

Plants for Carnaby's search application

Carnaby's cockatoo (*Calyptorhynchus latirostris*) is found only in the south west corner of Western Australia. Clearing is a major threat to its survival and so revegetation is important to conserving the species for the future. If you are interested in planting to help Carnaby's cockatoo then this search tool will assist you to select the most suitable species.

The *Plants for Carnaby's Search Tool* enables you to describe your site, purpose for planting or desired plant characteristics and compares this to the features of plants used by Carnaby's cockatoo for feeding, night roosting or nesting. The resulting list of matching species can then be considered in decision making processes or, if for revegetation, can be taken to a plant nursery or other supplier.

The search tool can be used to:

Decide on a species list for your revegetation project.

Find out what plants Carnaby's cockatoo feeds on, sleeps in or nests in.

Help identify important feeding, night roosting and nesting habitat for Carnaby's cockatoo.

Research characteristics of plants such as compatibility with powerlines, resistance to dieback and tolerance to coastal environments.

The search tool compiles information from numerous published and unpublished sources to provide advice on over 130 species together with more than 100 photographs and serves as a great resource for knowledge.

View the *Plants for Carnaby's Search Tool* at

<https://www.dpaw.wa.gov.au/apps/plantsforcarnabys/index.html>

About this search tool

To use the search tool you will need to have Java enabled on your browser and have a Java runtime version of 1.4.2 (1.5 or greater recommended). If you have trouble viewing the tool, please review the system requirements information.

This search tool was constructed using LucID Version 3.5 by Christine Groom, Department of Environment and Conservation.

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How to use the search tool

The Plants for Carnaby's Search Tool has four windows on the main page.

In the top left window (called "Features available") there is a list of all the characteristics you can choose to select your species. Click on the + symbols to expand (or - to contract) the different sections to see the various options available. Then you simply click on the box next to the feature you wish to select.

For some features there is an image or help text to assist you select the option relevant to your situation. Just click on the icon next to some features to open a separate window with the help text or image (e.g. rainfall zone map).

It is recommended that you begin by exploring the characteristics available and deciding which ones will be of most use in your situation.

The bottom left window (called "Features chosen") summarises which features you have selected in the "Features available" window. This helps you keep track of your selections, but can also be used as a description of the features of your site, which you can then take to a nursery for further advice.

The top right window (called "Entities remaining") shows the species that match the features selected in the "Features available" window. This will be your list of species to plant at your site.

The more features you choose, the less you will see in this window. Be careful in the number of features you select, as you will quickly eliminate everything from this window if you are too selective. However, if you select more than one option (also called a 'state') within a feature, this will increase the number of species that match your criteria. For example selecting the flower colour of yellow only will result in fewer species than if a flower colour of blue was also selected. This is because you have now added species with blue flowers to the list of species with yellow flowers.

Also, selecting multiple options for some features may be desired where the options are graded. For example, you might want to select high and medium priority species for planting as a food source for Carnaby's and exclude only the low priority species. This will result in a planting list that is as extensive as possible but has eliminated only occasionally used food sources.

In this window you will also see a fact sheet icon next to most species. Click on this to open a profile from FloraBase for that species. Some species will also have a picture icon and clicking on this will open a window for you to browse photos of that species.

The bottom right window (called "Entities discarded") shows species that do not fit the features you have chosen in the "Features available" window.

By selecting and unselecting features you will see species appear and disappear from this window helping you understand the characteristics of individual species. This is particularly useful for features under the "Find out about..." headings. For example, you might want to know which plants that meet your description (as selected under the "Describe..." headings) will be easy to source and which ones will be hard. You can do this by checking and unchecking the relevant boxes.

Important information

Warning on the use of some LucID menu options

The LucID software was designed for use in creating taxonomic keys and so some of the menu options are not relevant to the *Plants for Carnaby's Search Tool*. These include the options 'Allow Misinterpretations', 'Retain Uncertainties' and using 'Best' mode. If these options are selected the results will not be meaningful.

Disclaimer

To the best of our knowledge the information contained in this search tool is correct. Many fields relate to biological characteristics that are influenced by many factors and so the performance of a particular plant may vary in different circumstances.

Plants for Carnaby's Search Tool is intended to assist the user to compile a list of species most likely to be successfully grown on a given site. It is the responsibility of the user to ensure that the chosen planting site has been accurately assessed to obtain the most accurate and representative site data possible prior to using the search tool.

Plants for Carnaby's Search Tool is a decision support tool and as such, any decision based on its use remains the sole responsibility of the user. It is recommended that selected species are researched prior to planting and that the use of the tool accompanies a management or restoration plan for the area to maximise chances of success.

The information contained within the search tool has not been updated since it was developed in 2011.

System requirements

The *Plants for Carnaby's Search Tool* runs as a Lucid3 Java Applet. The software was developed by the Centre for Biological Information Technology at the University of Queensland in Australia as a tool for making interactive taxonomic keys. Visit the Lucidcentral website (lucidcentral.com) for more information on Lucid and Lucid3.

