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SUPPLEMENTARY ONLINE MATERIAL FOR

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The Chinchilla Local Fauna: an exceptionally rich and well-preserved Pliocene vertebrate assemblage from fluvial deposits of south-eastern Queensland, Australia.

Published in *Acta Palaeontologica Polonica* 2015 60 (3): 551-572.
<http://dx.doi.org/10.4202/app.00042.2013>

Supplementary Online Material

TABLE 1. Wilkinson Private Collection (WPC) specimens described by Hutchinson and Mackness (2002) subsequently donated to the Queensland Museum.

TABLE 2. Species and taxa present in the Chinchilla Sand Formation (Chinchilla Local Fauna).

TABLE 3. List of taxa described from Chinchilla with the summary assessment of their present taxonomic, provenance, and physical specimen statuses.

TABLE 1. Wilkinson Private Collection (WPC) specimens described by Hutchinson and Mackness (2002) subsequently donated to the Queensland Museum.

WPC number	QM F number	Original description	Revised description
118	56189	<i>Varanus</i> sp. dorsal vertebra	<i>Varanus</i> sp. dorsal vertebra
1430	56190	<i>Varanus</i> sp. dorsal vertebra	<i>Varanus</i> sp. dorsal vertebra
115	56191	? <i>Megalania</i> sp. dorsal vertebra	<i>Varanus komodoensis</i> dorsal vertebra
2409	56192	? <i>Megalania</i> sp. dorsal vertebra	<i>Varanus komodoensis</i> dorsal vertebra
2040	56193	? <i>Megalania</i> sp. dorsal vertebra fragment	<i>Varanus komodoensis</i> dorsal vertebra fragment
3555	56194	? <i>Megalania</i> sp. dorsal vertebra fragment	<i>Varanus komodoensis</i> dorsal vertebra fragment
1573	56195	? <i>Megalania</i> sp. caudal vertebra	<i>Varanus komodoensis</i> caudal vertebra
2364	56196	? <i>Megalania</i> sp. caudal vertebra	<i>Varanus komodoensis</i> caudal vertebra
1354	56197	Agamidae sp. indet.	Indet. ?Reptilia
116	56198	? <i>Megalania</i> sp. dorsal vertebra	Mammalia indet. vertebra
3556	56199	? <i>Megalania</i> sp. dorsal vertebra fragment	<i>Pallimnarchus pollens</i> scute
3557	56200	<i>Varanus</i> sp. caudal vertebra	Mammalia indet. cuboid
1429	56201	? <i>Megalania</i> sp. caudal vertebra	Mammalia indet. vertebra

TABLE 2. Species and taxa present in the Chinchilla Sand Formation (Chinchilla Local Fauna).

Class	Subclass	Infraclass	Order	Suborder	Family	Subfamily	Genus	Species	Taxon
Sarcopterygii	Dipnoi				Ceratodontidae		<i>Metaceratodus</i>	<i>Metaceratodus palmeri</i>	
					Neoceratodontidae		<i>Neoceratodus</i>	<i>Neoceratodus forsteri</i>	
Reptilia			Testudines		Trionychidae				Trionychidae sp. indet.
					Chelidae		<i>Emydura</i>	<i>Emydura</i> sp.	
			Crocodylia		Crocodylidae		<i>Pallimnarchus</i>	<i>Pallimnarchus pollens</i>	
							<i>Quinkana</i>	<i>Quinkana</i> sp.	
			Squamata		Agamidae				Agamidae sp. indet.
					Gekkonidae		<i>Diplodactylus</i>	<i>Diplodactylus</i> sp. cf.	
								<i>Diplodactylus steindachneri</i>	
					Scincidae		<i>Cyclodomorphus</i>	<i>Cyclodomorphus</i>	cf. <i>Cyclodomorphus</i>
							<i>Tiliqua</i>	<i>Tiliqua wilkinsonorum</i>	
					Varanidae		<i>Varanus</i>	<i>Varanus komodoensis</i>	
								<i>Varanus</i> sp.	
					Madtsoiidae		<i>Yurlunggur</i>	<i>Yurlunggur</i> sp.	
Aves			Anseriformes		Anatidae		<i>Anas</i>	<i>Anas superciliosa</i>	
							<i>Aythya</i>	<i>Aythya australis</i>	
							<i>Biziura</i>	<i>Biziura lobata</i>	
			Ciconiiformes		Ciconiidae		<i>Ciconia</i>	<i>Ciconia nana</i>	
			Galliformes		Megapodiidae		<i>Leipoa</i>	<i>Leipoa gallinacea</i>	
			Gruiformes		Rallidae		<i>Fulica</i>	<i>Fulica atra</i>	
							<i>Gallinula</i>	<i>Gallinula mortierii</i>	
			Charadriiformes						Charadriiformes gen. et sp. indet.
					Charadriidae		<i>Vanellus</i>	<i>Vanellus</i> sp.	
			Casuariiformes		Casuariidae		<i>Dromaius</i>	<i>Dromaius novaehollandiae</i>	
			Pelecaniformes		Pelecanidae		<i>Pelecanus</i>	<i>Pelecanus proavus</i>	
			Phalacrocoraciformes		Phalacrocoracidae		<i>Microcarbo</i>	<i>Microcarbo melanoleucos</i>	
			Falconiformes		Accipitridae		<i>Necrastur</i>	<i>Necrastur alacer</i>	
Mammalia		Marsupialia					<i>Archizonurus</i>	<i>Archizonurus securus</i>	
		Dasyuromorphia			Dasyuridae		<i>Dasyurus</i>	<i>Dasyurus dunmali</i>	
							<i>Archerium</i>	<i>Archerium chinchillaensis</i>	
					Thylacinidae		<i>Thylacinus</i>	<i>Thylacinus cynocephalus</i>	

