Title	FireTools Cloud Results - NPWS South Coast Branch
Alternative title(s)	FTC Results – NPWS STHC Branch

Abstract

FireTools Cloud is a web-based GIS processing environment developed by the NSW Bushfire Risk Management Research Hub, a NSW focused research partnership between the NSW Department of Planning, Industry and Environment, the University of Wollongong, Western Sydney University, the University of NSW, the University of Tasmania, the University of Melbourne and the NSW Rural Fire Service. It is designed to replicate and replace the functionality of the FireTools II ArcGIS processing plugin to assist in fire management planning. Users upload a datapack containing the GIS files used to run a standard FireTools II analysis, configure the layers and fields that define the analysis, and submit the analysis for processing. After processing is complete, users can download a results pack containing GIS files with analysis results. Selected results are distributed for use as described below.

Results are true and correct only for the reserves within the NPWS South Coast Branch. Fire history outside the reserves is incomplete so results should not be relied upon.

Layers in this data package: Heritage threshold status: Input vegetation classified into LongUnburnt, WithinThreshold, Vulnerable, TooFrequentlyBurnt, Unknown and NoFireRegime (raster and vector). This layer is used to monitor the status of vegetation across the study area with respect to its biodiversity-related impacts of fire.

Number of times burnt: The number of times any given point within the study area has been intersected by a burnt area polygon in the fire history (raster and vector)

Time Since Last Fire: The number of years since any given point within the study area has been intersected by a burnt area polygon in the fire history (raster and vector)

Time Since Last Fire SFAZ: The number of years since any given Strategic Fire Advantage Zone (SFAZ) within the study area has been intersected by a burnt area polygon in the fire history. This is then classified into 3 time slices whereby 0-6 years = Recently Treated, 7-10 years = Monitor OFH in the field and >10 years = Priority for Assessment and Treatment. (raster and vector). This layer is used to find candidate burn blocks to assess for addition into a hazard reduction program of works.

Vegcode: A simple display layer showing the input vegetation groups over the study area. This is not a fully attributed vegetation layer – it is designed as a simple visual (raster only).

VegBase. This is a copy of the input veg used, showing just the VEG code, MIN, MAX. Can be used to analyse what is driving results in a given location.

Data is updated up to 4 times per year.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for FireTools Cloud Results Function: download
Web Map Service (WMS)	Name: Web Map Service (WMS) Protocol: WWW:DOWNLOAD-1.0-http--download Description: Web Map Service (WMS) is a standard protocol for serving georeferenced map images over the internet that are generated by a map server using data from a GIS Database (NSW Government - Spatial Web Services Register June 2015). WMS allows a user to spatially visualise the dataset, but not query its features. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as QGIS and ArcGIS/ArcMap.

	Function: download
ArcGIS REST SERVICE	Name: ArcGIS REST SERVICE Protocol: WWW:DOWNLOAD-1.0-http--download Description: An ArcGIS Server web service represents a GIS resource—such as a map, locator, or image—that is located on an ArcGIS Server site and is made available to client applications. Depending on the layers enabled, this web service allow a user to query its features and/or visualise the dataset. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as ArcGIS/ArcMap. Function: download

Unique resource identifier

Code	3b814f76-b988-4419-b8bf-9b81c3a8718e

Presentation form	mapDigital
Edition	July 2019
Dataset language	eng

Metadata standard

Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/3b814f76-b988-4419-b8bf-9b81c3a8718e
Purpose	On-park fire management planning
Status	onGoing
Spatial representation type	grid

Spatial reference system

Authority code	GDA94 Geographic (Lat\Long)
Code identifying the spatial reference system	4283

Spatial resolution	100 m

Topic category

Keyword set

keyword value	HAZARDS-Fire
Originating controlled vocabulary	

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	149.941406
East bounding longitude	152.028809
North bounding latitude	-38.668356
South bounding latitude	-35.371135
NSW Place Name	National Parks and Wildlife Service South Coast Branch

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	1980-01-01
End position	N/A

Dataset reference date

Date type	publication
Effective date	2019-07-30
Date type	revision
Effective date	2023-05-13

Resource maintenance

Maintenance and update frequency	None
Contact info	
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Full postal address	NSW Australia data.broker@environment.nsw.gov.au
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Responsible party role	pointOfContact

Lineage

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Limitations on public access

Scope: dataset

Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Full postal address	NSW Australia data.broker@environment.nsw.gov.au
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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Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Responsible party role	distributor

Metadata date

2020-10-13

Metadata language

eng