

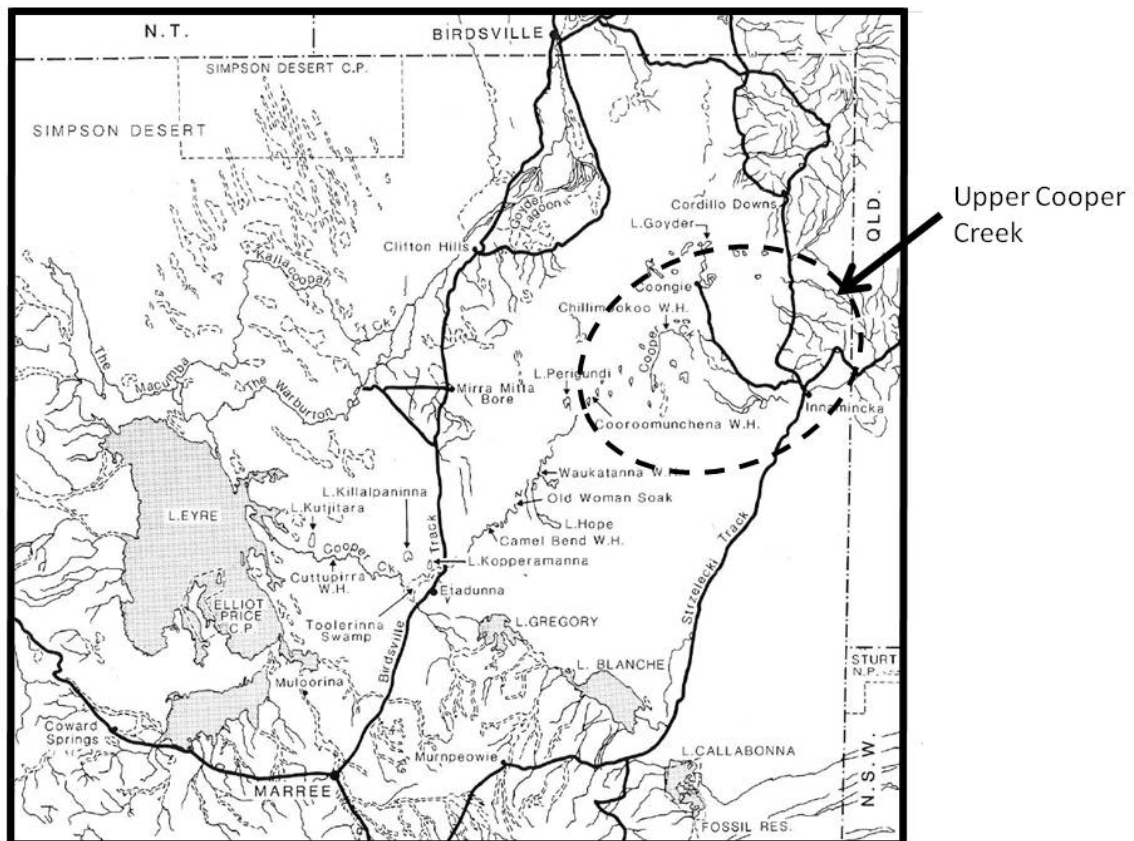
### Supplementary material

#### A new subspecies of the Australian Ringneck (*Barnardius zonarius*) from the Upper Cooper Creek Drainage, Lake Eyre Basin, central Australia