	Peramelemorphia	Peramelidae	<i>Perameles</i>	<i>Perameles bowensis</i>
	Diprotodontia	Vombatiformes	<i>Koalemus</i>	<i>Koalemus ingens</i>
		Phascolarctidae		Phascolarctidae gen. et sp. indet.
			<i>Koobor</i>	<i>Koobor notabilis</i>
			<i>Phascolarctos</i>	<i>Phascolarctos ?stirtoni</i>
		Diprotodontidae	<i>Euowenia</i>	<i>Euowenia grata</i>
			<i>Euryzygoma</i>	<i>Euryzygoma dunense</i>
			<i>Zygomaturus</i>	<i>Zygomaturus</i> sp.
		Palorchestidae	<i>Palorchestes</i>	<i>Palorchestes parvus</i>
		Vombatidae	<i>Vombatus</i>	<i>Vombatus ursinus</i>
		Thylacoleonidae	<i>Thylacoleo</i>	<i>Thylacoleo crassidentatus</i>
		Phalangerida	<i>Phalanger</i>	<i>Phalanger procyon</i>
		Macropodidae	<i>Brachalletes</i>	<i>Brachalletes palmeri</i>
			<i>Synaptodon</i>	<i>Synaptodon aevorum</i>
		Lagostrophinae	<i>Troposodon</i>	<i>Troposodon minor</i>
				<i>Troposodon gurar</i>
		Sthenurinae	<i>Sthenurus</i>	<i>Sthenurus notabilis</i>
				<i>Sthenurus andersoni</i>
			<i>Simosthenurus</i>	<i>Simosthenurus antiquus</i>
		Macropodinae	<i>Wallabia</i>	<i>Wallabia indra</i>
			<i>Macropus</i>	<i>Macropus pan</i>
				<i>Macropus agilis siva</i>
				<i>Macropus dryas</i>
				<i>Macropus woodsi</i>
			<i>Prionotemnus</i>	<i>Prionotemnus palankarinnicus</i>
			<i>Protemnodon</i>	<i>Protemnodon devisi</i>
				<i>Protemnodon chinchillaensis</i>
			<i>Bohra</i>	<i>Bohra wilkinsonorum</i>
			<i>Silvaroo</i>	<i>Silvaroo bila</i>
				<i>Silvaroo</i> sp.
Eutheria			<i>Chronozoon</i>	<i>Chronozoon austral</i>
	Rodentia	Muridae	<i>Pseudomys</i>	<i>Pseudomys vandycki</i>
	Chiroptera	Molossidae	<i>Mormopterus</i>	<i>Mormopterus</i> sp.

TABLE 3. List of taxa described from Chinchilla with the summary assessment of their present taxonomic, provenance and physical specimen statuses. See text for a full discussion of each taxa.

