

Title	Phytophthora distribution
Abstract	<p>These maps are the output of a project investigating the distribution and risk of the pathogen <i>Phytophthora cinnamomi</i> in New South Wales. The distribution of <i>P. cinnamomi</i> was modelled with occurrence data and environmental layers of climate and soils using the modelling software MaxEnt. Presence records were used to model distribution while absence records were used to define the extent of modelling. Future distribution (to 2070) was also modelled using projected climate layers for two emissions scenarios (rcp 4.5 and 8.5), averaged over three climate models. Current and future risk were modelled by multiplying distribution layers with layers of susceptible threatened plants. The methodology used is described in McDougall & Liew (2020) Quantifying the distribution and threat of <i>Phytophthora cinnamomi</i> in New South Wales: implications for its management in natural vegetation. <i>Cunninghamia</i> 20, 153-181. The distribution shapefile shows where <i>P. cinnamomi</i> has been detected in soil or plant samples (presences). These data should be used indicatively because the locations of some records could not be verified.</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for <i>Phytophthora</i> distribution</p> <p>Function: download</p>
Published report	<p>Name: Published report</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Report - Quantifying the distribution and threat of <i>Phytophthora cinnamomi</i> in NSW: implications for its management in natural vegetation</p> <p>Function: download</p>
Data download	<p>Name: Data download</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>TIFFS and point data (ESRI shapefile)</p> <p>Function: download</p>
Unique resource identifier	
Code	aecabc02-2896-4565-b40e-94053aa3c180
Presentation form	Map digital
Edition	v1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/aecabc02-2896-4565-b40e-94053aa3c180
Purpose	Pest management

Status	Completed
Spatial representation type	grid
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	1000 m
Topic category	

Keyword set	
keyword value	DISEASE HAZARDS-Pests
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	147
East bounding longitude	153.6417
North bounding latitude	-37.5083
South bounding latitude	-28.15
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	2019-03-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Not planned
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	Records of Phytophthora cinnamomic presence and absence in NSW and the ACT were obtained from available databases, DPIE records and published surveys. See Table 1 in the Report. Species distribution modelling was performed with the program MaxEnt.
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
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Metadata date 2024-02-26T13:19:48.143421

Metadata language