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|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>                              | Fire Heterogeneity Index (FHI) - Pilliga Region                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alternative title(s)</b>               | FHI Pilliga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Abstract</b>                           | <p>Remote sensing scientists from the NSW Department of Climate Change, Energy, the Environment and Water (NSW DCCEEW) Science and Insights Division have developed a new approach to mapping the landscape patterns of high severity fire, based on NSW Fire Extent and Severity Mapping (FESM).</p> <p>High severity fire impacts an ecosystem by completely scorching or consuming the canopy biomass. Such impacts can be harmful to biodiversity, although some species benefit or even depend on this level of fire impact.</p> <p>Recent advances in remote sensing of fire and innovative computation solutions by DCCEEW Remote Sensing Scientists offer accessibility to data on fire severity and landscape patterns of fire heterogeneity across broad regions.</p> |
| <b>Resource locator</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">Data Quality Statement</a>    | <p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Fire Heterogeneity Index (FHI) 2023/24</p> <p>Function: download</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <a href="#">Factsheet</a>                 | <p>Name: Factsheet</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">Raw FHI Pilliga</a>           | <p>Name: Raw FHI Pilliga</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <a href="#">Classified FHI Pilliga</a>    | <p>Name: Classified FHI Pilliga</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <a href="#">Published journal article</a> | <p>Name: Published journal article</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Remotely Sensed Fire Heterogeneity and Biomass Recovery Predicts Empirical Biodiversity Responses</p> <p>Function: download</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Unique resource identifier</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Code</b>                               | 1af99978-273f-4c36-83e4-27e000b8a943                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Presentation form</b>                  | Image digital                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Edition</b>                            | v1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Dataset language</b>                   | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                               |                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Metadata standard                             |                                                                                                                                                                           |
| Name                                          | ISO 19115                                                                                                                                                                 |
| Edition                                       | 2016                                                                                                                                                                      |
| Dataset URI                                   | <a href="https://datasets.seed.nsw.gov.au/dataset/1af99978-273f-4c36-83e4-27e000b8a943">https://datasets.seed.nsw.gov.au/dataset/1af99978-273f-4c36-83e4-27e000b8a943</a> |
| Purpose                                       | fire management and research                                                                                                                                              |
| Status                                        | Completed                                                                                                                                                                 |
| Spatial representation type                   | grid                                                                                                                                                                      |
| Spatial reference system                      |                                                                                                                                                                           |
| Code identifying the spatial reference system | 4283                                                                                                                                                                      |
| Spatial resolution                            | 30 m                                                                                                                                                                      |
| Topic category                                |                                                                                                                                                                           |

|                                                  |                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Keyword set</b>                               |                                                                                                                             |
| keyword value                                    | HAZARDS-Fire<br>ECOLOGY-Landscape<br>ECOLOGY-Habitat<br>VEGETATION                                                          |
| <b>Originating controlled vocabulary</b>         |                                                                                                                             |
| Title                                            | ANZLIC Search Words                                                                                                         |
| Reference date                                   | 2008-05-16                                                                                                                  |
| <b>Geographic location</b>                       |                                                                                                                             |
| West bounding longitude                          | 148.49121                                                                                                                   |
| East bounding longitude                          | 149.87549                                                                                                                   |
| North bounding latitude                          | -31.37045                                                                                                                   |
| South bounding latitude                          | -30.26658                                                                                                                   |
| NSW Place Name                                   | NSW                                                                                                                         |
| <b>Vertical extent information</b>               |                                                                                                                             |
| Minimum value                                    | -100                                                                                                                        |
| Maximum value                                    | 2228                                                                                                                        |
| <b>Coordinate reference system</b>               |                                                                                                                             |
| Authority code                                   | urn:ogc:def:cs:EPSG::                                                                                                       |
| Code identifying the coordinate reference system | 5711                                                                                                                        |
| <b>Temporal extent</b>                           |                                                                                                                             |
| Begin position                                   | 1989-01-07                                                                                                                  |
| End position                                     | N/A                                                                                                                         |
| <b>Dataset reference date</b>                    |                                                                                                                             |
| <b>Resource maintenance</b>                      |                                                                                                                             |
| Maintenance and update frequency                 | Annually                                                                                                                    |
| <b>Contact info</b>                              |                                                                                                                             |
| Contact position                                 | Data Broker                                                                                                                 |
| Organisation name                                | NSW Department of Climate Change, Energy, the Environment and Water                                                         |
| Telephone number                                 | 131555                                                                                                                      |
| Email address                                    | <a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>                                  |
| Web address                                      | <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a> |
| Responsible party role                           | pointOfContact                                                                                                              |

|                              |                                                                                                                                                                                                                                                                                                        |  |  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Lineage                      | The fire heterogeneity index (FHI) layers are derived from the Fire Extent and Severity Mapping products, which are generated through a machine learning framework based on Sentinel 2 or Landsat satellite imagery. The high and extreme severity areas are the basis for the calculation of the FHI. |  |  |
| 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                | <a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>                                                                                                                                                                                                             |  |  |
| Web address                  | <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>                                                                                                                                                                            |  |  |
| Responsible party role       | pointOfContact                                                                                                                                                                                                                                                                                         |  |  |
| Metadata point of contact    |                                                                                                                                                                                                                                                                                                        |  |  |
| Contact position             | Data Broker                                                                                                                                                                                                                                                                                            |  |  |
| Organisation name            | NSW Department of Climate Change, Energy, the Environment and Water                                                                                                                                                                                                                                    |  |  |
| Telephone number             | 131555                                                                                                                                                                                                                                                                                                 |  |  |
| Email address                | <a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>                                                                                                                                                                                                             |  |  |
| Web address                  | <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>                                                                                                                                                                            |  |  |
| Responsible party role       | pointOfContact                                                                                                                                                                                                                                                                                         |  |  |
| Metadata date                | 2025-04-16T22:18:07.509692                                                                                                                                                                                                                                                                             |  |  |
| Metadata language            |                                                                                                                                                                                                                                                                                                        |  |  |