**Summary of Dataset Sources and Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Dataset | Description | Format (Standard) | Resolution | Period | Version Date | Source |
| MTBS burned area boundaries | Burn Area | Spatial Vector (FGDC) |  - | 1984-2018(Annual) |  2020 | https://www.mtbs.gov/direct-download |
| MTBS Burn severity mosaic | Burn Severity | Spatial raster (FGDC) |  30x30 m |  1984-2018(Annual) |  2020 | https://www.mtbs.gov/direct-download |
| GAGES II | Stream discharge (ft3/sec), Stream arsenic, selenium and cadmium concentrations (μg/l) | Time Series (WaterML) |   | 1979-2018 (Daily) |   2020 | https://doi.org/10.5066/F7P55KJN |
| GAGES II Geospatial Attributes | Watershed Boundaries, Site location  | Spatial Vector (FGDC) |   |  2011 | 2017 | https://doi.or g/10.5066/F 7P55KJN |
| STATSGO | Soil Characteristics  | Spatial Raster (FGDC) |  1x1 km |  |   | https://water.usgs.gov/GIS/metadata/usgswrd/XML/muid.xml |
| NHDPlus V2 | Elevation (m) | Spatial Raster (FGDC) | 30x30 m |  - |  2012 | https://www.epa.gov/waterdata/get-nhdplus-national-hydrography-dataset-plus-data |
| NLCD | Land Cover | Spatial Raster (FGDC) | 30x30 m | 2001 | 2011 | https://www.mrlc.gov/data/nlcd-2001-land-cover-conus |
| ENVIROATLAS | Fertilizer and Manure application | Spatial Raster (FGDC) | 30x30 m | 2006 | 2014 | https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B0A4E7DDE-5F54-4DB5-8688-6AB2B1C8AFE5%7D |
| GCCUS | Surficial Lithology Content | Spatial Raster (FGDC) | 90x90 m |  | 2014 | https://www.sciencebase.gov/catalog/item/53481333e4b06f6ce034aae7 |
| TESLCUS | Surficial Lithology Materials | Categorical Raster | 1km x 1km |  | 2010 | https://pubs.er.usgs.gov/publication/sim3126 |
| PRISM | Precipitation (mm), air temperature (C) | Spatial raster (FGDC) | 4x4 km | 1979-2018 (Daily) |  2020 | https://prism.oregonstate.edu/recent/ |