



NASA RECOVER 2.0

Metadata

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RECOVER Fires

RECOVER_Fires

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University, WFIGS, Perimeters

Summary

Wildfire polygons created by ISU GIS TReC from WFIGS 2023 Interagency Fire Perimeters to Date where data packages are available for download. To access the data produced by the NASA RECOVER post-wildfire decision support system, use the URL download link that is found in the pop-up.

Source Data

Title: RECOVER Fires

Provider: NASA RECOVER

Acquired on: On going data collection with daily updates

Online Linkage:

https://services1.arcgis.com/z5tlnpYHokW9isdE/arcgis/rest/services/RECOVER_Fires/FeatureServer/0

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: *esriFieldTypeOID*, alias: *OBJECTID*, SQL Type: *sqlTypeOther*, length: 0, nullable: *false*, editable: *false*)
- *poly_IncidentName* (type: *esriFieldTypeString*, alias: *Incident Name (Polygon)*, SQL Type: *sqlTypeOther*, length: 50, nullable: *true*, editable: *true*)
- *poly_FeatureCategory* (type: *esriFieldTypeString*, alias: *Feature Category*, SQL Type: *sqlTypeOther*, length: 50, nullable: *true*, editable: *true*)
- *poly_MapMethod* (type: *esriFieldTypeString*, alias: *Map Method*, SQL Type: *sqlTypeOther*, length: 25, nullable: *true*, editable: *true*)
- *poly_GISAcres* (type: *esriFieldTypeDouble*, alias: *GIS Acres*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *poly_CreateDate* (type: *esriFieldTypeDate*, alias: *Polygon Create Date*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_DateCurrent* (type: *esriFieldTypeDate*, alias: *Polygon Modified Date*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_PolygonDateTime* (type: *esriFieldTypeDate*, alias: *Polygon Collection Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_Acres_AutoCalc* (type: *esriFieldTypeDouble*, alias: *Acres Auto Calculated*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *poly_GlobalID* (type: *esriFieldTypeString*, alias: *Polygon GlobalID*, SQL Type: *sqlTypeOther*, length: 38, nullable: *true*, editable: *true*)

- *poly_Source* (type: *esriFieldTypeString*, alias: *Polygon Source*, SQL Type: *sqlTypeOther*, length: 12, nullable: true, editable: true)
- *irwin_ABCDMisc* (type: *esriFieldTypeString*, alias: *ABCD Misc*, SQL Type: *sqlTypeOther*, length: 4, nullable: true, editable: true)
- *irwin_ADSPermissionState* (type: *esriFieldTypeString*, alias: *ADS Permission State*, SQL Type: *sqlTypeOther*, length: 25, nullable: true, editable: true)
- *irwin_CalculatedAcres* (type: *esriFieldTypeDouble*, alias: *IRWIN Calculated Acres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_ContainmentDateTime* (type: *esriFieldTypeDate*, alias: *Containment Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_ControlDateTime* (type: *esriFieldTypeDate*, alias: *Control Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_DailyAcres* (type: *esriFieldTypeDouble*, alias: *Incident Size*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_DiscoveryAcres* (type: *esriFieldTypeDouble*, alias: *Discovery Acres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_DispatchCenterID* (type: *esriFieldTypeString*, alias: *Dispatch Center ID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_EstimatedCostToDate* (type: *esriFieldTypeDouble*, alias: *Estimated Cost To Date*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_FFReportApprovedByTitle* (type: *esriFieldTypeString*, alias: *FF Report Approved By Title*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *irwin_FFReportApprovedByUnit* (type: *esriFieldTypeString*, alias: *FF Report Approved By Unit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_FFReportApprovedDate* (type: *esriFieldTypeDate*, alias: *FF Report Approved Date*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_FireBehaviorGeneral* (type: *esriFieldTypeString*, alias: *Fire Behavior General*, SQL Type: *sqlTypeOther*, length: 20, nullable: true, editable: true)
- *irwin_FireBehaviorGeneral1* (type: *esriFieldTypeString*, alias: *Fire Behavior General 1*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_FireBehaviorGeneral2* (type: *esriFieldTypeString*, alias: *Fire Behavior General 2*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_FireBehaviorGeneral3* (type: *esriFieldTypeString*, alias: *Fire Behavior General 3*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_FireCause* (type: *esriFieldTypeString*, alias: *Fire Cause*, SQL Type: *sqlTypeOther*, length: 15, nullable: true, editable: true)
- *irwin_FireCauseGeneral* (type: *esriFieldTypeString*, alias: *Fire Cause General*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *irwin_FireCauseSpecific* (type: *esriFieldTypeString*, alias: *Fire Cause Specific*, SQL Type: *sqlTypeOther*, length: 200, nullable: true, editable: true)

