LANDFIRE 2022 Existing Vegetation Type (EVT) HI

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:

Citation:

Citation_Information:

Originator:
Landscape Fire and Resource Management Planning Tools (LANDFIRE)
Originator: Earth Resources Observation and Science Center (EROS)
Originator: U.S. Geological Survey (USGS)
Originator: Timothy Hatten, USGS PM
Publication_Date: 20231130
Title: LANDFIRE 2022 Existing Vegetation Type (EVT) HI
Edition: LF 2022
Geospatial_Data_Presentation_Form: raster digital data
Publication_Information:

Publication_Place: Sioux Falls, SD
Publisher:
Earth Resources Observation and Science Center (EROS), U.S. Geological Survey

Online_Linkage: https://www.landfire.gov
Online_Linkage: https://doi.org/10.5066/P974JF8W

Description:

Abstract:
LANDFIRE's (LF) 2022 update (LF 2022) Existing Vegetation Type (EVT) represents the current distribution of the terrestrial ecological systems classification developed by NatureServe for the western hemisphere. In this context, a terrestrial ecological system is defined as a group of plant community types that tend to co-occur within landscapes with similar ecological processes, substrates, and/or environmental gradients. EVT also includes ruderal or semi-natural vegetation types within the U.S. National Vegetation Classification

[(NVC) https://usnvc.org/]. See the EVT product page (https://www.landfire.gov/evt.php) for more information about ecological systems and NVC classifications.

EVT is mapped using decision tree models, field data, Landsat imagery, topography, and biophysical gradient data. Decision tree models are developed separately for tree, shrub, and herbaceous lifeforms which are then used to produce a lifeform specific EVT product. These models are generated for each Environmental Protection Agency (EPA) Level III Ecoregion (https://www.epa.gov/eco-research/ecoregions). Riparian, alpine, sparse, and other site-specific EVTs are constrained by predetermined masks. Urban and developed areas are derived from the National Land Cover Database (NLCD), and the latest Microsoft Building Footprint dataset. Agricultural lands originate from the 2022 Cropland Data Layer (CDL) and the 2019 California Statewide Crop Mapping layer. Burnable developed classes are identified from building footprint dataset thresholds. LF 2022 retains circa 2016 EVT labels except where shifts in urban, agriculture, and developed classes occur. While Existing Vegetation Cover (EVC) and Height (EVH) are updated using transition rulesets with ST-Sim to account for disturbances, EVT remains unchanged, therefore EVT lifeform is not synchronized to the EVC/EVH lifeform as in some previous versions. LF uses EVT as an input for LF 2022 Fuel Vegetation Type (FVT).

Purpose:

The LANDFIRE 2022 Update (LF 2022) is designed to produce vegetation, disturbance, and fuels products that inform wildland fire and ecological decision systems. LF 2022 is another update to the LF 2016 Remap base map and LF 2020, it includes adjustments to vegetation and fuels in disturbed areas for disturbances recorded in 2021 and 2022. Disturbances in 2022 represent the first full fiscal year of disturbance. Transition rulesets for vegetation account for disturbances from 2017 to 2022 while fuel updates utilize 2012 to 2022 disturbances. In LF 2022 Existing Vegetation Type (EVT) Ecological Systems classifications are the same as LF 2020, except in areas where agriculture or urban areas have changed. LF 2022 contains the first application of the "zero to one" Time Since Disturbance (TSD) rules for EVC and EVH transition rules. Both LF Existing Vegetation Cover (EVC) and Height (EVH), as well as all fuels products, are 2023 capable in disturbed areas.

LF 2022 products are designed to facilitate national and regional level strategic fire and resource management planning and reporting of management activities. The principal purposes of the products include providing, 1) national level, landscape scale geospatial products to support fire and fuels management planning, and 2) consistent fuels products to support fire planning, analysis, and budgeting to evaluate fire management alternatives. Products are created at a 30-meter raster; however, the applicability of products varies by location and specific use. LF products were designed to support 1) national (all states) strategic planning, 2) regional (single large states or groups of smaller states), and 3) strategic/tactical planning for large sub regional landscapes and Fire Management Units (FMUs) (such as significant portions of states or multiple federal administrative entities). The applicability of LF products to support fire and land management planning on smaller areas will vary by product, location, and specific use. Managers and planners must evaluate LF products according to the scale and requirements specific to their needs.

Supplemental_Information:

Beginning in LF 2022 and onward, LANDFIRE Hawaii products are offered in the projection Hawaii_Albers_Equal_Area_Conic (ESRI: 102700).

