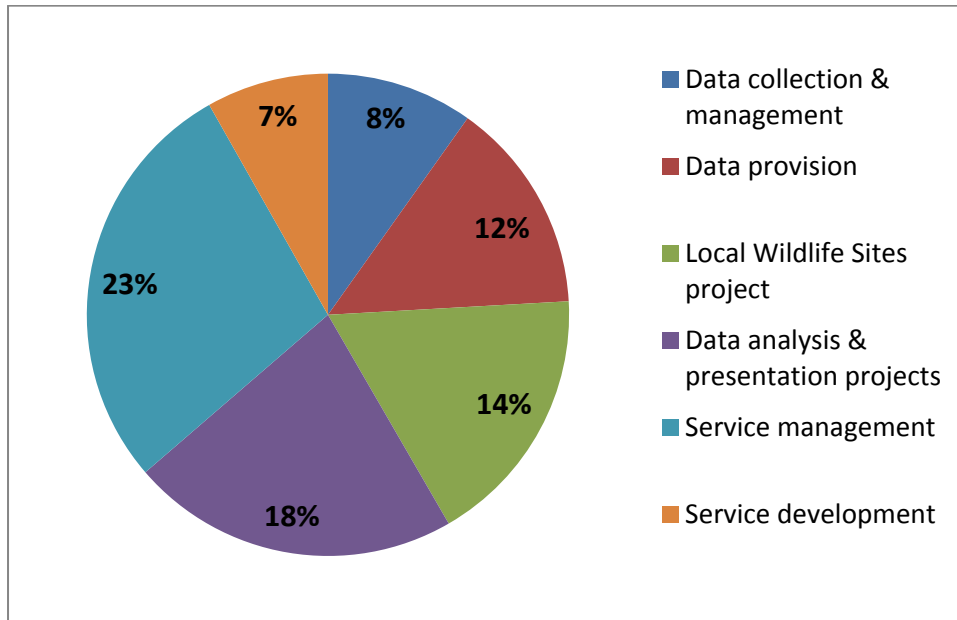
Structure

The current structure is shown below:



Areas of Work

The pie chart below illustrates the time spent by the TVERC team on different elements of the TVERC work programme during 2014-15.



Contact details

Thames Valley Environmental Records Centre
c/o Oxfordshire County Council
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Old Station Way
Eynsham
Oxon OX29 4TL

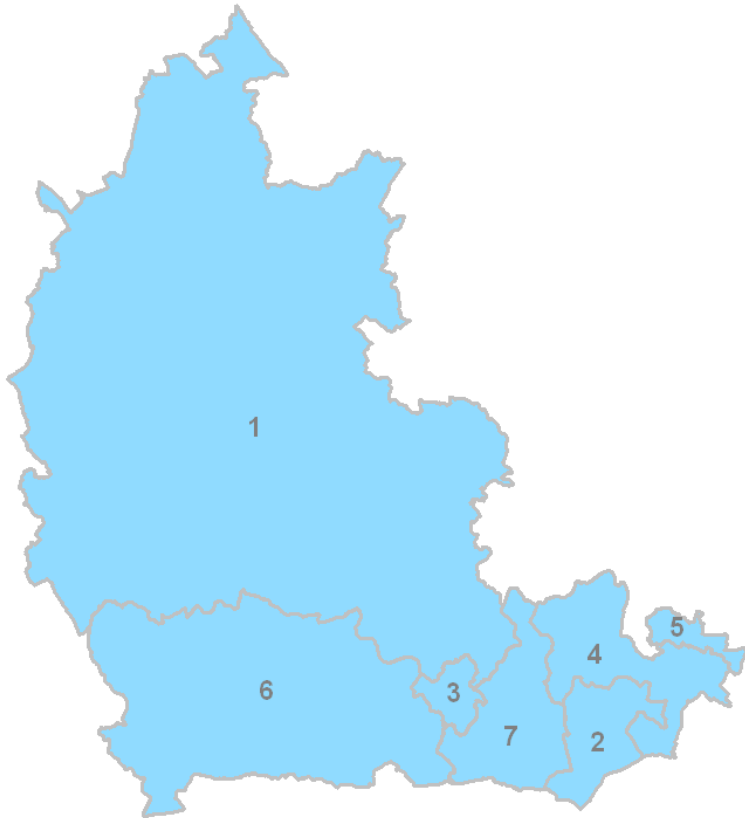
01865 815 451

tverc@oxfordshire.gov.uk

www.tverc.org

Geographic Coverage

TVERC covers all of Berkshire and Oxfordshire, as shown on the map below.



- 1 Oxfordshire County Council
- 2 Bracknell Forest Borough Council
- 3 Reading Borough Council
- 4 Royal Borough of Windsor & Maidenhead
- 5 Slough Borough Council
- 6 West Berkshire Council
- 7 Wokingham Borough Council

3. TVERC Partners

Organisation

TVERC is a 'not for profit' organisation covering Berkshire and Oxfordshire. We are run by a partnership and are one of a national network of local records centres. We are a member of the National Biodiversity Network (NBN) and accredited by the Association of Local Records Centres (ALERC).

Our funding partners include all the local authorities in Oxfordshire & Berkshire plus Natural England and the Environment Agency. We also work closely with the Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust. TVERC is hosted by Oxfordshire County Council.

Steering Group

TVERC is monitored and directed by a Steering Group, which meets three times per year. The Steering Group provides strategic guidance for TVERC helping to set its overall aim, objectives and priorities; provides guidance as required to TVERC staff; and ensures that the operational management of the Centre is successful and that it is adequately resourced. Annex B of the MoU sets out the Steering Group's Terms of Reference.

Memorandum of Understanding

One of the requirements of ALERC accreditation is that we set out clearly and agree with our funding partners what they can expect from us, and what we expect from them. To help meet this requirement, the TVERC Partner Memorandum of Understanding (MoU) was drawn up. This MoU has been approved by the TVERC Steering Group in April 2014.

4. Data Holdings

TVERC aims to hold all available information about the plants, animals, wildlife habitats and important wildlife and geological sites in Berkshire and Oxfordshire. TVERC holds a database of over 1.5 million species records plus Local Wildlife Site and Local Geological Site boundaries and information and UK NERC S41 priority habitat (previously called Biodiversity Action Plan (BAP)) and other habitat data.

We also hold the boundary data for Conservation Target Areas in Oxfordshire and Biodiversity Opportunity Areas in Berkshire. These landscape-scale conservation areas are used by the Berkshire Local Nature Partnership and Wild Oxfordshire to coordinate biodiversity work in Berkshire & Oxfordshire.

5. Data Collection & Management

We collect data from the general public, skilled volunteer/amateur recorders, professionals working for wildlife charities (BBOWT and RSPB), professionals working for government agencies (Natural England, the Environment Agency & local authorities) and ecological consultants.

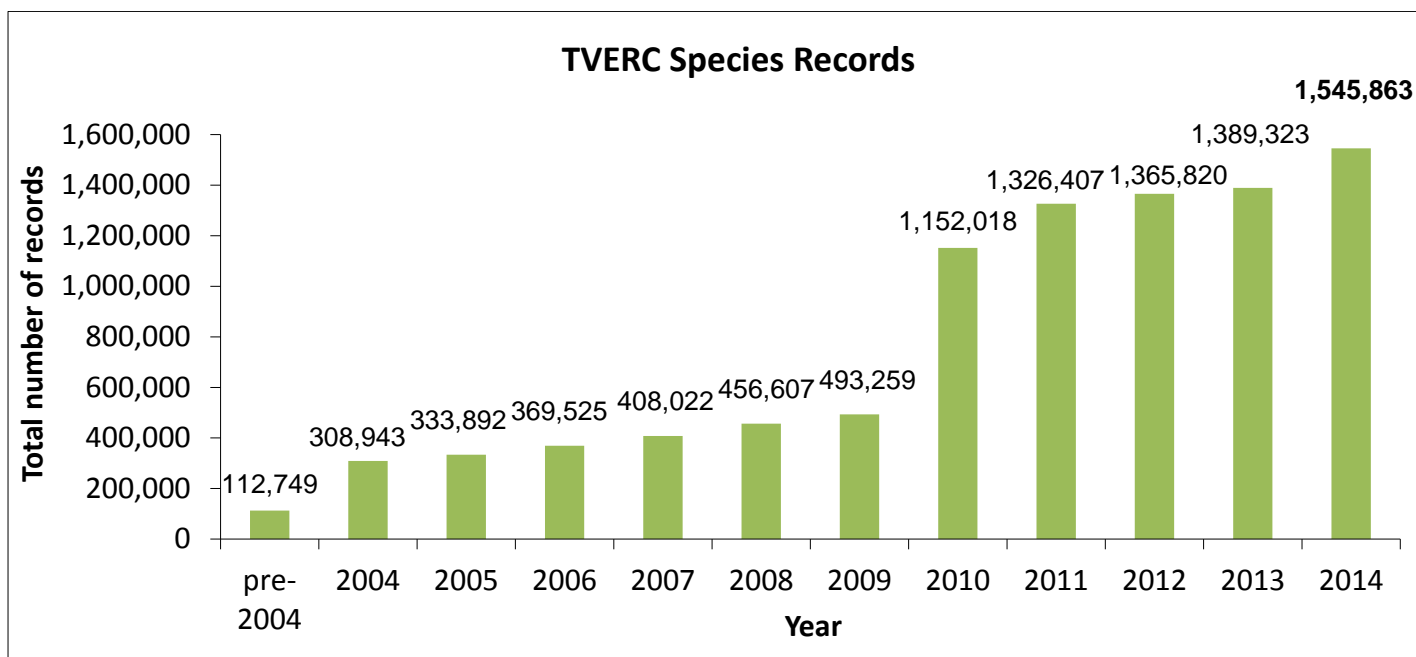
Species records

We added 144,796 new records to our database in 2014. The number was so high this year because of a database exchange with BBOWT. In 2010 we did a mass import of about 600,000 records from the old Recorder 3 into Recorder 6. In 2011, we added some large datasets such as moth records to our database. In 2013, we added slightly less than our target of 30,000 per year, but this did include many bat records extracted from ecological consultant reports, which are very valued by our partners and customers. Our database now includes over 1.5 million records.

