

## Versions

The Neuropterida Species of the World (NSW) is an integrating resource that contains web site and database elements. Both classes of elements are updated episodically. Significant one-time or cumulative updates are treated as 'versions' and are numbered and documented in Table 4. Small updates, to either data or functionality, made between versions are treated as 'releases' and only the active release is documented in Table 4. The states of selected web pages as they existed at the time of the initial release of each version are documented as page snapshots in Table 5. Design and/or functionality changes made between the initial releases of sequential NSW versions are documented in Table 6.

Table 4. Summary and comparative data for the documented versions and active release of the Neuropterida Species of the World.

Version	Release Date [y.m.d]	Combinations (new)	Catalogue Records (new)	Neuropterida Species-Group Names			Benchmarks
				Valid (change)	Invalid (change)	Unavailable (change)	
(active release)	2017.05.09	20572	11200	7657	3542	479	-----
5.0	2017.05.09	20,572 (1521)	11,200 (+991)	7657 (+344)	3542 (+1167)	479 (+65)	20,000+ combinations; 7500+ valid taxa
4.0	2015.07.06	19,051 (0)	10,209 (0)	7313 (+0)	2375 (+0)	414 (+0)	-----
3.0	2013.09.11	19,051 (2591)	10,209 (568)	7313 (+377)	2375 (+82)	414 (+90)	7000+ valid taxa; 10,000+ catalogue records
2.0	2007.10.31	16,460 (16,460)	9641 (396)	6936 (+17)	2293 (+204)	324 (+87)	first Lacewing Digital Library (LDL) version
1.0	2003.07.15	-----	9245	6919	2089	237	first numbered version

**Columns:** **Benchmarks** – notable features or milestones associated with the documented version; **Catalogue Records** – number of unique Catalogue Record pages contained in the version or active release; **Combinations** – number of scientific name combinations (i.e., unique searchable strings of genus- and species-group names) contained in the version or active release; **Invalid Names** – number of invalid Neuropterida species-group names contained in the documented version or active release; **Release Date** – release date of the documented version or active release; **Unavailable Names** – number of unavailable Neuropterida species-group names contained in the documented version or active release; **Valid Names** – number of valid Neuropterida species-group names contained in the documented version or active release; **Version** – number of the documented version.

Table 5. Neuropterida Species of the World usage data and page archive.

Version	Cumulative Page Accesses			Page Archive							
	Main	Simple Search	Advanced Search	Main	Introduction	Classification	Simple Search	Advanced Search	Acknowledgments	References	Versions
(active release)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5.0	36,718	45,027	8962								
4.0	-----	29,635	-----	-----	-----	-----	-----	-----	-----	-----	-----
3.0	-----	21,570	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----

**Columns:** **Cumulative Page Accesses** – values of the indicated page access counters on the initial release date of the documented version or active release; **Page Archives** – PDF snapshots of the states of the indicated pages as they existed at the time of the initial release of the documented version.

Table 6. Neuropterida Species of the World design and functionality changes.

Interval	Changes
Version 4.0 to Version 5.0	<p><b>Main Page:</b> Modified to directly display author contact information and publication citation data; Introduction button added.</p> <p><b>Introduction Page:</b> Table formats updated to LDL standard; higher classification table moved to new Classification page.</p> <p><b>Classification Page (new):</b> Static higher classification table formerly located on Introduction page moved to new Classification page and table dynamically linked to dataset of active release; table data extended to display information on whether each higher taxon contains Holocene and/or pre-Holocene taxa.</p> <p><b>Simple and Advanced Search Pages:</b> Added functionality to search for species-group and subinfraspecific ranked name epithets.</p> <p><b>Search Results Page:</b> Improved display of search parameters on Search Criteria line; improved readability of Search Results table by removing subgeneric name epithets to a separate column; added Current Name field to Search Results table; removed Combination field from Search Results table; added functionality to display</p>

implemented '(active release)' line in Table 4 to allow tracking of selected data parameters between formal versions.

Log In Page (new): Log in functionality added to NSW module.

Bottom Navigation Bar: 'Log In' page link added, Contacts page link removed.

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Version

3.0 to

Version

4.0

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General: Complete backend code rewrite for the Neuropterida Species of the World module.