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| Title | Historical Fire Extent and Severity Mapping (FESM) - Statewide 2008-09 |
| Alternative title(s) | FESM - 2008/09 |
| Abstract | <p>Fire severity is a metric of the loss of biomass caused by fire. In collaboration with the NSW Rural Fire Service, the department's Remote Sensing & Regulatory Mapping team has developed a semi-automated approach to mapping fire extent and severity through a machine learning framework based on satellite imagery.</p> <p>The method uses standardised classes to allow comparison of different fires across the landscape. The FESM severity classes include: unburnt, low severity (burnt understory, unburnt canopy), moderate severity (partial canopy scorch), high severity (complete canopy scorch, partial canopy consumption), extreme (full canopy consumption).</p> <p>Here we provide statewide historical severity mapping of fires >100ha for the 2008-09 fire year, which is based on Landsat satellite imagery (30m pixels). From 2016/17 to the current fire year is covered in the statewide FESM data, which is based on Sentinel 2 satellite imagery (10m pixels).</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 Historical Fire Extent and Severity Mapping (FESM) - Blue Mountains Region</p> <p>Function: download</p> |
| FESM - Statewide 2008-09 - Hazard Reduction Burns | <p>Name: FESM - Statewide 2008-09 - Hazard Reduction Burns</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p> |
| FESM - Statewide 2008-09 - Wildfires | <p>Name: FESM - Statewide 2008-09 - Wildfires</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p> |
| Disclaimer | <p>Name: Disclaimer</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p> |
| Unique resource identifier | |
| Code | 889ed214-4c88-4a5e-a5b4-88327ccf17c1 |
| Presentation form | Image digital |
| Edition | FESMv3 |
| Dataset language | English |
| Metadata standard | |
| Name | ISO 19115 |
| Edition | 2016 |

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| Dataset URI | https://datasets.seed.nsw.gov.au/dataset/889ed214-4c88-4a5e-a5b4-88327cct17c1 |
| Purpose | fire management planning and reporting, landscape and fire ecology research |
| Status | Completed |
| Spatial representation type | grid |
| Spatial reference system | |
| Code identifying the spatial reference system | 4283 |
| Spatial resolution | 30 m |
| Topic category | |

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| Keyword set | |
| keyword value | HAZARDS-Fire ECOLOGY-Landscape ECOLOGY-Habitat VEGETATION |
| Originating controlled vocabulary | |
| Title | ANZLIC Search Words |
| Reference date | 2008-05-16 |
| Geographic location | |
| West bounding longitude | 141 |
| East bounding longitude | 154 |
| North bounding latitude | -37.7 |
| South bounding latitude | -28 |
| NSW Place Name | NSW |
| 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 | 2007-01-07 |
| 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 |

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| Lineage | Individual fire events are processed then mosaicked into a statewide layer for each fire year in the record. | | |
| Limitations on public access | | | |
| Responsible party | | | |
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| Metadata date | 2025-02-21T01:01:41.689721 | | |
| Metadata language | | | |