Year	Records added
Pre-2004	112,749
2004	196,194
2005	24,949
2006	35,633

Year	Records added
2007	38,497
2008	48,585
2009	36,652
2010	658,759

Year	Records added
2011	174,389
2012	39,413
2013	23,503
2014	144,796



Datasets

We added 161 new datasets into Recorder, plus Local Wildlife Site species data and Ancient Woodland Inventory data. 222 datasets were acquired by TVERC from individual recorders, recording groups, conservation organisation and environmental consultants during 2014/15 and will be processed and added to our database in accordance with our Data Policies & Procedures document. The list of datasets is listed in appendix I.

Data Agreements

Each year, TVERC negotiate with the wide range of recorders and recording groups in Berkshire and Oxfordshire to ensure we can access new data. In 2014 we signed new data agreements with the following organisations:

- Oxfordshire Bat Group
- Earth Trust
- Oxfordshire Mammal Group
- Berkshire Mammal Group

Improving quality of data

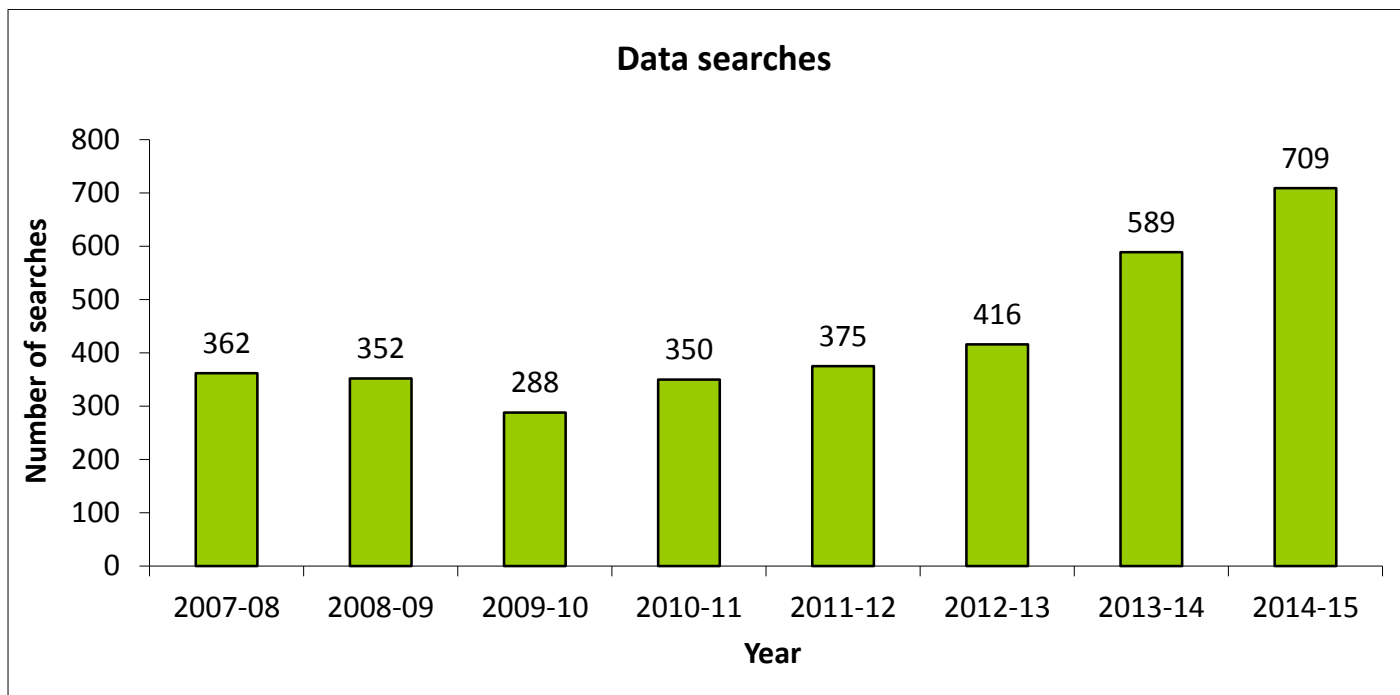
We have been cleaning up comments from various data sets, primarily bird data, to remove irrelevant and wordy entries. We have also continued our usual policy of correcting entries in the database as we notice them or they are reported to us. We have made a big effort this year to get up to date with bat records and GCN records.

Data search improvements

We are currently in the process of automating the data search process to reduce the time spent on data searches and make the procedure more efficient. We have created online data search forms, a separate form for commercial and non-commercial customers, which will enable the information to be automatically downloaded into a spreadsheet. The next steps will be to organise the database to enable automation of the searches, with links to citations, creation of the data search maps and creation of partner layers.

6. Data Search Requests

TVERC carried out 709 data searches in 2014/15. This is higher than the average number of data searches carried out over the last seven years of 490. It was also an increase from last year when we carried out 589 data searches. This increase is mainly due to an increase in the number of planning applications being submitted this year.

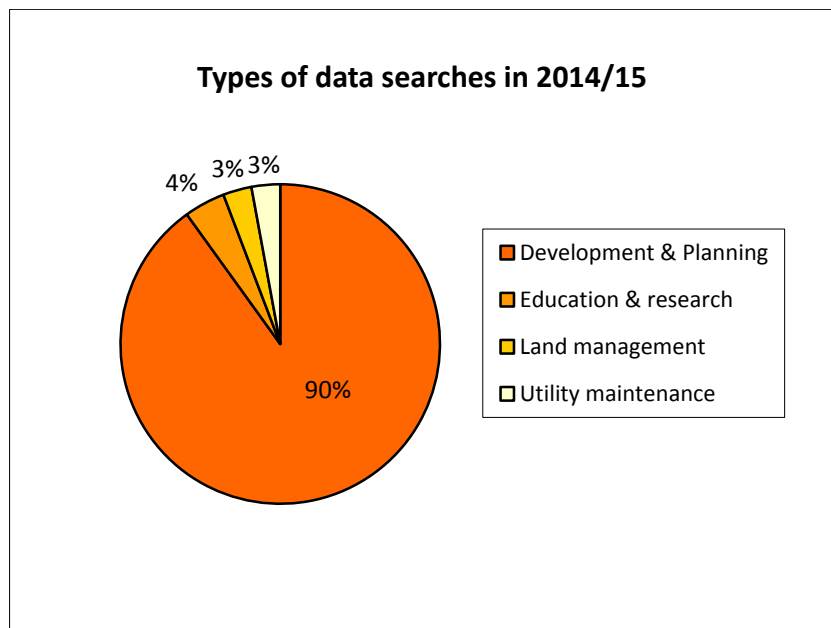


TVERC charges for data searches based on an hourly rate for extracting and presenting the data. The hourly rate includes a contribution towards the annual cost of collating and managing the TVERC database. TVERC waive this charge for data searches for individuals, landowners and conservation organisations where the data will be used solely for conservation purposes. In these cases, a donation is requested, to cover the costs of extracting and presenting the data. We also waive the fee for initial single species & bat searches, so although we carried out 709 data searches, a charge was made for only 529 of these, bringing in a total income of £83k for 2014/15.

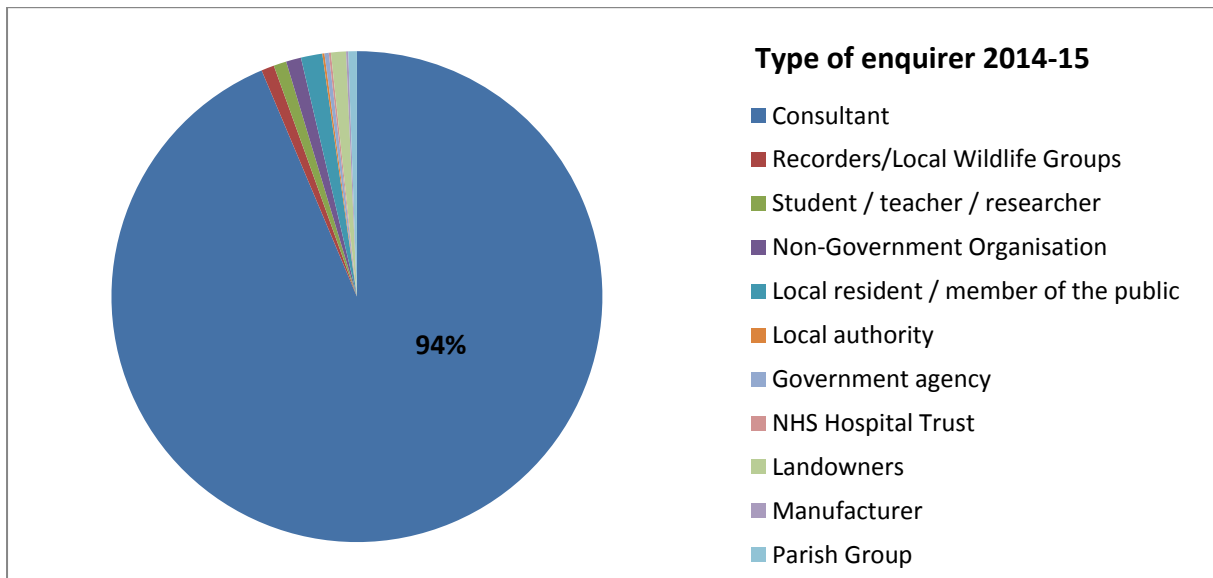
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The types of data searches are shown in the pie charts and tables below.

