

Title	NSW Koala Priority Population Monitoring program - 2023 data
Abstract	<p>The NSW Koala Priority Population Monitoring program is an important long-term initiative focused on 20 priority koala populations identified in the NSW Koala Strategy. The program aims to improve understanding of long-term trends in koala occupancy and habitat suitability, providing robust data on population status at both regional and statewide scales using acoustic surveys (passive acoustic recording devices, song meter minis) to monitor koala occupancy at approximately 2,000 sites. The 20 high-priority koala population areas are monitored on alternative years, maintaining a biennial monitoring cycle.</p> <p>Priority Population Monitoring data for 8 sites in 2023</p> <p>This dataset represents eight priority monitoring areas sampled in 2023:</p> <ul style="list-style-type: none"> • Ballina/Byron • Armidale • Liverpool Plains • Southern Highlands • Blue Mountains (Lower) • Southwest Sydney • Narrandera • Far South Coast <p>Each passive acoustic recording device recorded between 7 and 21 nights (16 ± 1 sampling nights) between September and late November to capture the breeding season when male koalas are most vocal. Passive acoustic recording devices were programmed to record from sunset to sunrise, coinciding with the peak daily calling period of koalas. Note: Byron/Ballina forms one priority monitoring area as part of this program, however appears as two distinct areas in this dataset.</p>
Resource locator	<div> <div> Data Quality Statement </div> <div> <p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for NSW Koala Priority Population Monitoring program - 2023 data</p> <p>Function: download</p> </div> </div> <div> <div> NSW Koala Priority Population Monitoring program - 2023 </div> <div> <p>Name: NSW Koala Priority Population Monitoring program - 2023</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>2023 acoustic survey data to monitor koala (<i>Phascolarctos cinereus</i>) occupancy at approximately 525 sites across 8 key koala populations in New South Wales.</p> <p>Function: download</p> </div> </div> <div> <div> NSW Koala Priority Population Monitoring program - 2023 shapefile </div> <div> <p>Name: NSW Koala Priority Population Monitoring program - 2023 shapefile</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Acoustic survey data collected to monitor koala (<i>Phascolarctos cinereus</i>) occupancy at approximately 2,000 sites across 20 key koala populations in New South Wales. This data set comprises the 10 key areas surveyed in 2023 as per the biennial survey schedule.</p> <p>Function: download</p> </div> </div>
Unique resource identifier	
Code	1fa33b14-319d-4a46-81e5-540e81ccdb9c
Presentation form	Table digital

Edition	1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/1fa33b14-319d-4a46-81e5-540e81ccdb9c
Purpose	Scientific analysis to understand koala populations
Status	On going
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	<p>Attribute description Column, Description</p> <ul style="list-style-type: none"> • SiteID - Site naming convention (priority area code, site number, year) • FirstDate - Date of first recording on passive acoustic recording device (song meter mini) • LastDate - Last day of recording on passive acoustic recording device (song meter mini) • PresAbs - Binary representation of koala presence or absence (yes/no) • NKoalaCall - number of calls recorded by each device • DurationH - total duration of recorded sound on the device in hours • StudyArea - name of priority study area/locality • AreaAcronym - study area name acronym • Year - calendar year survey was undertaken (2023) • TenureCode - numerical representation of tenure type • Tenure - tenure type • Public - data privacy code (internal/external data sharing)
Topic category	

Keyword set	
keyword value	FAUNA-Native ECOLOGY
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	145.17
East bounding longitude	153.87
North bounding latitude	-35.17
South bounding latitude	-28.09
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2023-07-09
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Biannually
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Lineage	<ul style="list-style-type: none"> • Sound data/koala calls (.wav and .txt files) were collected by the Song Meter Mini (passive acoustic device) at each site. * Each device recorded between 7 and 21 sampling nights, deployed between September and late November to capture the peak koala breeding/calling season. Devices were configured to record from sunset to sunrise (peak calling period), using a sampling frequency of 22,050 Hz. • Site data were collected via GPS and the ESRI Survey123 app. Coordinates were recorded in the GDA94 spatial reference system, and timestamps were recorded in the GMT+10 time zone. • Once retrieved from the field, data were saved from the SD card to a hard drive in a folder named after the corresponding SiteID. • Data quality checks were undertaken on the survey data, hard drive data, and the recogniser output to increase accuracy and consistency. The Koala Science data team resolved the identified errors. • WAV data files were sent to the DPI team for acoustic processing using the Avianz recogniser, which includes manual validation of calls to ensure accuracy. • The DPI provided the analysed results to the Koala Science team. The Koala Science team transformed the recogniser output into an Excel file containing three sheets detailing sites, recording times, and koala calls. All data were checked for accuracy and completeness.
Limitations on public access	
Responsible party	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact
Metadata point of contact	
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Responsible party role	pointOfContact
Metadata date	2025-05-23T03:11:53.632726
Metadata language	