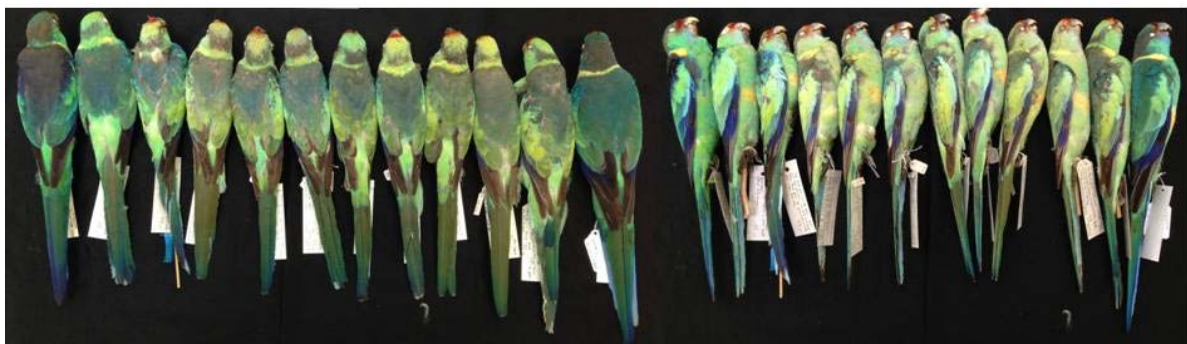
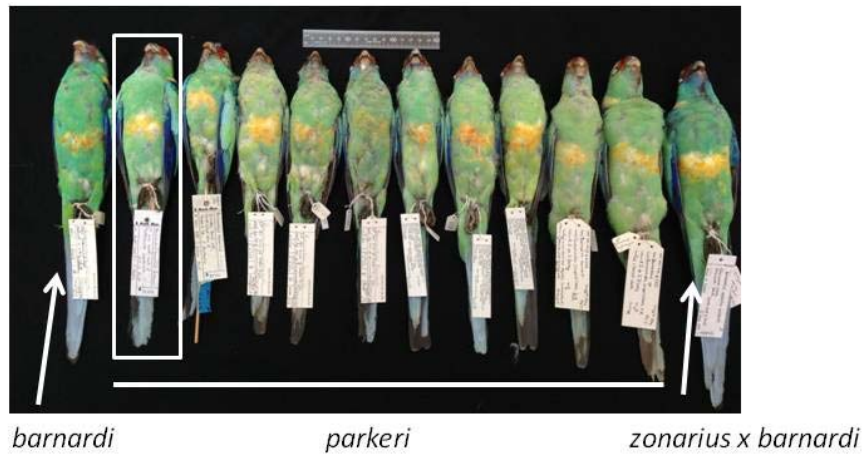
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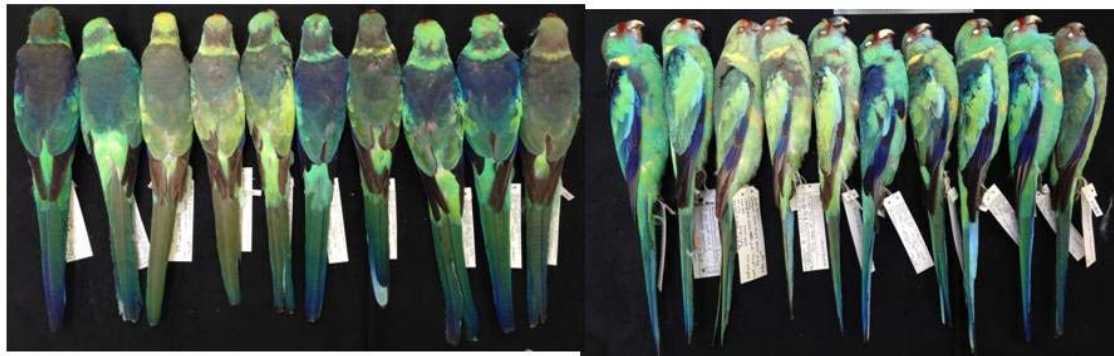
**Fig. S1.** Map modified from Badman (1989) to highlight the Upper Cooper Creek drainage (oval-shaped dashed line) and showing localities within it mentioned in the text.



**Fig. S2.** Ventral, dorsal and lateral views (left to right in each) of *Barnardius* parrots to highlight the pallor of *B. z. parkeri* (see text for locality details) relative to *B. z. barnardi*. *B. z. barnardi* ANWC B 18971 Murrumbidgee district, male; *B. z. parkeri*: SAMA B 36278, male, holotype, enclosed in white box in top image; SAMA B37701, male; ANWC B40105, female; ANWC B40104, female; ANWC B 40100, female; ANWC B 47934, male; ANWC B20834, female; ANWC B 47926, female; AM O.42330, female; AM O.42331, male; *B. z. zonarius x B. z. barnardi* SAMA B58643, Petermorra Creek, male.



*barnardi*, male      *parkeri*      *barnardi* immediately east of *parkeri*      *barnardi*, female



**Fig. S3.** Ventral, dorsal and lateral views (left to right in each) of *Barnardius* parrots to show that specimens immediately east of the Upper Cooper Creek drainage are darker than *B. z. parkeri* (see text for locality details) and more typical of *B. z. barnardi*. *B. z. barnardi*: ANWC B18971, Murrumbidgee district, male; *B. z. parkeri*: SAMA B 36278, AM O.42330, ANWC B40105, ANWC B47394, *B. z. barnardi*: ANWC B20879, Bulloo River, 30 km N Thargomindah, male; ANWC B20880, Bulloo River, 30 km N Thargomindah, female; ANWC B20840, 40 km SE Durham Downs, male, ANWC B31025, 27 km SW Moree, male; ANWC B49744, ca 80 km N Louth, female.



**Fig. S4.** Dorsal view of *Barnardius* specimens held in Natural History Museum, Tring. Left to right, *B. z. parkeri*: NHMUK 1965.43.88 (male) and NHMUK 1965.43.87 (female), Innamincka; *B. z. barnardi*: NHMUK 1964.17.201, female, Tyrone Homestead; *B. z. zonarius* x *B. z. barnardi*, NHMUK 1965.43.86, male; *B. z. barnardi* NHMUK 1925.11.1.308, male, Mt Driven.