Type of data search enquiry 2013/14	Number
Development & Planning	498
Education & research	23
Land management	16
Utility maintenance	16
TOTAL	709



Type of enquirer	Number of data searches
Local authority	1
Government agency	2
Non-Government Organisation	7
Consultant	664
Student / teacher / researcher	6
Landowner	7
Local resident / member of the public	10
Recorders/Local Wildlife Groups	6
Parish Group	4
NHS Hospital Trust	1
Manufacturer	1
TOTAL	709



7. Data Provision to Partners

TVERC provided updated datasets to our partners. These are essential to ensure that our partners comply with planning policy and wildlife legislation and that sound decisions are made about where to focus conservation effort, how best to manage land and where to direct development to minimise impacts on the natural environment.

The updated datasets TVERC provided to partners were:

- Protected & notable species (July 2014 & February 2014)
- Buffered notable & protected species (April 2015)
- Local Wildlife Sites (February 2014)
- S41 Habitats of Principle Importance and Land-Use (previously UK BAP priority habitat) (January 2015)

There were no changes to the following datasets:

- Local Geological Sites
- Conservation Target Areas / Biodiversity Opportunity Areas

8. Data Analysis & Presentation

TVERC carried out several projects during 2014-15, including carrying out surveys, analysing data and presenting the results in a user-friendly format. The results of these projects will be used by our funders to make sound decisions about where to direct conservation effort, how best to manage land and where to direct development to minimise impacts on the natural environment.

Improvements to evidence-base

Berkshire Ancient Woodland Review

TVERC will update the ancient woodland inventory (AWI) in Berkshire. The updated AWI, mapping the quality, extent and distribution of ancient woodland, will include sites under 2 ha (which were excluded from the original AWI) and provide a robust evidence base to help inform planning decisions, strategic plans and various environmental projects, such as planning for strategic infrastructure, considering planning applications (e.g. commercial, housing, minerals and waste), directing habitat conservation work (e.g. buffering and linking smaller sites, enhancing existing sites), climate change adaptation and mitigation (e.g. carbon storage in woodland, carbon-neutral wood-fuel) and wood-fuel initiatives.

The works involve using GIS analysis of modern and historic maps, supported by field work, to assess whether currently wooded sites were likely to have been wooded since at least 1600 and subsequently considered to be ancient woodland. All desk-based mapping is complete for Bracknell and Wokingham and field work has started. A number of sites have been visited in Bracknell and landowner permission is being sought for various sites in Wokingham. Stage 1 has been started for West Berkshire, with more potentially to be carried out over the next year (2015-16).

Cherwell Habitats mapping

Cherwell District Council needs to know where the highest quality natural environment is so that they can make sound decisions on the location and design of sustainable development and where to direct wildlife conservation work. The existing Habitats and Land-Use dataset had significant gaps in coverage, so digital mapping of habitats covering the whole of Cherwell District was carried out by TVERC to ensure that important high quality habitats are identified.

The total amount of habitat now mapped in Cherwell has increased from 5,027 ha to 63,637 ha. The amount of NERC Act S41 habitat has increased from 2,634 ha to 3,379 ha; an increase of over 40% (1,105 ha). The majority of Cherwell District is used for arable farmland or intensively managed grassland for grazing and silage production. However several areas of potential high quality grassland and wetland/fen have been identified, particularly in the Northern Valleys Conservation Target Area (CTA). The boundaries of the CTAs could be amended to reflect this.

It is recommended that ground surveys are carried out in those areas identified as “possibly unimproved” grassland to determine whether they are NERC Act S41 habitat. It is also recommended to update this

dataset annually or biennially to ensure information is up-to-date and as a way to monitor any habitat loss or gain, particularly of NERC Act S41 habitats.

OCC AWI additional work

TVERC reviewed and analysed the revised ancient woodland inventory to provide a whole county perspective of the ancient woodland resource. The review included the Chilterns AONB which was previously revised. It gave breakdowns of ancient woodland within statutory and non-statutorily designated conservation sites, public landholdings and key nature conservation organisations within the county.

Bracknell extra LWS survey

An additional Local Wildlife Site survey was carried out on Lily Hill Meadow in Bracknell Forest. This helps to increase the habitats surveyed within Bracknell Forest and possibly increase the Local Wildlife Sites in the district.

RoW Species Scoping

Oxfordshire County Council Countryside Access required an initial scoping assessment for ecological show-stoppers that may be encountered during the extension of the rights of way network in Cherwell Valley between Ardley, Middleton Stoney and Upper Heyford. It is understood that the proposed access works will include improving existing PRoW (e.g. clearing ditches, raising ground level and surfacing) and creating new ones which may include a stoned surface.

Land Management

Pang BOA Mapping

To aid work advising landowners on habitat management and restoration in the Pang Valley and Sulham Stream BOA TVERC produced maps of existing habitats of principal importance and land within various HLS habitat management and creation options.

Trap Grounds Survey

TVERC were asked by members of the Friends of the Trap Grounds to survey the scrub area at the Trap grounds. This area is not currently included in the LWS boundary. The site visit focussed on providing advice as to the likelihood that this area would be accepted as an extension to the existing LWS.

Widnall Park Piddington Surveys

TVERC were asked to survey an area of grassland and small woodland at Widnall Park, Piddington. Piddington Parish Council will use the information from the survey to help inform the most appropriate management for the site.

Newbury Renewal Meadow Management Plan

Newbury RENEWAL (REstoration in NEWbury ALong the River Lambourn) requested that TVERC develop a five year management plan for the site known as Turnpike Meadow in Newbury. This management plan identifies objectives and an approach as to how they could be achieved to enhance, and subsequently

Lucy Lush, TVERC Director

April 2015

maintain, the ecological value of the site alongside informal appropriate recreation. It is proposed that through appropriate management the site will provide a greater diversity of species than has previously been recorded on site. Management plan has been sent to RENEWAL.

Monitoring change

Local Wildlife Sites under good management

TVERC undertook the assessment of the Single Data List 160 (previously called National Indicator 197) – the percentage of local wildlife sites in favourable management condition – for individual Berkshire unitary authorities. The 2014 results for the analysis of data associated with the 2013/14 business year were that an average of 48 % of local sites were in positive management across all of Berkshire. The table overleaf shows the results for the individual unitary authorities within Berkshire.

Local authority	% of local sites in positive management (2013/14)
Berkshire average	48 % (increase of 6 % from 2012/113)
Bracknell Forest BC	53 % (increase of 2 % from 2012/13)
RB Windsor & Maidenhead	34 % (increase of 3 % from 2012/13)
Reading BC	77 % (increase of 6 % from 2012/13)
Slough BC	33 % (no change from 2012/13)
West Berkshire DC	50 % (increase of 8 % from 2012/13)
Wokingham	44 % (decrease of 3 % from 2012/13)

Biodiversity indicators

Information on biodiversity indicators associated with our Berkshire and Oxfordshire local authority partners' Local Plans was gathered, processed and supplied in 2014. The following biodiversity indicators were reported on:

- Changes in area of Local Wildlife Sites (LWS & LGS)
- Change in number of NERC Act S41 species of principal importance (previously called UK BAP priority species)
- Changes in mapped area of NERC Act S41 habitats of principal importance (previously called UK BAP priority habitat)
- Distribution and status of water voles
- Change in condition of Sites of Special Scientific Interest
- Distribution and status of farmland birds
- Status of non agri-schemes habitat creation and management

Training, education & sharing information

Oxon Rare Plants Register

TVERC has been supporting the work of the Ashmolean Natural History Society of Oxfordshire in its undertaking of a Rare Plants Register in Oxfordshire. Records have been collected by recorders over the last few years and the results have been processed and analysed by TVERC. Funding was provided to TVERC to generate distribution maps of species which will be included within the register. The results of the mapping (and associated species narratives) will be included within a future on-line publication.

TVERC Training Programme

To help increase identification skills, surveying techniques and encourage wildlife recording within Berkshire and Oxfordshire through running a number of day training courses on a wide range of species and habitats. These include; dormice, amphibian & reptiles, hare ecology and surveying and small mammal trapping, hedgerow surveys, winter tree ID and woodland plant ID.

9. Local Wildlife Sites

Local Wildlife Site surveys are one of the core services that TVERC continues to provide across the two counties for the majority of the Local Authorities. We carried out a total of 55 LWS surveys in 2014/15. We also organised volunteer surveyors to carry out specialist surveys for dragonflies, butterflies, general invertebrates, hymenoptera, fungi, bryophytes, veteran trees, crayfish and birds. Survey reports were produced and taken to the site selection panel. The full detail of these is in appendix II.

Highlights from the LWS surveys

This year TVERC carried out surveys of 55 existing and proposed Local Wildlife Sites in Oxfordshire and Berkshire. Thanks to the help of our volunteers, specialist species group, surveys were also completed on several sites including bird, butterfly and general invertebrate surveys. Most of the species data has now been entered, with over 6,000 records added.

These included Willow meadows which is a species-rich wetland beside the Shill Brook at the western edge of Carterton. Surveys carried out in May and July this year found a good range of wildflowers including meadowsweet, black knapweed, common marsh-bedstraw, greater bird's-foot trefoil and tufted vetch. They also have purple moor-grass which is a less common species in Oxfordshire. The site provides habitat for birds including reed bunting, with 26 bird species recorded during the site visit in May.

We surveyed Wigwell in Charlbury on a rainy day in August. The site is known for its population of meadow clary but the grassland is species-rich also including field scabious, lady's bedstraw, meadow vetchling, salad burnet, bird's-foot-trefoil, common restharrow and burnet saxifrage.

A joint survey of North Leigh Common with the Wychwood Flora Group updated our records for the areas of acid grassland that have been restored on the site and found the Oxfordshire Rare Plant Register species trailing St. John's-wort. Acid grassland is a rare habitat in Oxfordshire and this area included a range of typical species such as heather, common centaury, heath bedstraw, tormentil and heath speedwell.