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2022

Currentness_Reference: ground condition

Status:

 Progress: Complete
 Maintenance_and_Update_Frequency: Annually

Spatial_Domain:

 Bounding_Coordinates:

  West_Bounding_Coordinate: -160.6050
  East_Bounding_Coordinate: -154.7598
  North_Bounding_Coordinate: 22.2719
  South_Bounding_Coordinate: 18.8544

Keywords:

 Theme:

  Theme_Keyword_Thesaurus: ISO 19115 Topic Category
  Theme_Keyword: imageryBaseMapsEarthCover
  Theme_Keyword: biota

 Theme:

  Theme_Keyword_Thesaurus: USGS Thesaurus
  Theme_Keyword: fires
  Theme_Keyword: hazard preparedness
  Theme_Keyword: remote sensing
  Theme_Keyword: image collections
  Theme_Keyword: geospatial datasets
  Theme_Keyword: geographic information systems

 Theme:

  Theme_Keyword_Thesaurus: None
  Theme_Keyword: raster digital data
  Theme_Keyword: Existing Vegetation Type
  Theme_Keyword: EVT
  Theme_Keyword: U.S. Geological Survey (USGS)
  Theme_Keyword: U.S. Forest Service (USFS)
  Theme_Keyword: LANDFIRE 2022
  Theme_Keyword: LF 2022

 Place:

  Place_Keyword_Thesaurus: Common geographic areas
  Place_Keyword: US
  Place_Keyword: HI
  Place_Keyword: United States
  Place_Keyword: Hawaii
  Place_Keyword: OCONUS

Access_Constraints: None
Use_Constraints: None
Point_of_Contact:

Contact_Information:

    Contact_Organization_Primary:

        Contact_Organization:
            LANDFIRE, Earth Resources Observation and Science Center (EROS), U.S.
            Geological Survey

    Contact_Position: Customer Service Representative
    Contact_Address:

        Address_Type: physical
        Address: 47914 252nd Street
        City: Sioux Falls
        State_or_Province: SD
        Postal_Code: 57198
        Country: U.S.

    Contact_Voice_Telephone: 605-594-6151
    Contact_Electronic_Mail_Address: helpdesk@landfire.gov

Data_Set_Credit:
    These products were created by the LF team at USGS EROS, Sioux Falls, SD. Refer to the contact
    information throughout this metadata to contact the LF team.

Security_Information:

    Security_Classification_System: None in place
    Security_Classification: Unclassified
    Security_Handling_Description:
        If there is ever doubt, contact the LF Help Desk at helpdesk@landfire.gov

Native_Data_Set_Environment: Microsoft Windows 10; ESRI ArcGIS Suite

Cross_Reference:

    Citation_Information:

    Originator: USGS Advanced Research Computing (ARC)
    Publication_Date: 2021
    Title: USGS Denali Supercomputer: U.S. Geological Survey
    Geospatial_Data_Presentation_Form: publication
    Online_Linkage:
        https://www.usgs.gov/advanced-research-computing/usgs-denali-supercomputer
    Online_Linkage: https://www.usgs.gov/advanced-research-computing

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Data_Quality_Information:

    Attribute_Accuracy:

    Attribute_Accuracy_Report:
        LF 2022 EVT for natural vegetation is the same as LF 2016 Remap EVT except in recently
        disturbed and developed ruderal classes. Modeled vegetation from 2016 replaced these
        classes, if the pixels were outside of new burnable developed classes or urban. For LF Remap
        EVT the Auto-Keys process was re-designed. Auto-Keys are used to determine Existing
        Vegetation Type classification based on plot data in the LF Reference Database (LFRDB). A

validation of the EVT product is conducted by comparing the EVT product for a pixel with the Auto-Key EVT assignment for a sample plot contained in that pixel. These agreement assessments have been developed for each LF AK GeoArea. To read more about EVT agreement assessments go to https://www.landfire.gov/evt.php .

Logical_Consistency_Report:

The products were pixel "truth" tested for consistency of land or water characteristics across all products.

Completeness_Report:

Products were formally tested to ensure that valid data was produced for all pixels. Each product was then validated and tested for duplicates, omissions, and errors.