Taxon	Taxonomic status	Provenance at Chinchilla	Specimens status
<i>Metaceratodus palmeri</i>	Firm	Definite	QM collection
<i>Neoceratodus forsteri</i>	Firm	Definite	Private and QM collection
Trionychidae sp. indet.	Firm	Uncertain	QM collection
<i>Emydura</i> sp.	Firm	Definite	QM collection
<i>Pallimnarchus pollens</i>	Firm	Definite	QM collection
<i>Quinkana</i> sp.	Firm	Definite	QM collection
Agamidae sp. indet.	Firm	Definite	Missing, possibly in private collection
<i>Diplodactylus</i> sp. cf. <i>Diplodactylus steindachneri</i>	Firm	Definite	QM collection
cf. <i>Cyclodomorphus</i>	Firm	Definite	QM collection
<i>Tiliqua wilkinsonorum</i>	Firm	Definite	Missing
<i>Varanus komodoensis</i>	Firm	Definite	QM collection
<i>Varanus</i> sp.	Firm	Definite	QM collection
<i>Yurlunggur</i> sp.	Firm	Definite	Missing
<i>Anas superciliosa</i>	Firm	Definite	QM collection
<i>Aythya australis</i>	Firm	Definite	QM collection
<i>Biziura lobata</i>	Firm	Definite	QM collection
<i>Ciconia nana</i>	Firm	Definite	QM collection
<i>Leipoa gallinacea</i>	Firm	Definite	QM collection
<i>Fulica atra</i>	Firm	Definite	QM collection
<i>Gallinula mortierii</i>	Firm	Definite	QM collection
Charadriiformes gen. et sp. indet.	Firm	Definite	QM collection
<i>Vanellus</i> sp.	Uncertain	Probable	Destroyed
<i>Dromaius novaehollandiae</i>	Firm	Highly probable	QM collection
<i>Pelecanus proavus</i>	Uncertain	Probable	Missing
<i>Microcarbo melanoleucos</i>	Firm	Definite	QM collection
<i>Necrastur alacer</i>	Uncertain	Probable	QM collection
<i>Archizonurus securus</i>	Doubtful	Definite	QM collection
<i>Dasyurus dunmali</i>	Firm	Definite	QM collection
<i>Archerium chinchillaensis</i>	Firm	Definite	QM collection
<i>Thylacinus cynocephalus</i>	Firm	Definite	QM collection
<i>Perameles bowensis</i>	Firm	Definite	Missing
<i>Koalemus ingens</i>	Doubtful	Uncertain	QM collection

Phascolarctidae gen. et sp. indet.	Firm	Definite	QM collection
<i>Koobor notabilis</i>	Firm	Definite	QM collection
<i>Phascolarctos ?stirtoni</i>	Firm	Definite	QM collection
<i>Euowenia grata</i>	Firm	Definite	QM collection
<i>Euryzygoma dunense</i>	Firm	Definite	QM collection
<i>Zygomaturus</i> sp.	Firm	Definite	Missing
<i>Palorchestes parvus</i>	Firm	Definite	QM collection
<i>Vombatus ursinus</i>	Firm	Definite	QM collection
<i>Thylacoleo crassidentatus</i>	Firm	Definite	QM collection
<i>Phalanger procyonoides</i>	Doubtful	Definite	QM collection
<i>Brachalletes palmeri</i>	Doubtful	Definite	QM collection
<i>Synaptodon aevorum</i>	<i>nomen dubium</i>	Definite	QM collection
<i>Troposodon minor</i>	Firm	Definite	QM collection
<i>Troposodon gurar</i>	Firm	Probable	QM collection
<i>Sthenurus notabilis</i>	Firm	Definite	QM collection
<i>Sthenurus andersoni</i>	Firm	Definite	QM collection
<i>Simosthenurus antiquus</i>	Firm	Definite	QM collection
<i>Wallabia indra</i>	Firm	Definite	QM collection
<i>Macropus pan</i>	Firm	Probable	QM collection
<i>Macropus agilis siva</i>	Firm	Definite	QM collection
<i>Macropus dryas</i>	Firm	Definite	QM collection
<i>Macropus woodsi</i>	Firm	Definite	QM collection
<i>Prionotemnus palankarinnicus</i>	Firm	Definite	Missing and QM collection
<i>Protemnodon devisi</i>	Firm	Definite	QM collection
<i>Protemnodon chinchillaensis</i>	Firm	Definite	QM collection
<i>Bohra wilkinsonorum</i>	Firm	Definite	QM collection
<i>Silvaroo bila</i>	Firm	Definite	QM collection
<i>Silvaroo</i> sp.	Firm	Definite	QM collection
<i>Chronozoon austral</i>	Uncertain	Definite	QM collection
<i>Pseudomys vandycki</i>	Firm	Definite	Missing
<i>Mormopterus</i> sp.	Firm	Definite	QM collection