Over in Berkshire we surveyed a range of number of woodland sites from woodlands to wetlands and grasslands. Sites of importance to local wildlife come in all sorts of guises:

- Long established habitats such as the ancient woodlands we visited in Bracknell to young sites (in the grand scheme of ecology) such as Thames Valley Park that over recent decades has been restored from industrial land use into a high wildlife value nature reserve.
- Small sites such as the Road Side Nature Reserves we surveyed in West Berkshire to large floodplains and parks in Reading and Wokingham.
- Highly species diverse single habitats such as chalk grassland to diversity of habitats in former parkland in the Royal Borough of Windsor and Maidenhead.

No matter what guise the LWS comes in it is always of high local importance to the wildlife and often the human population too, be that local residents, college students, business park employees or visitor to Berkshire!

10. Supporting Recorders & Volunteers

TVERC are fortunate to get the help of volunteers to carry out some data processing, species recording and site surveys. In 2014/15, volunteers carried out 8 days of specialist surveys on Local Wildlife Sites. We also rely on help from volunteers to manage and input data into our database. In 2014/15, office volunteers carried out 69 days of data management. If this work had been carried out by paid staff, it would have cost TVERC £6,900¹.

Volunteer recording groups

Much of the data in the TVERC database comes from volunteer recorders and so supporting them is an essential part of the work TVERC carry out. We provide technical support for recording groups who are collecting and analysing data across Oxfordshire and Berkshire. In 2014/15, TVERC provided assistance to Oxfordshire Rare Plants Register to carry out data management and maps for the forthcoming publication.

Recording & Training Events

Working with other wildlife organisations, TVERC organise a local Recorders Conference to share information amongst volunteer recorders and increase their knowledge so they can provide us with even better data. We also provide training courses and talks to local groups. In 2014/15, TVERC carried out the following talks and training events:

- Fascination of Plants, Harcourt Arboretum (May 2014)
- Shotover Wildlife Conference (May 2014)
- Oxford Festival of Nature (June 2014)
- BS42020 Planners Workshop (October 2014)

TVERC staff attended the following events to keep up with current conservation issues and to promote TVERC and the importance of biodiversity data:

- CIEEM Biodiversity Offsetting (April 2014)
- Mammal Society Conference (May 2014)
- Remote Sensing Conference (June 2014)
- Natural England NELMS meetings and workshops (July 2014)
- Chilterns AONB Planning Conference (October 2014)
- Wild Oxfordshire 2014 & Beyond (October 2014)
- West Berkshire Living Landscape (December 2014)
- Biodiversity CTA Meeting (November 2014)
- Berkshire Local Nature Partnership Exec Board, Ecological Networks Working Group and Fundraising Working Group (several dates)
- National Biodiversity Network conference (NBN) (November 2014)

¹ An equivalent paid job would be £17k per annum, the 'on-costs' increase that to £21,400. That is equivalent to a daily rate of £100 (assuming 215 working days in the year) and hourly rate of £13.50

- Association of Local Government Ecologists conference (ALGE) (February 2014)
- Association of Local Environmental Records Centres conference (ALERC) (October 2014)
- London & South East Record Centres meetings (several dates)
- Wychwood Forest Fair (September 2014)

Berkshire Recorders and LNP Conference: Life Along Berkshire's Rivers

Following the success of last year's joint conference with the Berkshire LNP we decided to once again join forces with the LNP and The Oracle. In the morning the LNP launched 'The Natural environment in Berkshire: Biodiversity Strategy 2014 – 2020' followed by a talk on Climate Change and Nature. As ever the workshop sessions provided much discussion, this year focusing on 'Working Towards a Shared Vision', with groups considering how we can increase habitat connectivity by encouraging targeted habitat creation in the Berkshire's Biodiversity Opportunity Areas and how to create ways to record the flow of benefits and services that nature provides. Over lunch delegates had an opportunity to network and view the displays put up by various local natural history groups in Berkshire.

After an initial update on what's been recorded in Berkshire in the last year and the news that TVERC online recording is now live the afternoon saw a series of talks centred around Berkshire's rivers. Todd from Thames Valley Park kicked off the afternoon demonstrating the importance and value of the nature reserve in the park to wildlife and employees. Lesley then gave an overview of a successful project engaging with a wide diversity of people, along the River Lambourn in. Every conference should have a charismatic character – this year it was Ratty the water vole brought to us by Julia at BBOWT with an overview of his ecology and status in Berkshire. The day ended with Thames Water providing an array of interesting information of the importance of water and its associated ecology to the region.

Oxfordshire Recorders Conference

TVERC, with invaluable support from Judy Webb, the Ashmolean Natural History Society of Oxfordshire, Wild Oxfordshire, BBOWT and Shotover Wildlife, held a successful event for Oxfordshire's recorders on 28th March 2015. The event was held at the Oxford University Museum of Natural History, a fascinating place in its own right which was much enjoyed by the 70 people who attended.

The theme was '**Recording the invisible**' and we started with an enthusiastic and informative talk by Judy Webb about seed banks and the difficulty of recording 'buried long-dormant seed' plant species. Ken Betteridge then described the work that he and others have done with downy woodpecker in the west of Oxfordshire. David Wilding then showed us how remote monitoring techniques including cameras and data loggers have been used to monitor the impacts of ground predators on nesting waders at Otmoor. In his talk about moth recording, Paul Waring explained how synthetic pheromones can be used to trap moths by mimicking the pheromones released by female moths. The last talk of the morning was from Jeremy Biggs, with a thought-provoking exploration of the potential for e-DNA, which is already being used to detect the presence of great-crested newts in fresh waters.

The afternoon speed updating session proved popular as ever, with updates from 11 participants. The updates were about Wild Oxfordshire; the Oxfordshire Biodiversity Strategy for 2020; recording of invasive

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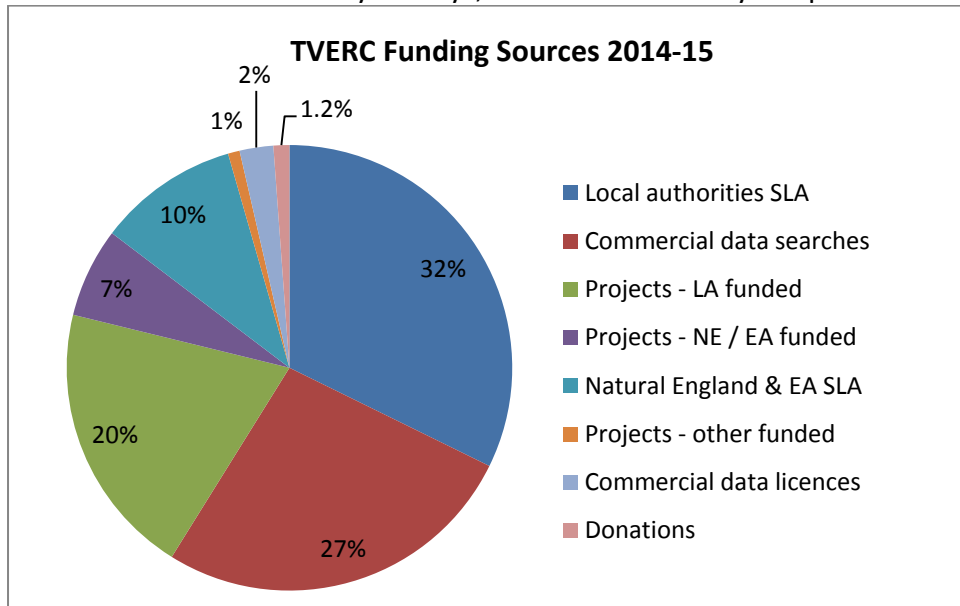
species; Save our Magnificent Meadows; Oxfordshire Pollinator Advisory Group; the Fungus Survey of Oxfordshire; TVERC's online recording system; the Oxfordshire Mammal Group; Oxfordshire Rare Plants Register; the BSBI 2020 atlas; Shotover Wildlife; and clearwing moth recording.

For the last part of the afternoon, people had the opportunity to attend one of four workshops. Darren Mann entranced his group with a tour of the museum's Hope Entomological Collections. Stephen Ellwood gave a very successful masterclass on using radio-tracking. There was lots of discussion in a workshop by Debbie Lewis on use of monitoring results to influence conservation. Merryl Gelling gave a demonstration, with many examples, of the signs left by mammals in a workshop on 'Poo, prints and more'.

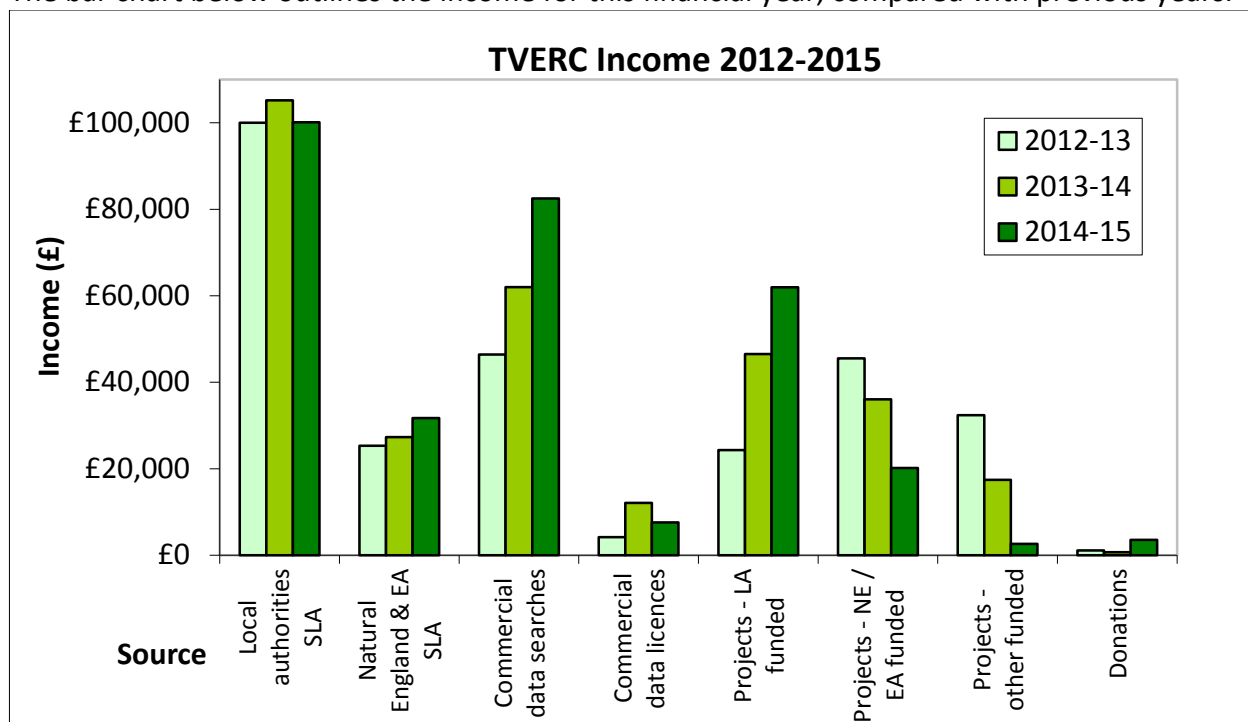
11. Finance

Sources of funding

TVERC is funded in a variety of ways, as demonstrated by the pie chart below.