Lineage:

Process_Step:

Process_Description:

Beginning with the new base map of LF 2016 Remap (LF Remap), products were created using recent advances in image compositing, tiling algorithms, and faster computing hardware to ensure that LF products remained relevant. LF Remap leveraged the Landsat archive, lidar data, and user contributed field plot data compiled into the LF Reference Database (LFRDB), to create new vegetation products. Reference resources included, but were not limited to, Forest Inventory and Analysis (FIA) program plot data (USFS https://www.fia.fs.usda.gov/), Landsat Dynamic Surface Water Extent [(DSWE) USGS https://www.usgs.gov/landsat-missions], the National Land Cover Database [(NLCD) USGS https://www.mrlc.gov/data], and National Agricultural Statistics Service [(NASS) USDA - https://www.nass.usda.gov/]. For LF 2022 reference resources included, but were not limited to, Monitoring Trends in Burn Severity [(MTBS) USGS https://mtbs.gov/], Burned Area Reflectance Classification [(BARC) USFS and USGS] and Rapid Assessment of Vegetation Condition after Wildfire [(RAVG) https://burnseverity.cr.usgs.gov/ravg/], National Agricultural Statistics Service [(NASS) USDA - https://www.nass.usda.gov/] for 2022, PAD 3.0 for federal and protected lands identification [https://doi.org/10.5066/P9Q9LQ4B], and a rasterized version of the Microsoft building footprint for 2022 to update developed areas [https://github.com/Microsoft/USBuildingFootprints]. Disturbances in LF 2022 were also identified with LF's remote sensing of landscape change (RSLC), which identifies spectral change in vegetation using automated algorithms and image analyst review of the entire country with Landsat imagery. Burned Area (BA) data from Landsat was also used and national events (polygons) were used to identify areas and types of disturbance.

To read more about LF reference resources go to https://www.landfire.gov/reference.php. Information about LF 2022 product testing is available by request or via the website at https://www.landfire.gov.

Process_Date: 20231130

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster
Raster_Object_Information:

Raster_Object_Type: Grid Cell
Row_Count: 12600
Column_Count: 20385
Vertical_Count: 1

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Map_Projection_Name: Hawaii Albers Conical Equal Area
Albers_Conical_Equal_Area:

Standard_Parallel: 8.0
Standard_Parallel: 18.0
Longitude_of_Central_Meridian: -157.0
Latitude_of_Projection_Origin: 13.0
False_Easting: 0.0
False_Northing: 0.0

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: row and column
Coordinate_Representation:

Abscissa_Resolution: 30.0
Ordinate_Resolution: 30.0

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North_American_Datum_1983
Ellipsoid_Name: GRS 1980
Semi-major_Axis: 6378137.0
Denominator_of_Flattening_Ratio: 298.2572221010042

Vertical_Coordinate_System_Definition:

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: EVT
Entity_Type_Definition: LF2022 EVT attributes spreadsheet.
Entity_Type_Definition_Source: LF 2022

Attribute:

Attribute_Label: VALUE
Attribute_Definition: Code that identifies the vegetation and land cover types.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

          Enumerated_Domain_Value: -9999
          Enumerated_Domain_Value_Definition: NoData
          Enumerated_Domain_Value_Definition_Source: LF 2022
Attribute_Domain_Values:

      Range_Domain:

          Range_Domain_Minimum: 4401
          Range_Domain_Maximum: 9994

Attribute:

      Attribute_Label: EVT_NAME
      Attribute_Definition: Existing Vegetation Type name.
      Attribute_Definition_Source: LF 2022
      Attribute_Domain_Values:

      Unrepresentable_Domain: See the ADD for additional information.

Attribute:

      Attribute_Label: LFRDB
      Attribute_Definition: LF Reference Database (LFRDB) code.
      Attribute_Definition_Source: LF 2022
      Attribute_Domain_Values:

      Enumerated_Domain:

          Enumerated_Domain_Value: NA
          Enumerated_Domain_Value_Definition: NoData
          Enumerated_Domain_Value_Definition_Source: LF 2022

      Attribute_Domain_Values:

      Range_Domain:

          Range_Domain_Minimum: 4401
          Range_Domain_Maximum: 9994

Attribute:

      Attribute_Label: EVT_FUEL
      Attribute_Definition: EVT fuel code.
      Attribute_Definition_Source: LF 2022
      Attribute_Domain_Values:

      Enumerated_Domain:

          Enumerated_Domain_Value: NA
          Enumerated_Domain_Value_Definition: NoData
          Enumerated_Domain_Value_Definition_Source: LF 2022

      Attribute_Domain_Values:

      Range_Domain:

          Range_Domain_Minimum: 11

Range_Domain_Maximum: 4620

Attribute:

Attribute_Label: EVT_Fuel_N
Attribute_Definition: EVT fuel name.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Unrepresentable_Domain: See the ADD for additional information.

