

Title	Silwood Park species list from sighting records and research projects
General metadata	
Abstract	This list includes plant, animal and fungal species reported in long-term experiments, student thesis reports from 2016, and occasional observations in the field.
Keywords	Species diversity
Is this part of a larger study?	No
Individual: Primary contact	Catalina Estrada
Position	Ecological Analyst and Facility Manager
Address	Silwood Park, Buckhurst Road, Ascot, Berkshire SL5 7PY. United Kingdom
Organization	Department of Life Sciences, Imperial College London
Phone	+44(0)2075942217
Email address	c.estrada@imperial.ac.uk
Funding	NA
Data set status and accessibility	
Status	Ongoing
Latest update	January 2024
Latest archive date	January 2024
Metadata status	January 2024
Accessibility	
Storage location and medium	"Research group space: SilwoodLTE", Imperial College London, ICT department
Usage rights	Public
Geographic metadata	
Geographic description	The study site is Silwood Park Campus from Imperial College London, Buckhurst Road, Ascot, Berkshire SL5 7PY, United Kingdom. Silwood Park campus, with 78 ha, contains acid grasslands, scrubland, ancient woodlands and few decades old oak-dominated woodlands. Silwood Park experiences an average annual rainfall of 697mm with little seasonal pattern (1987-2019). Mean hourly temperature is 10°C with July max of 23 °C and February min of 1.2 °C (1987-2019).
Bounding coordinates	
Latitude	51.411
Longitude	-0.647
UK National grid	
Square	SU
Easting	94196
Northing	68866

Temporal metadata	
Temporal description	Species records include data from long-term experiments dating from 1992 to 2016. Animal species include data from undergraduate and master research projects from 2016 and occasional observations from 2015.
Begin	1992
End	Ongoing
Taxonomic metadata	
Taxonomic authority	
Type	Website
Author	National Biodiversity Network
Date	2024
URL	nbnatlas.org
General Information	
Taxonomic level	Wide Details in table SilwoodTaxa.csv
Methods metadata	
Data collection	<p>This list of records has been put together using different types of data sources.</p> <ol style="list-style-type: none"> 1. Long-term experiments (LTE): species recorded throughout the years are stated as present and no date or year for the record has been assigned. Specific records for these species can be found in each experiment specific data tables. Collectors from these records have been assigned to the principal investigator of the LTE. 2. Data collected from MSc and UG student short term research projects: a summary with total abundance for each species is given but methodologies differ widely. Only the year of collected record is given. Specific number, date and location for these records can be found in each experiment specific data tables for some projects 3. Monitoring: Data include different organized surveys done by groups with different intensity and duration. The year of the data collection is given. Additional data (locations, dates, abundance and collector of individual records) exist for some studies. 4. Sightings by individuals or organized groups in the campus. Most include specific location and dates. <p>Details of collectors table SilwoodCollectors.csv</p>
Quality control	<p>Expertise of collectors vary. Professor Mick Crawley has been directly involved in the collection and identification of plants in this list. Some species of carabid beetles collected by Gwen Page Roberts were identified by Dr. Maxwell Barclay, Collection Manager, Coleoptera and Hemiptera, Natural History Museum, London. Bird identification included in monitoring by BTO Frimley Group come from mist nest records by trained people.</p> <p>Curation of data files and creation of metadata has been done by Catalina Estrada since April 2020.</p>
Data table metadata	
Number of tables	2

	SilwoodSpeciesRecords.csv
	SilwoodTaxa.csv
	.csv, .txt

File name	SilwoodSpeciesRecords.csv		
Description	Species records		
Size	311KB		
Case sensitive	No		
Number of records	1619		
Number of attributes	17		
Orientation	Variables (attributes) included as columns		
Data table structure and attribute description			
Attribute name	Definition	Type	Attribute description
Record	Unique number given to each record	Integer	Nominal Min: 1 max: ongoing
Year	Year species was recorded	Date	Date: YYYY NA: not available
Date	Date species was recorded	Date	Date dd/mm/yyyy NA: not available
Latitude	Latitude: north-south position WGS84	Floating point	Geographic coordinate
Longitude	Longitude: east-west position WGS84	Floating point	Geographic coordinate
GridReference	Great Britain, National Grid (Ordnance Survey)	String	Geographic coordinate Two letters: SU Four to 10 digits
Location	Name or area inside Silwood Park campus where species was recorded	String	Nominal Names of fields as current Silwood Park map
Taxa	General group the species recorded belongs to	String	Nominal: Amphibian, Arachnid, Bird, Crustacean, Fungi, Insect: followed by order, Mammal, Reptile, Myxomycetes, Plant
CommonName	Common name given in England to species recorded	String	Common name using National Biodiversity Network Atlas (nbnatlas.org) NA: not available
SciName	Recorded species current scientific name	String	Scientific name using National Biodiversity Network Atlas (nbnatlas.org)
Count	Abundance of organisms of recorded species	String	Integer when number of individuals was recorded or "Presence" if abundance is not recorded of for multiple year data
Collectors	Code name for recorder	String	See full names and details in SilwoodCollectors.csv

Type	Type of activity that generated the record	String	Nominal Long-term experiment Sighting Monitoring UG_thesis MSc_thesis
Code	Code name of research project in Silwood Project files (for thesis, long term experiments and monitoring)	String	Text When code present data, metadata and final products of the research are available NA: no further data available
Ext-Database	Whether records are known to have been included in an external records database	String	Nominal BTO: British Trust of Ornithology TVERC: Thames Valley Environmental Records Centre The Mammal Society Rothamsted Insect Survey iNaturalist: www.inaturalist.org
Comments	Additional information for this record	String	Text

File name	SilwoodTaxa.csv, SilwoodTaxa.txt		
Description	Species recorded in Silwood Park (including species in this dataset) with supraspecific taxonomic classification		
Size	748 KB		
Case sensitive	No		
Number of records	12723 rows		
Number of attributes	5 columns		
Orientation	Variables (attributes) included as columns		
Data table structure and attribute description			
Attribute name	Definition	Type	Attribute description
SciName	Recorded species current scientific name	String	Scientific name using National Biodiversity Network Atlas (nbnatlas.org)
taxon	Organisms taxonomic rank	String	Nominal species, species hybrid, species aggregate, genus, generic hybrid, family, order, class, phylum, subphylum, kingdom, species hybrid.
name	Taxonomic rank classification	String	Text
id	External identification code for the taxon	String	16- character string comprising a six-letter prefix and a running series of ten digits. NHMSYS prefix for keys assigned by Natural History Museum

			NBNSYS prefix for keys created by JNCC BMSSYS prefix for keys assigned by British Mycological Society NA: not available
id_type	Name of external database where id is collected	String	Text nbn: National Biodiversity Network Atlas (nbnatlas.org) Many no UK native species are not included in the atlas. NA: not available

Data anomalies	

Supplemental descriptors	
Publications	0
How to cite database	Contact c.estrada@imperial.ac.uk
How to acknowledge dataset	Contact c.estrada@imperial.ac.uk
Additional information	- A map is available (SilwoodHabitats.pdf) - Raw data tables