The bar chart below outlines the income for this financial year, compared with previous years.



Finance summary

In comparison with last year, the income from data searches and projects funded by local authorities has increased. Donations also increased as this includes money from the TVERC Training Programme courses. Data licences decreased slightly as Thames Water reduced the data provision they required and therefore we reduced the amount that we charged.

The biggest expenditure is on staff salaries. However, staff time is also the biggest asset TVERC has, as it's the staff time spent on projects, data searches and data licences which bring in the income. Staff expenditure increased slightly this year due to covering Camilla's maternity, paying Lucy an honorarium to step up as acting Director, as well as paying for a temporary projects manager on a one year contract.

The expenditure under contractors was higher this year to pay for outside organisations to undertake elements of project work that we were unable to do in house, i.e. georectifying tithe maps, obtaining the tithe maps and paying for training venues to run the TVERC Training Programme. However, these costs were covered by income from Natural England grants.

Despite this additional expenditure, we ended 2014-15 with a net surplus of £45.7k, which will be re-invested into the TVERC service.

TVERC Finances	Year		
	2012-13	2013-14	2014-15
Income			
Local authorities SLA	£100,024	£105,188	£100,130
Natural England & EA SLA	£25,333	£27,333	£31,724
Commercial data searches	£46,424	£62,015	£82,520
Commercial data licences	£4,200	£12,100	£7,596
Projects - LA funded	£24,333	£46,516	£61,955
Projects - NE / EA funded	£45,540	£36,055	£20,187
Projects - other funded	£32,381	£17,427	£2,628
Donations (for data searches)	£410	£240	328
Donations (for Recorders Conference)	£716	£485	3245
Income total	£279,360	£307,359	£310,313
Expenditure			
Staff (salaries, expenses, training)	£197,378	£215,633	£239,337
Contractors	£12,170	£2,580	£16,710
Overheads (equipment, printing, postage, subscriptions)	£2,659	£1,190	£6,325
Premises (paid 'in kind' by OCC)	£16,500	£16,500	£16,500
Recorders Conference	£296	£880	£434
Investment in service (data tools, website etc.)	£3,000	£0	£1,771
Expenditure total	£232,003	£236,783	£264,575
NET TOTAL	£47,357	£70,575	£45,738

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Balancing account

Due to Oxon CC accounting rules, the Business account must balance to £0 at the end of each financial year. Therefore any money received more than one year in advance is kept in the Balancing account. Any underspend or overspend at the end of each financial year is moved into or out of the Balancing account. The TVERC Reserve is also kept in the Balancing account.

The TVERC Reserve is held for unforeseen circumstances and to cover any redundancy liabilities plus two months running costs. The running costs should comprise of staff costs and overheads (e.g. salaries, expenses, training, equipment, printing, postage, subscriptions).The Reserve would allow TVERC to move to a different host organisation or become independent should the need arise.

As of 2012/13, the reserve required was calculated to be £64k, based on redundancy costs of £30k plus monthly running costs of £17k. This was achieved by the end of 2012/13 and will be increased by 5% each year to cover the rising costs of staff salaries (and therefore potential redundancies) and inflation.

Reserve / Balancing account	2012-13	2013-14	2014-15
Balancing account at end of previous year	£154,165	£114,280	£153,480
Amount taken out of balancing account*	£87,242	£31,375	£65,026
Amount put into balancing account**	£47,357	£70,575	£45,738
Balancing account at end of current year	£114,280	£153,480	£199,218
Minimum required Reserve	£64,000	£67,200	£70,400
Unallocated money in balancing account	£50,280	£86,280	£128,818

* Project money which was received in one year but will be spent in the following year, so had to be held in the balancing account.

** Money to be put in or taken out of Balancing Account to ensure Business Account = 0.

Appendix I – Datasets added to TVERC database 2014/15

Datasets	Data log number	Number of Records
European eel records collected through electrofishing surveys in West Thames Area watercourses, 1992-2010	12-102	169
Padworth Gully 1980 Ancient Woodland Survey Jean Buchanan (not on Recorder)	13-022	110
Mowbray Fields Management Plan	13-030	9
Sandleford Park survey	13-031	338
Berks Beetle records - Lloyd Garvey 2009-2010	13-034	343
Sandra Parkinson Fungi Survey of Hardwick Wet Meadow 2006	13-052	15
Oxfordshire black hairstreak records, 2012	13-060	10
Rare Plants Group data for Apium repens for Binsey Green and North Hinksey OPT meadow	13-080	201
Radley Large fungal data	13-081	28
Survey of Meadows near Charlton on Otmoor	13-088	125
Phase 1 Survey of The Steeds, Faringdon	13-092	4
GCN refresher survey of Wicklesham Quarry	13-102	13
Butterfly Conservation records 2000-2011	13-127	1210 + 29,912
Lye Valley North Fen, plant transect records 2012 plus some 1989 vegetation maps	13-129	107
Downy Woundwort records	13-130	1
Incidental mammal records from 2007	13-143	32
Violet helleborine record	13-147	2
Dragonfly records 2005, Ken Crick	13-148	89
GCN licence return - Mike Turton	13-151	1
GCN licence returns - various consultants	13-152	17
Consultants GCN licence return, two sites near Banbury	13-153	4
Highways Agency records A34, M4 (2012)	13-157	87
Ecological Report for Tetsworth	13-158	13
Birds, butterflies, tree bumblebee records	13-160	
Ecological survey reports, GCN & Reptiles (Maidenhead)	13-161	15
Ecological appraisal report of Jays Farm, Checkendon, South Oxon. Includes records of bat droppings	13-181	3
GCN licence return for site at Aldermaston	13-182	1
GCN licence return with records from Witney	13-183	2
BBOWT water vole 2012 records	13-184	691
Sium latifolium in Marston Meadows - Judy Webb	13-190	1
GCN record for Brize Norton	13-191	1
Fungus records for Milham Ford to 2013	13-192	766
Student MSc dissertation & raw excel data contains amphibian records inc GCN records	13-193	137
Judy Webb records for Port Meadow & Wolvercote Common and ditches	14-004	628
GCN licence return Ardley Landfill, carried out in 2013 by Wardell Armstrong LLP	14-007	1
Cherwell Swifts 2013 nest records	14-012	172

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Furzehill Pits LWS management plan. Species records appear to be for grassland to the west of LWS	14-014	181
Invertebrate records from back garden & from Sutherland Grange, Windsor	14-015	204
Ecological monitoring report for Padworth Integrated Waste Management Facility	14-016	37
NE Bat roost records final quarter 2013	14-020	5
Incidental records from Wildlife in Ascot group mostly birds includes badger and bat records	14-022	106
GCN survey results for 2 ponds in Crowthorne forest	14-025	4
Annual newsletter from Abingdon Naturalists Society, contains species lists from visits of bats, plants, birds, fungi, reptiles, invertebrates and bioblitz records from Radley Lake	14-026b	259
Loddon Lily survey 2012/3 - Mick Crawley	14-027	
Oxford Meadows SAC Records Yarnton & Pixey mead etc. Mostly 2010-2013, some older.	14-030	682
Hymenoptera records from Oakham Quarry 2013	14-031	130
Milham Ford aquatics verts and invert only	14-035	118
Chilswell Valley invertebrate, plant and fungi records	14-036	357
Raleigh Park LWS records 2011-13	14-037	93
Reports for sites around Grove and East Challow (wilts and berks canal) Includes great crested newt survey data	14-044	
Martson hamm Surveys	14-045	288
Oxfordshire bat records from Jon Russ (Ridgeway Ecology)	14-050	23
Bat Report for Garage at Upper Basildon	14-053	1
Berkshire Beetle records	14-054	164
EPR records for Wantage (bats and bird records)	14-055	5
Otter and Great Egret Record from Turnstone Ecology	14-056	2
Amphibian and bird records	14-057	10
NE Bat roost records Quarter 1 2014	14-058	6
Campions - Henley Park - Daylight Bat Survey	14-059	2
Willow Walk Meadows 40Y05 plus two adjacent non LWS fields. 2010 LWS survey	14-060	157
Phase 1 habitat and protected species survey for Banbury Country Park 2010	14-061	24
Habitat survey - Broughton Road	14-064	45
Ecological Appraisal of Land East of Warwick Road	14-067	4
Phase 1 Survey of Land West of Warwick Road	14-072	47
Survey of Dean's Ham meadow, North Hinksey, Oxford	14-073	78
Grape hyacinth records from Chadlington, 2014	14-074	14
Incidental records received by TVERC Oct 13 to May 14	14-081	54
Barn at Thorpe Farmhouse, Aston Upton. Bat and nesting bird survey	14-082	9
Bat survey of AGENTS COTTAGE, YOULBURY	14-083	1
Two bat roost records from EDP consultancy	14-085	2
Daylight Bat Survey of Ash Farm, Upper Bolney, Harpsden	14-087	1
Bat Survey of Henwood Cottage	14-088	4
Bat Report - Cornerways (Stanton St Jon)	14-090	1
Kings Copse Survey - Dick Greenaway	14-091	120
Bat records for Sutton Courtenay from The Landscape Partnership	14-093	3
Harvest mouse records for Sheepdrove Farm, Lambourn	14-094	58
Bat records for Puddle End Farmhouse, North Leigh	14-096	6
Brown long eared bat roost record from site in Lower Basildon	14-097	1