Attribute:

Attribute_Label: EVT_LF
Attribute_Definition: EVT lifeform.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Shrub
Enumerated_Domain_Value_Definition: Shrub lifeform.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Tree
Enumerated_Domain_Value_Definition: Tree lifeform.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Sparse
Enumerated_Domain_Value_Definition: Sparse.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Herb
    Enumerated_Domain_Value_Definition: Herbaceous lifeform.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Water
        Enumerated_Domain_Value_Definition: Water.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Barren
        Enumerated_Domain_Value_Definition: Barren.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed
        Enumerated_Domain_Value_Definition: Developed.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Snow-Ice
        Enumerated_Domain_Value_Definition: Snow/Ice.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Agriculture
        Enumerated_Domain_Value_Definition: Agriculture.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute:

Attribute_Label: EVT_PHYS
Attribute_Definition: EVT physiognomy.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: NA
        Enumerated_Domain_Value_Definition: NoData

Enumerated_Domain_Value_Definition_Source: LF 2022
Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Shrubland
        Enumerated_Domain_Value_Definition: Shrubland.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Riparian
        Enumerated_Domain_Value_Definition: Riparian.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Sparsely Vegetated
        Enumerated_Domain_Value_Definition: Sparse.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Grassland
        Enumerated_Domain_Value_Definition: Grassland.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Conifer
        Enumerated_Domain_Value_Definition: Conifer.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Hardwood
        Enumerated_Domain_Value_Definition: Hardwood.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Conifer-Hardwood
        Enumerated_Domain_Value_Definition: Conifer- Hardwood
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Open Water
        Enumerated_Domain_Value_Definition: Water
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Quarries-Strip Mines-Gravel Pits-Well and Wind Pads
        Enumerated_Domain_Value_Definition: Strip mines, gravel pits, well/wind pads.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed-Low Intensity
        Enumerated_Domain_Value_Definition: Low intensity.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed-Medium Intensity
        Enumerated_Domain_Value_Definition: Medium intensity.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed-High Intensity
        Enumerated_Domain_Value_Definition: High intensity.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed-Roads
        Enumerated_Domain_Value_Definition: Roads
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

    Enumerated_Domain:

        Enumerated_Domain_Value: Developed-Open Space
        Enumerated_Domain_Value_Definition: Open space.
        Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Snow-Ice
Enumerated_Domain_Value_Definition: Snow.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Agricultural
Enumerated_Domain_Value_Definition: Agricultural.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Developed
Enumerated_Domain_Value_Definition: Developed.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Exotic Herbaceous
Enumerated_Domain_Value_Definition: Exotic herbaceous.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Exotic Tree-Shrub
Enumerated_Domain_Value_Definition: Exotic tree shrub.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute:

Attribute_Label: EVT_GP
Attribute_Definition: EVT group code.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 11
Range_Domain_Maximum: 829

Attribute:

Attribute_Label: EVT_GP_N
Attribute_Definition: EVT group name.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Unrepresentable_Domain: See ADD for additional information.

Attribute:

Attribute_Label: SAF_SRM
Attribute_Definition:
    Crosswalk to Society of American Foresters and Society of Range Management cover
    types.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Unrepresentable_Domain:
    Crosswalk to Society of American Foresters and Society of Range Management
    cover types.

Attribute:

Attribute_Label: EVT_ORDER
Attribute_Definition: EVT physiognomic order from FGDC classification.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Shrub-dominated
Enumerated_Domain_Value_Definition: Shrub dominated.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: No dominant lifeform
Enumerated_Domain_Value_Definition: No dominant lifeform.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Herbaceous / Nonvascular-dominated
Enumerated_Domain_Value_Definition: Herbaceous dominated.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Tree-dominated
Enumerated_Domain_Value_Definition: Tree dominated.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: No Dominant Life Form
Enumerated_Domain_Value_Definition: No dominant life form.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Non-vegetated
Enumerated_Domain_Value_Definition: Non-vegetated.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute:

