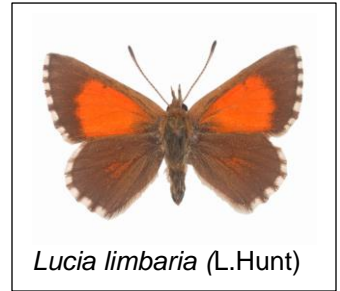




Friends of the Chequered Copper (*Lucia limbaria*) Butterfly

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Lucia limbaria (L.Hunt)

Butterfly Conservation SA (BCSA) has established a 'Friends of the Chequered Copper (*Lucia limbaria*) Butterfly' as a sub-committee of the BCSA.

This group will be involved in:

- Promotion of the Chequered Copper (*Lucia limbaria*) butterfly as an indicator species of the health of the biodiversity area in Victoria Park/Pakapakanthi Park 16;
- Conservation and management of the Chequered Copper (*Lucia limbaria*) butterfly in some parts of the biodiversity area in Victoria Park/Pakapakanthi Park 16 (in agreement with Adelaide City Council (ACC));
- Conservation and management of areas of potential habitat for the Chequered Copper (*Lucia limbaria*) butterfly, outside of the fenced area in Victoria Park/Pakapakanthi Park 16;
- Develop monitoring programs for the Chequered Copper (*Lucia limbaria*) butterfly and other invertebrates in selected areas of suitable habitat, with appropriate groups (e.g. Nature Glenelg Trust, Department of Environment and Water); and
- Joint promotional activities with other stakeholders (e.g. City of Adelaide, Adelaide Parklands Preservation Association, Trees For Life, Natural Resources AMLR).

Pre-requisites:

- Members of the Friends of the Chequered Copper (*Lucia limbaria*) Butterfly are members of BCSA Inc;
- Activities of the Friends of the Chequered Copper (*Lucia limbaria*) Butterfly are agreed by the BCSA Management Committee;
- Funding received by the Friends of the Chequered Copper (*Lucia limbaria*) Butterfly is managed by the BCSA Management Committee;
- Insurance for volunteers has been negotiated and agreed with the NR AMLR Manager of Volunteers following preparation of a work plan and a letter of support from the ACC; and
- A Steering Committee is formed to provide a point of contact with BCSA and stakeholders.

Work program:

- 2018-2019 - Development of a Geographic Information System (GIS) with layers of landscape data and datasets, which can be populated with data collected by volunteers on a regular basis across the flight time (October 2018-May 2019) of the Chequered Copper (*Lucia limbaria*) butterfly;
- 2018-2019 - Collection of monitoring data by volunteers after training in the use of the Collector for ArcGIS app on smartphones or tablets;
- 5 October 2018 - Grasslands Field Trip event in Victoria Park facilitated by the Adelaide City Council and supported by the SA Museum, Butterfly Conservation SA and Friends of the Chequered Copper (*Lucia limbaria*) Butterfly;
- Additional work as required to assist with the conservation and management of the Chequered Copper (*Lucia limbaria*); and

Develop communication tools to keep all volunteers and the BCSA Management Committee informed of activities of the Friends of the Chequered Copper (*Lucia limbaria*) Butterfly.

Activities so far (to 7/11/18):

- After a couple of false starts, in which we got very wet and were hailed on (☹), Butterfly Conservation SA Inc. (BCSA) members have been developing their skills in GIS mapping, using Collector for ArcGIS, of the Chequered Copper butterfly (*Lucia limbaria*) in the southern part of Victoria Park/Pakapakanthi Park 16;
- **Funding** has been received from the City of Adelaide Sustainability and Biodiversity units will be available for capacity building and the technical support of our GIS officer Marian McDuie.
- Mapping of the *Oxalis perennans* plants occurred on 25/10/18 and 3/11/18 (with 7 butterflies sighted including positive sightings of the upper sides of a male and female);
- Transects walked on 3/11/18 and 7/11/18.

Whilst the initial discovery was made in open kikuyu grassland with bare areas that had the host plant Native Sorrel (*Oxalis perennans*) and the obligate *Iridomyrmex* species of ants coexisted; the current fenced biodiversity area created by ACC has increased the biodiversity of the region and offered more protection for the Chequered Copper butterfly.

Your involvement:

An invitation has been extended to the current volunteers to determine when people are available to monitor the areas and these volunteers will receive training in Collector for ArcGIS, which is the app we are using in the field. The BCSA seeks your input into the monitoring program and if you would like to be a member please contact Gerry Butler on 0407972149 or email: publications@ButterflyConservationSA.net.au