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Coleopteran records from sites around Windsor in 2013	14-098	35
Extended Ph1 survey for Land at Towersey Road, Thame - bat, badger & bird records	14-099	5
Bat records from BSBBG for 2013	14-101	165
Incidental mammal records from	14-102	12
Records from Bracknell Forest DC Biodiversity Officer- LBAP plant species, birds, amphibians	14-104	17
Records of protected species birds, one bat records and a plant record around Dorchester on Thames	14-105	10
Several reports for Thrupp (Radley GPs) - otter report, watervole report, GCN report, Phase 1 report, Phase 2 report	14-108	11
Bat report from Arbtech for Woodside Cottage, Frilford Heath, Abingdon	14-109	1
Bat survey and mitigation report from Windrush Ecology for Herons Hill, Shiplake	14-110	1
Ph1 and Bat survey report from EDP for Greenwood Ave, Chinnor	14-111	25
Ext Ph1 Ecology Report Grove Solar Park inc Ph1 habitat survey, bat records, badger records, bird record	14-112	37
Ecological Appraisal report Howland Rd, Thame includes bats, badgers	14-113	16
Water vole & Otter Ecology report for Station Rd, Grove	14-114	4
Reptile survey report land off rectory farm close, west hanney - no reptiles found but some common frog found	14-115	1
Bat & Nesting Bird survey report for Rangers Lodge, Shotover	14-116	3
Bat survey report Old Rectory, Easington	14-117	4
Ecological Appraisal report for contains, bat, reptile, botanical & bird records for Land at Chinnor	14-118	6
Bat survey report for Marywood House, Oxford	14-121	5
Bat Survey of Barn Cottage, Exlade Street, Checkendon	14-122	6
Bat survey of Bradshaws, Middle Aston	14-124	1
Sandra Parkinson records for Hardwick Wet Meadow LWS and Lower Knights	14-127	7
Basildon Park Bat Record (Licence application)	14-128	1
NE Bat Roost records 2nd Qtr 2014	14-129	8
Road Verge Nature Reserve survey species list	14-133	979
Hinksey Hill pyramidal orchid survey 2014	14-136	14
Hurley Boreholes Bat survey records	14-143	44
Bat survey report Denham Cottage, Roke	14-145	4
Thame Ecology report - several reports in one inc Bat, Badger, Reptile, Bird reports	14-146	98
Upwood Park bat report	14-147	2
Great crested newt ecological survey report Longcot Road, Shrivenham	14-151	32
2013 records from Michael Woods Associates	14-152	36
Bat Survey Report for Wheatfield House	14-153	9
Bat report - The Star Works, Checkendon	14-154	3
Bat Report - Bowers Farm, Wantage	14-155	4
Ecological survey report for Stanford Park Farm includes bats, owls and amphibians	14-157	12
Judy Webb records for Cothill Pitt and Hitchcopse South Sandpit	14-158	191
Update species lists for Cothill Pitt and Hitchcopse South Sandpit.	14-160	82
Bat survey report for Bottom Farmhouse, Goring Heath	14-161	3
Records from Bracknell Forest. Summer 2014	14-164	5
Land to the West of Stockham Farmhouse, Wantage	14-166	22

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Bat Scoping Survey of site at Lower Shiplake	14-167	
Binfield Badger Group sett & RTA records	14-168	346
Great crested newt survey report Grange Court, Abingdon	14-171	7
Great crested newt licence return has one record in Oxfordshire	14-172	1
Cherwell Swifts 2014 nest records	14-173	103
Bat Survey & Bat Mitigation for Cornerways Stanton St John	14-174	8
GCN record for Didcot (Licence return) Dominic Farmer	14-175	1
Bat and dormouse survey of land at Thames Farm, Shiplake	14-178	7
GCN Licence return - Sam Watson (Bioscan)	14-181	1
GCN Licence return - Marion McNair	14-182	6
Ecology Survey Reports Bere Court Farm, Pangbourne x2	14-187	9
Ph 1 Survey & Breeding Bird Survey Reports West of Stockham	14-189	54
Harwell Science Campus Biodiversity Compensation Strategy report and Reptile/amphibian survey report	14-191	35
GCN licence return Benjamin Goodger	14-194	5
GCN licence return Piran Borlase-Hendry	14-195	7
GCN licence return Michael Jennings	14-196	2
Bat report for Grey Lodge, Bix	14-198	6
Bat survey report Riviera, Shiplake	14-201	6
Spotted flycatcher and Bat sightings	14-202	7
Bat records	14-203	2
Oxfordshire Bat Records from Ted Bodsworth (Windrush Ecology)	14-205	24
Otmoor Fen Violet Field Survey 2014 - Judy Webb	14-206	113
GCN licence return - Steve Ord	14-207	5
Invertebrate records	14-209	173
Bat survey report for Ferry Cottage, Lower Shiplake	14-210	2
Phase 2 Bat and Reptile Survey report Land off School Rd, Chieveley	14-213	7
Bat roost records from Bernwood ECS for Chilton Fishing Lodge, R. Kennet	14-214	2
GCN records from Peasmoor Piece, Headington	14-215	2
Bat report for Land to the west of Wallingford	14-217	6
GCN records from Mark Satinet at 4-Acre Ecology for 2014	14-219	76
Mammal and invert 2013-14 records from Des Sussex	14-223	67
Phase 1 & 2 Bat survey report - Folly Cottage, Lower Inkpen	14-224	9
Ecological Assessment of 333 Banbury Rd, Oxford	14-229	3
GCN Return from AEWC	14-230	1
Bat scoping survey of Well House, Watington	14-233	2
Beetle Records for trap grounds scrub	14-234	85
Signal Crayfish record for Wroxton Abbey - Daryl Buck EA	15-008	1
Bracknell Forest Council records - last quarter 2014	15-014	80
Pond invertebrate records for Rivermead Nature Park	15-019	48
Invertebrate records for Medley Manor Wood 2006	15-020	10
Fungus records Pinsley Wood	15-023	67
Fungus records Cogges Wood	15-024	19
Fungus records Nettlebed Common	15-025	78
Brown hairstreak egg records from Northern gateway Fields	15-027	3
Fungi records for Besselsleigh Wood	15-028	60

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Harvest mouse nest records - Chimney meadows	15-030	100
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Datasets acquired in 2014/15

Dataset description	Location
Spaghnum records for various sites in Oxfordshire	Oxfordshire
Reading Old Cemetery Reptile Survey 2013	Reading
Bat Report for Garage at Upper Basildon	Reading
Berkshire Beetle records	Berkshire
EPR records for Wantage (bats and bird records)	
Otter and Great Egret Record from Turnstone Ecology	Cherwell
Amphibian and bird records	
NE Bat roost records Quarter 1 2014	Oxfordshire & Berkshire
Campions - Henley Park - Daylight Bat Survey	South Oxfordshire
Willow Walk Meadows 40Y05 plus two adjacent non LWS fields. 2010 LWS survey	Oxford City
Phase 1 habitat and protected species survey for Banbury Country Park 2010	Cherwell
Habitat and badger survey of Bankside, Banbury	Cherwell
Habitat survey - Bodicote Glebe (not much species data)	Cherwell
Habitat survey - Broughton Road	Cherwell
Habitat and species surveys of Banbury & N. Cherwell Site Allocations	Cherwell
Ecological Appraisal, Crouch Farm, Banbury, 2009	Cherwell
Ecological Appraisal of Land East of Warwick Road	Cherwell
Ecological Appraisal of Salt Way	Cherwell
Ecological Appraisal of Land East & West of Southam Rd, Banbury	Cherwell
Extended Phase 1 survey of Spiceball Development Area	Cherwell
Extended Phase 1 survey of Land to the West of Bretch Hill (including plant species lists)	Cherwell
Phase 1 Survey of Land West of Warwick Road	Cherwell
Survey of Dean's Ham meadow, North Hinksey, Oxford	Oxford City
Grape hyacinth records from Chadlington, 2014	West Oxfordshire
Ecological assessment of Land at Promised Land Farm, Bicester (May 2013)	Cherwell
Ecology feasibility assessment, Skimmingdish Lane, Bicester (2013)	Cherwell
Phase 1 Habitat survey for Bicester Eco Town	Cherwell
Phase 1 Habitat survey for South East Bicester	Cherwell
Habitat survey for South West Bicester	Cherwell
Habitat and species surveys for Land South of Langford Lane, Kidlington	Cherwell
Incidental records received by TVERC Oct 13 to May 14	Oxfordshire & Berkshire
Barn at Thorpe Farmhouse, Aston Upthorpe. Bat and nesting bird survey	South Oxfordshire
Bat survey of AGENTS COTTAGE, YOULBURY	Vale of White Horse
BBOWT database extraction	Oxfordshire & Berkshire
Two bat roost records from EDP consultancy	Cherwell
Seacourt Nature Park meadow	Oxford City
Daylight Bat Survey of Ash Farm, Upper Bolney, Harpsden	South Oxfordshire
Bat Survey of Henwood Cottage	South Oxfordshire
Jodie and Valerie Smith Records	West Berkshire