Attribute_Label: EVT_CLASS
Attribute_Definition: EVT physiognomic class from FGDC classification.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: NA
Enumerated_Domain_Value_Definition: NoData
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Dwarf Shrubland
    Enumerated_Domain_Value_Definition: Dward shrub.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Shrubland
    Enumerated_Domain_Value_Definition: Shrubland.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Sparsely Vegetated
    Enumerated_Domain_Value_Definition: Sparsely vegetated.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Herbaceous - forbland
    Enumerated_Domain_Value_Definition: Herbaceous forbs.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Closed tree canopy
    Enumerated_Domain_Value_Definition: Closed tree canopy.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Herbaceous - Shrub Steppe
    Enumerated_Domain_Value_Definition: Herbaceous shrub steppe.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

    Enumerated_Domain_Value: Open Tree Canopy
    Enumerated_Domain_Value_Definition: Open tree canopy.
    Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Herbaceous - Grassland
Enumerated_Domain_Value_Definition: Herbaceous grassland.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Nonvascular
Enumerated_Domain_Value_Definition: Non-vascular.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Sparse Tree Canopy
Enumerated_Domain_Value_Definition: Sparse tree canopy.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Non-vegetated
Enumerated_Domain_Value_Definition: Non-vegetated.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: No Dominant Lifeform
Enumerated_Domain_Value_Definition: None.
Enumerated_Domain_Value_Definition_Source: LF 2022

Attribute:

Attribute_Label: EVT_SBCLS
Attribute_Definition: EVT physiognomic subclass from FGDC classification.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Unrepresentable_Domain: See ADD for additional information.

Attribute:

Attribute_Label: R
Attribute_Definition: Red color value/255
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 255

Attribute:

Attribute_Label: G
Attribute_Definition: Green color value/255
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0
Range_Domain_Maximum: 255

Attribute:

Attribute_Label: B
Attribute_Definition: Blue color value/255
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0
Range_Domain_Maximum: 255

Attribute:

Attribute_Label: RED
Attribute_Definition: Red color value.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0.0
Range_Domain_Maximum: 1.0

Attribute:

Attribute_Label: GREEN
Attribute_Definition: Green color value.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0.0
Range_Domain_Maximum: 1.0

Attribute:

Attribute_Label: BLUE
Attribute_Definition: Blue color value.
Attribute_Definition_Source: LF 2022
Attribute_Domain_Values:

Range_Domain:

    Range_Domain_Minimum: 0.0
    Range_Domain_Maximum: 1.0
Overview_Description:

  Entity_and_Attribute_Overview:
      LANDFIRE (LF) 2022 Existing Vegetation Type (EVT) HI. An Attribute Table is included
      with each product download as a .csv and embedded in the metadata. The Attribute Data
      Dictionary (ADD) can be found at https://www.landfire.gov/.
  Entity_and_Attribute_Detail_Citation: https://www.landfire.gov/evt.php

---

Distribution_Information:

  Distributor:

    Contact_Information:

      Contact_Organization_Primary:

        Contact_Organization: U.S. Geological Survey
        Contact_Person: GS ScienceBase

      Contact_Address:

        Address_Type: mailing address
        Address: Denver Federal Center, Building 810, Mail Stop 302
        City: Denver
        State_or_Province: CO
        Postal_Code: 80225
        Country: United States

      Contact_Voice_Telephone: 1-888-275-8747
      Contact_Electronic_Mail_Address: sciencebase@usgs.gov

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  Standard_Order_Process:

    Digital_Form:

Digital_Transfer_Information:

 Format_Name: ARCG
 Format_Version_Date: 20231130
 Format_Specification: LF 2022

Digital_Transfer_Option:

 Online_Option:

  Computer_Contact_Information:

   Network_Address:

    Network_Resource_Name: https://doi.org/10.5066/P974JF8W

Fees: none

Metadata_Reference_Information:

Metadata_Date: 20231130
Metadata_Contact:

 Contact_Information:

  Contact_Organization_Primary:

   Contact_Organization:
    LANDFIRE, Earth Resources Observation and Science Center (EROS), U.S. Geological Survey

  Contact_Position: Customer Service Representative
  Contact_Address:

   Address_Type: physical
   Address: 47914 252nd Street
   City: Sioux Falls
   State_or_Province: SD
   Postal_Code: 57198
   Country: U.S.

  Contact_Voice_Telephone: 605-594-6151
  Contact_Electronic_Mail_Address: helpdesk@landfire.gov

Metadata_Standard_Name: FGDC Content Standard for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Security_Information:

 Metadata_Security_Classification_System: None
 Metadata_Security_Classification: Unclassified
 Metadata_Security_Handling_Description: None

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