Operating System:

Windows 98/ME/NT(SP6a)/2000(SP3)/XP(SP1)/Vista, Windows 7/Macintosh OS X 10.4 or greater, Linux, Solaris (7, 8, 9 or 10).

System Memory:

256MB RAM (512MB or greater recommended).

Software:

The search tool will run embedded within a web browser as a Java Applet. Java Runtime Environment (JRE) version 1.4.2 (1.5 or greater recommended) must be installed on your computer for the Lucid3 Applet Player to run successfully.

You can download and install the latest JRE version from the Java website at www.java.com.

Web browser:

Java-enabled web browser such as Internet Explorer, Firefox, Opera, or Safari.

NOTE: Some web pages attached to items in Lucid3 interactive keys, may be considered pop-ups by some web browsers. If your browser or an add-on application is set to block pop-ups, you may not be able to view all of the content on these pages. Additionally, some web browsers or add-on applications may block "active content" on web pages or interactive keys. Please consult your web browser or add-on application's help file for assistance in disabling pop-up blockers and allowing active content.

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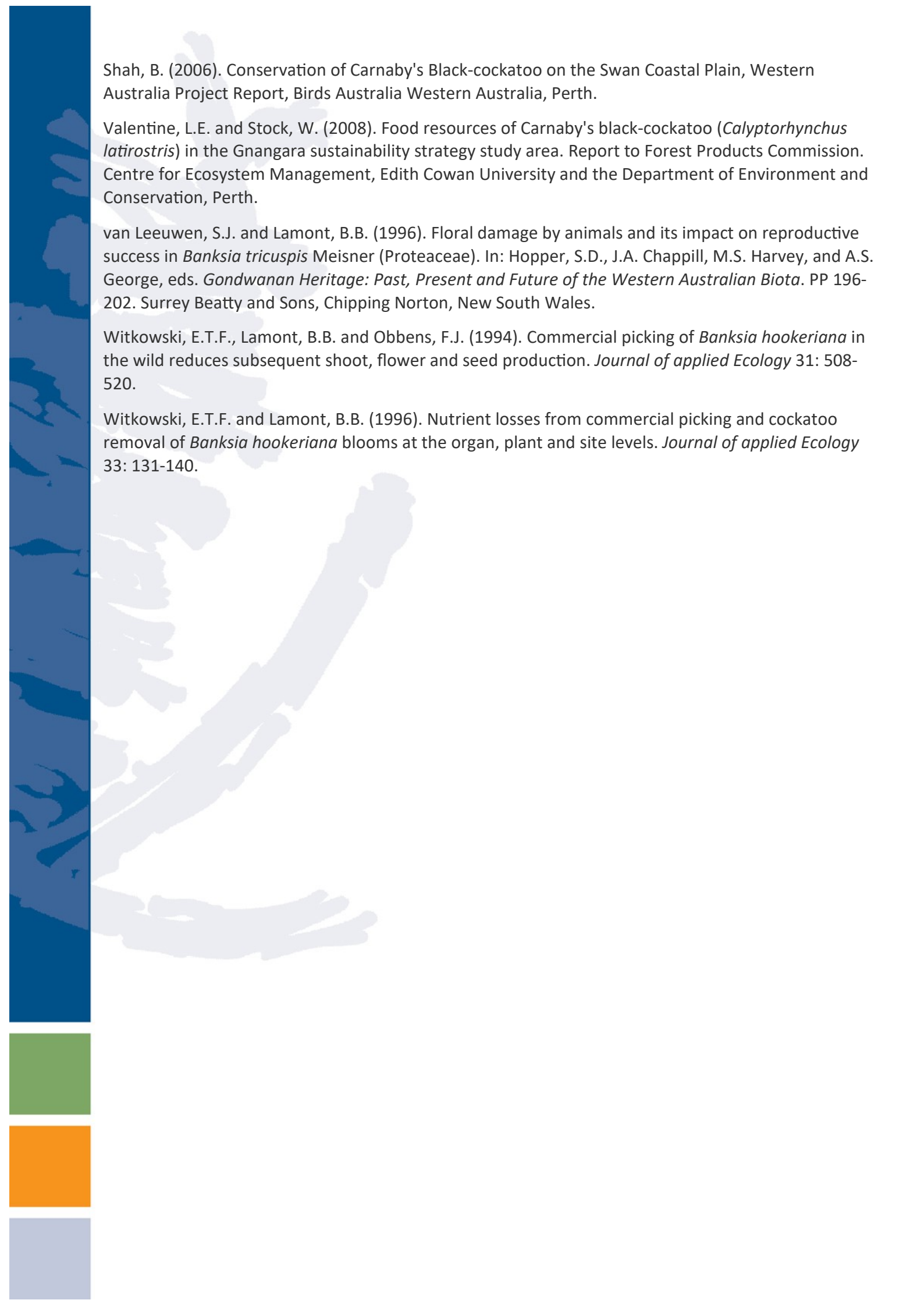
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