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Bat Report - Cornerways (Stanton St Jon)	South Oxfordshire
Kings Copse Survey - Dick Greenaway	West Berkshire
Moor Green Lakes Annual Report 2012 for bird, plants, inverts, reptiles and small mammals recorded in the reserve in 2012	Berkshire
Bat records for Sutton Courtenay from The Landscape Partnership	Oxfordshire
Harvest mouse records for Sheepdrove Farm, Lambourn	Berkshire
Plant, bird, amphibian records for site in Horton cum Studley	Oxfordshire
Bat records for Puddle End Farmhouse, North Leigh	Oxfordshire
Brown long eared bat roost record from site in Lower Basildon	Berkshire
Coleopteran records from sites around Windsor in 2013	Windsor and Maidenhead
Extended Ph1 survey for Land at Towersey Road, Thame - bat, badger & bird records	Oxfordshire
Broadmoor Hospital Botanical Survey & Impact Assessment report 2011	Berkshire
Bat records from BSBBG for 2013	Berkshire
Incidental mammal records from	Oxfordshire & Berkshire
Botanical data plus some inverts, birds & mammals from Deans Ham from Judy Webb (this is duplicate data)	Oxfordshire
Records from Bracknell Forest DC Biodiversity Officer- LBAP plant species, birds, amphibians	Bracknell
Records of protected species birds, one bat records and a plant record around Dorchester on Thames	Oxfordshire
Incidental records from Mark Leech Jan - Aug 2014 mostly birds, some frog records	Oxford City
Small mammal records from Cutteslowe Park Festival of Nature	Oxford City
Several reports for Thrupp (Radley GPs) - otter report, water vole report, GCN report, Phase 1 report, Phase 2 report	Oxfordshire
Bat report from Arbtech for Woodside Cottage, Frilford Heath, Abingdon	Oxfordshire
Bat survey and mitigation report from Windrush Ecology for Herons Hill, Shiplake	Oxfordshire
Ph1 and Bat survey report from EDP for Greenwood Ave, Chinnor	Oxfordshire
Ext Ph1 Ecology Report Grove Solar Park inc Ph1 habitat survey, bat records, badger records, bird record	Oxfordshire
Ecological Appraisal report Howland Rd, Thame includes bats, badgers	Oxfordshire
Water vole & Otter Ecology report for Station Rd, Grove	Oxfordshire
Reptile survey report land off rectory farm close, west hanney - no reptiles found but some common frog found	Oxfordshire
Bat & Nesting Bird survey report for Rangers Lodge, Shotover	Oxfordshire
Bat survey report Old Rectory, Easington	Oxfordshire
Ecological Appraisal report for contains, bat, reptile, botanical & bird records for Land at Chinnor	Oxfordshire
Orchid records from near Wargrave	Berkshire
Stag beetle record forwarded by BMERC includes photo likely to be Lesser Stag Beetle not Stag Beetle	Oxfordshire
Bat survey report for Marywood House, Oxford	Oxford
Bat Survey of Barn Cottage, Exlade Street, Checkendon	South Oxfordshire
RSPB Swift Nest Sites 2009-2013	Berks and Oxon
Bat survey of Bradshaws, Middle Aston	Cherwell
2013 moth survey of Foxburrow Wood by Martin Corley	West Oxfordshire

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Tree map of Raleigh Park	Vale of White Horse
Sandra Parkinson records for Hardwick Wet Meadow LWS and Lower Knights	South Oxfordshire
Basildon Park Bat Record (Licence application)	West Berkshire
NE Bat Roost records 2nd Qtr 2014	Oxfordshire
Habitat and GCN survey of Appleby House, Kingston Bagpuize	Vale of White Horse
Species records for Hitchcopse south sandpit; Cothill Pitt	Vale of White Horse
Species records for the Trap Ground scub area (outside LWS boundary)	Oxford City
Road Verge Nature Reserve survey species list	West Oxfordshire
Bat survey report for Satwell House, Rotherford Greys	South Oxfordshire
BBOWT monitoring forms for LWS from 1990s including some species records	
Hinksey Hill pyramidal orchid survey 2014	Oxford City
Fungus record, Horseshoe Lake	Bracknell
bat records for Stonor Park, Oxon	South Oxfordshire
BBOWT records for WV and Mink (outside reserves)	
Environmental Statement for Land at Chinnor Cement Works	South Oxfordshire
Ivan Wright Aculeate records 2013	West Oxfordshire
Benham Park Invertebrate survey and parkland management plan	West Berkshire
Hurley Boreholes Bat survey records	
Black hairstreak 2013 records	Oxfordshire
Bat survey report Denham Cottage, Roke	
Thame Ecology report - several reports in one inc Bat, Badger, Reptile, Bird reports	
Upwood Park bat report	
Glow worm records from Cumnor site 2013	
Salvia pratensis at Grintley Hill 2014	West Oxfordshire
Oxfordshire LWS survey data 2014	Oxfordshire
Great crested newt ecological survey report Longcot Road, Shrivenham	Vale of White Horse
2013 records from Michael Woods Associates	Oxon & Berks
Bat Survey Report for Wheatfield House	South Oxfordshire
Bat report - The Star Works, Checkendon	South Oxfordshire
Bat Report - Bowers Farm, Wantage	Vale of White Horse
Incidental mammal records includes hedgehogs and badgers	Oxfordshire
Ecological survey report for Stanford Park Farm includes bats, owls and amphibians	Vale of White Horse
Judy Webb records for Cothill Pitt and Hitchcopse South Sandpit	Vale of White Horse
Species data for the Trap Grounds covering the LWS and some data specific to the areas currently outside the LWS	Oxford City
Update species lists for Cothill Pitt and Hitchcopse South Sandpit.	Vale of White Horse
Bat survey report for Bottom Farmhouse, Goring Heath	South Oxfordshire
Stag beetle survey	Reading
Protected species report R. Stert, Harcourt Way, Abingdon	Vale of White Horse
Records from Bracknell Forest. Summer 2014	Bracknell
Extended Phase 1 Habitat Survey of Land to the south of Priory Lane, Marcham, Oxfordshire	Vale of White Horse
Land to the West of Stockham Farmhouse, Wantage	Vale of White Horse
Bat Scoping Survey of site at Lower Shiplake	South Oxfordshire
Binfield Badger Group sett & RTA records	Berkshire
Water vole sighting Wolvercote	Oxfordshire

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Badger sett record	West Oxfordshire
Great crested newt survey report Grange Court, Abingdon	South Oxfordshire
Great crested newt licence return has one record in Oxfordshire	Oxfordshire
Cherwell Swifts 2014 nest records	Cherwell
Bat Survey & Bat Mitigation for Cornerways Stanton St John	South Oxfordshire
GCN record for Didcot (Licence return) Dominic Farmer	South Oxfordshire
Recorder update from BBOWT to correct problems with records identified by NBN	All
NE Bat Roost records for Oxon & Berks 3rd Qtr of 2014	All
Bat and dormouse survey of land at Thames Farm, Shiplake	South Oxfordshire
Bat emergence & re-entry survey, Henley Park	South Oxfordshire
GCN Licence return - Rob Gray	Oxfordshire
GCN Licence return - Sam Watson (Bioscan)	Oxfordshire
GCN Licence return - Marion McNair	Bracknell
GCN Licence return - Stephanie Clive	Oxfordshire
Bat roost record from Sarah Postlethwaite OCC	West Oxfordshire
Odonata records River Cole	Vale of White Horse
2 bat survey reports for Hill Farm, Shennington	Oxfordshire
Incidental sighting from Daniel Messer - birds of prey and badger record near Banbury	Cherwell
Ecology Survey Reports Bere Court Farm, Pangbourne x2	
Ph 1 Habitat Survey Report Land west of Bessels Way, Blewbury	
Ph 1 Survey & Breeding Bird Survey Reports West of Stockham	
Ext Ph1 Ecology Report Little Lane Orchard, Steventon	
Harwell Science Campus Biodiversity Compensation Strategy report and Reptile/amphibian survey report	Berkshire
GCN licence return Jeff Moxam	Oxfordshire
GCN licence return James Watkins	Oxfordshire
GCN licence return Benjamin Goodger	Oxfordshire
GCN licence return Piran Borlase-Hendry	West Berkshire
GCN licence return Michael Jennings	Oxfordshire
GCN licence return Haley Dolton	
Ext Ph1 ecology report Sandford Weir	Oxfordshire
Bat report for Grey Lodge, Bix	South Oxfordshire
Ecological Assessment report for Land Between 79 Cumnor Hill and 1 Delamare Way, Cumnor	Oxford
Great crested newt records	West Berkshire
Bat survey report Riviera, Shiplake	South Oxfordshire
Spotted flycatcher and Bat sightings	Oxfordshire
Bat records	West Berkshire
Ecology records from JBA Consulting	
Oxfordshire Bat Records from Ted Bodsworth (Windrush Ecology)	Oxfordshire
Otmoor Fen Violet Field Survey 2014 - Judy Webb	South Oxfordshire
GCN licence return - Steve Ord	Berkshire
Downy Woundwort Saltway 2014	West Oxfordshire
Invertebrate records	Berkshire
Bat survey report for Ferry Cottage, Lower Shiplake	South Oxfordshire

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Aprium repens reports Port Meadow and North Hinksey meadow introduction site	Oxford City
Ecological Appraisal Proposed Solar Farm site at Cholsey	Oxfordshire
Phase 2 Bat and Reptile Survey report Land off School Rd, Chieveley	Oxfordshire
Bat roost records from Bernwood ECS for Chilton Fishing Lodge, R. Kennet	West Berkshire
GCN records from Peasmoor Piece, Headington	Oxford City
Records return from JBA Consulting	Oxfordshire
Bat report for Land to the west of Wallingford	South Oxfordshire
Bat Survey for Ferry Cottage, Lower Shiplake (duplicate of 14-210)	South Oxfordshire
GCN records from Mark Satinet at 4-Acre Ecology for 2014	Oxfordshire
Hitchcopse South Sandpit - more Judy Webb data and other inverts from Richard Comont & Ivan Wright	Vale of White Horse
East Hanney orchard incidental species records	Oxfordshire
Butterfly survey of North Leigh Common 2012-2014	West Oxfordshire
Mammal and invert 2013-14 records from Des Sussex	Berkshire
Phase 1 & 2 Bat survey report - Folly Cottage, Lower Inkpen	West Berkshire
Sally Wallington Comments Biodiversity East Hanney Orchard	South Oxfordshire
Bird life Langford Meadows, Kidlington 1997-8 John Brucker	Cherwell
Letters from Peter Sheasbury and Jo Dunn including species records for Berryfield Farm	West
Rare arable flora survey 2000 Susanna Kay and Steve Gregory	Oxfordshire and Buckinghamshire
Ecological Assessment of 333 Banbury Rd, Oxford	Oxford City
GCN Return from AEWG	Berkshire
Thames Water records 2013-2014	Oxfordshire & Berkshire
Bat record submitted by Richard Dodds	West Berkshire
Bat scoping survey of Well House, Watlington	South Oxfordshire
Beetle Records for trap grounds scrub	Oxford City
Bird and dragonfly records for Shellingford Pit	Vale of White Horse
Bat survey of site on Banbury Rd, Oxford	Oxford City
Bat survey report post works Ferrises, Upper Woolhampton	West Berkshire
Bat survey report A339/Flemming Rd junction Newbury	West Berkshire
Ecological Appraisal The Grotto House, Lower Basildon	Reading
Moth records for garden in Merton from Linda Murphy	Cherwell
Oxfordshire 2013 & 2014 records from GBAE consulting	Oxfordshire
Woodside Horse Gate ride Bat records and ecology letter	Windsor and Maidenhead
Signal Crayfish record for Wroxton Abbey - Daryl Buck EA	Cherwell
NE Bat roost records 4th quarter of 2014	Berkshire & Oxfordshire
Ecology report for Cothill Pitt/Hitchcopse south sandpit	Vale of White Horse
Otter sightings from IOSF Sept 2013 - Oct 2014	Oxfordshire
Aston Rowant 2014 Herp, mammal and moth data	South Oxfordshire
Berkshire Bird Records 2009-2012	Berkshire
Bracknell Forest Council records - last quarter 2014	Bracknell
2014 records from Michael Woods Associates	Oxon & Berks
Bat survey report Hollycroft, Padworth Common	Berkshire
Bat survey report, Withers, Inkpen	Berkshire
GCN licence return	Oxfordshire

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Pond invertebrate records for Rivermead Nature Park	Oxford City
Invertebrate records for Medley Manor Wood 2006	Oxford City
Windsor beetle records 2014 - Tom Harrison	Bracknell
Species records from peak Ecology	South Oxfordshire
Fungus records Pinsley Wood	West Oxfordshire
Fungus records Cogges Wood	West Oxfordshire
Fungus records Nettlebed Common	South Oxfordshire
Records input via the TVERC online recording page	Oxfordshire and Berkshire
Brown hairstreak egg records from Northern gateway Fields	
Fungi records for Besselsleigh Wood	Vale of White Horse
Bat survey at 13 Lakeside, North Oxford	Oxford City
Harvest mouse nest records - Chimney meadows	West Oxfordshire
Bat box check records for Reading University	Reading
Several ecological survey reports for Dog rehoming Centre, Newbury includes badger, newt and bat records	West Berkshire
Siege Cross, Thatcham Badger Activity Survey Report	West Berkshire
Botanical records including purple milk vetch from Water Eaton Park & Ride	Oxfordshire
John Lepiniere invertebrate and botanical records from 2014	Berkshire
Black hairstreak 2014 records	Oxfordshire
Amphibian and bat records for sites in Berkshire 2013-14 from Greenspace Ecological Solutions	Berkshire
Records from MLM Ecology for 2014	Oxfordshire and Berkshire
Bat Licence return with data from sites in Berkshire	Berkshire
Bryophyte Surveys for 2 South Oxfordshire Sites - Jacqueline Wright	South Oxfordshire
Roger Kemp Orthoptera records for Berks & Oxon	Oxfordshire and Berkshire
Ascot Wildlife group 2014 records	Windsor and Maidenhead
2014 Bats & Herptile records for Silwood Park from The Landscape Partnership	Berkshire
Judy Webb Nettlebed Common Bryophytes Survey report via Chilterns Conservation Board	South Oxfordshire
Bat records from Ahern Ecology	Bracknell
Incidental records from Tina Bailey mostly birds at Swinley Brick Pits	Windsor and Maidenhead
GCN record	Reading

Appendix II – Details of LWS surveys carried out 2014

Panel decision	Meaning
Retain	Existing LWS resurveyed and designation as LWS confirmed
Accept	Proposed LWS surveyed and designated as LWS
Deselect	Existing LWS resurveyed and de-designated as LWS
Reject	Proposed LWS surveyed and not designated as LWS
Deferred	Insufficient information to make decision e.g. further surveys required.

Oxfordshire 2014 Surveys

40 sites were taken to panel in January and February 2015.

Cherwell

Site name	Site code	Type of survey	Panel decision
37 Acre Field	51S01.4	Botanical	Retain
Begbroke Wood	41R03	Botanical	Retain
Bicester Airfield	52X10	Botanical	Accept (part)
Enslow Marsh	41Z02	Botanical	Deferred
Gavray Drive Meadows	52W01	Botanical	Deferred
Hayfield and Old River Bed	33W03	Botanical	Retain
Kidlington Meadows	41X02	Botanical & ornithological	Reject (part) / defer (part)
Meadow and banks above Quarry Spring Marsh	33W06	Botanical	Reject
Quarry Spring Marsh (extension to 33W03)	33W05	Botanical	Accept
Small Field, Paradise Farm	33W02	Botanical	Retain (as extension)

South Oxfordshire & Vale of White Horse

Site name	Site code	District	Type of survey	Panel decision
Dorchester Gravel pits complex	59X01	South Oxfordshire		Deferred
Dorchester Meadow	59R05	South	Botanical	Deferred

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		Oxfordshire		
Dyke Hills	59R04	South Oxfordshire	Botanical	Accept
Elmorepark Woodlands	68F07	South Oxfordshire	Botanical	Accept
Field at Shotover Hill	50T04	South Oxfordshire	Botanical	Reject
Lollingdon Hill	58S01	South Oxfordshire	Botanical	Retain
Nuneham Arboretum	59P03	South Oxfordshire	Botanical	Deferred
Reading Golf Course (east)	77D02/1	South Oxfordshire	Botanical	Retain
Sandford Brake	50Q07	South Oxfordshire	Botanical	Retain
South Stoke Marsh (south) and (north)	58W01	South Oxfordshire	Botanical	Retain
Blewburton Hill	58N01	Vale of White Horse	Botanical & butterflies	Retain
Blewbury Hill	58G03	Vale of White Horse	Botanical	Retain
Cockrow Bottom	38R06	Vale of White Horse	Botanical	Accept
Devil's Backbone	50C08	Vale of White Horse	Botanical	Reject
Egrove Park		Vale of White Horse	Botanical	Accept (part)
Hitchcose Sandpit South		Vale of White Horse	Various	For comment from Berkshire panel
Long Leys Farm Meadows	40M07	Vale of White Horse	Botanical	Retain
Nut Wood	38R01	Vale of White Horse	Botanical	Reject

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Radley Little Wood	50F04	Vale of White Horse	Botanical	Retain
Wetland south of Iffley Meadows	50G04	Vale of White Horse	Botanical	Accept
Wootton Meadow	40Q06	Vale of White Horse	Botanical	Accept

West Oxfordshire

Site name	Site code	Type of survey	Panel decision
Disused pit north of Standlake	30X05	Botanical	Reject
Hucks Copse	30D08	Botanical	Retain
Low Gorse	30D01	Botanical	Reject
Nethercott Meadow	42V06	Botanical	Retain
North Leigh Common	41B05	Botanical	Retain
Tackley Heath	42Q01	Botanical	Retain
Wigwell	32K27/2	Botanical	Defer
Willow Meadow	20S09	Botanical & ornithological	Retain
Wootton Jubilee Fields	41P09	Botanical	Retain

Partly in West Oxfordshire and Cherwell districts

Berkshire 2014 surveys

15 sites were taken to panel in March 2015. For some local authority areas, time was spent on finding landowner details and organising the landowner database rather than on carrying out surveys. This will ensure that permissions are more easily received for surveys in subsequent years.

Bracknell Forest

Site name	Site code	Panel decision
Bill Hill	SU86U01	Retain
Lily Hill (meadows only)	SU86Z01	Deselect
Nobbscrook Copse	SU97C02	Retain

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Seeby's Copse	SU86K02	Retain
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Windsor and Maidenhead

Site name	Site code	Type of survey	Panel decision
Hurley Chalk Pit Reserve	SU88B02	Botanical	Retain
Pigeonhouse Wood	SU88S02	Botanical	Retain
Silwood Park (incl. Cascade Bridge)	SU96P01	Botanical	Retain

Reading

Site name	Site code	Panel decision
The Cowsey	SU77F02	Retain

Slough

No new surveys were carried out.

Using the survey results from 2012 along with the existing master plan, TVERC wrote management prescriptions for Upton Court Park LWS, covering the site and the watercourse.

West Berkshire

Site name	Site code	Panel decision
Bucklebury Meadows	Proposed site	Deferred
Northcroft Meadow	SU46T01	Deferred
Pinewood Pits—Furze Hill	SU57C01	Retain/accept
Theale and Burghfield Gravel Pits complex	SU67K01	Retain/accept

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Wokingham

Site name	Site code	Type of survey	Panel decision
Arborfield Bridge Meadows	SU76P01	Botanical	Deferred
Thames Valley Park East	SU77M06	Botanical	Retain
Whiteknights Park	SU77F03	Botanical	Retain