- *irwin_FireCode* (type: *esriFieldTypeString*, alias: *Fire Code*, SQL Type: *sqlTypeOther*, length: 4, nullable: true, editable: true)
- *irwin_FireDepartmentID* (type: *esriFieldTypeString*, alias: *Fire Department ID*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *irwin_FireDiscoveryDateTime* (type: *esriFieldTypeDate*, alias: *Fire Discovery Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_FireMgmtComplexity* (type: *esriFieldTypeString*, alias: *Fire Mgmt Complexity*, SQL Type: *sqlTypeOther*, length: 25, nullable: true, editable: true)
- *irwin_FireOutDateTime* (type: *esriFieldTypeDate*, alias: *Fire Out Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_FSConfinePercent* (type: *esriFieldTypeSmallInteger*, alias: *FS Confine Percent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_FSFullSuppPercent* (type: *esriFieldTypeSmallInteger*, alias: *FS Full Suppression Percent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_FSMonitorPercent* (type: *esriFieldTypeSmallInteger*, alias: *FS Monitor Percent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_FSPointZonePercent* (type: *esriFieldTypeSmallInteger*, alias: *FS Point Zone Percent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_FSJobCode* (type: *esriFieldTypeString*, alias: *FS Job Code*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *irwin_FSOVERRIDECode* (type: *esriFieldTypeString*, alias: *FS Override Code*, SQL Type: *sqlTypeOther*, length: 4, nullable: true, editable: true)
- *irwin_GACC* (type: *esriFieldTypeString*, alias: *GACC*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_ICS209ReportDateTime* (type: *esriFieldTypeDate*, alias: *ICS 209 Report Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_ICS209RForTimePeriodFrom* (type: *esriFieldTypeDate*, alias: *ICS 209 Report For Time Period From*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_ICS209RForTimePeriodTo* (type: *esriFieldTypeDate*, alias: *ICS 209 Report For Time Period To*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_ICS209ReportStatus* (type: *esriFieldTypeString*, alias: *ICS 209 Report Status*, SQL Type: *sqlTypeOther*, length: 1, nullable: true, editable: true)
- *irwin_IncidentManagementOrg* (type: *esriFieldTypeString*, alias: *Incident Management Org*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *irwin_IncidentName* (type: *esriFieldTypeString*, alias: *IRWIN Incident Name*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_IncidentShortDescription* (type: *esriFieldTypeString*, alias: *Incident Short Description*, SQL Type: *sqlTypeOther*, length: 80, nullable: true, editable: true)
- *irwin_IncidentTypeCategory* (type: *esriFieldTypeString*, alias: *Incident Type Category*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)

- *irwin_IncidentTypeKind* (type: *esriFieldTypeString*, alias: *Incident Type Kind*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *irwin_InitialLatitude* (type: *esriFieldTypeDouble*, alias: *Initial Latitude*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_InitialLongitude* (type: *esriFieldTypeDouble*, alias: *Initial Longitude*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_InitialResponseAcres* (type: *esriFieldTypeDouble*, alias: *Initial Response Acres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_InitialResponseDateTime* (type: *esriFieldTypeDate*, alias: *Initial Response Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_IrwinID* (type: *esriFieldTypeString*, alias: *IRWIN ID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *irwin_IsFireCauseInvestigated* (type: *esriFieldTypeSmallInteger*, alias: *Is Fire Cause Investigated*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsFireCodeRequested* (type: *esriFieldTypeSmallInteger*, alias: *Is Fire Code Requested*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsFSAssisted* (type: *esriFieldTypeSmallInteger*, alias: *Is FS Assisted*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsMultiJurisdictional* (type: *esriFieldTypeSmallInteger*, alias: *Is Multi Jurisdictional*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsReimbursable* (type: *esriFieldTypeSmallInteger*, alias: *Is Reimbursable*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsTrespass* (type: *esriFieldTypeSmallInteger*, alias: *Is Trespass*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_IsUnifiedCommand* (type: *esriFieldTypeSmallInteger*, alias: *Is Unified Command*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_LocalIncidentIdentifier* (type: *esriFieldTypeString*, alias: *Local Incident Identifier*, SQL Type: *sqlTypeOther*, length: 10, nullable: true, editable: true)
- *irwin_PercentContained* (type: *esriFieldTypeDouble*, alias: *Percent Contained*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_PercentPerToBeContained* (type: *esriFieldTypeDouble*, alias: *Percent To Be Contained*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_POOCity* (type: *esriFieldTypeString*, alias: *POO City*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_POOCounty* (type: *esriFieldTypeString*, alias: *POO County*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *irwin_POODispatchCenterID* (type: *esriFieldTypeString*, alias: *POO Dispatch Center ID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_POOFips* (type: *esriFieldTypeString*, alias: *POO Fips*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)

- *irwin_POOJurisdictionalAgency* (type: *esriFieldTypeString*, alias: *POO Jurisdictional Agency*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_POOJurisdictionalUnit* (type: *esriFieldTypeString*, alias: *POO Jurisdictional Unit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_POOJurisdUnitParentUnit* (type: *esriFieldTypeString*, alias: *POO Jurisdictional Unit Parent Unit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_POOLandownerCategory* (type: *esriFieldTypeString*, alias: *POO Landowner Category*, SQL Type: *sqlTypeOther*, length: 7, nullable: true, editable: true)
- *irwin_POOLandownerKind* (type: *esriFieldTypeString*, alias: *POO Landowner Kind*, SQL Type: *sqlTypeOther*, length: 7, nullable: true, editable: true)
- *irwin_POOLegalDescPrinMeridian* (type: *esriFieldTypeString*, alias: *POO Legal Desc Principal Meridian*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)
- *irwin_POOLegalDescQtr* (type: *esriFieldTypeString*, alias: *POO Legal Desc Qtr*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *irwin_POOLegalDescQtrQtr* (type: *esriFieldTypeString*, alias: *POO Legal Desc Qtr Qtr*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *irwin_POOLegalDescRange* (type: *esriFieldTypeString*, alias: *POO Legal Desc Range*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *irwin_POOLegalDescSection* (type: *esriFieldTypeSmallInteger*, alias: *POO Legal Desc Section*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_POOLegalDescTownship* (type: *esriFieldTypeString*, alias: *POO Legal Desc Township*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *irwin_POOPredServiceAreaID* (type: *esriFieldTypeString*, alias: *POO Pred Service Area ID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_POOProtectingAgency* (type: *esriFieldTypeString*, alias: *POO Protecting Agency*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_POOProtectingUnit* (type: *esriFieldTypeString*, alias: *POO Protecting Unit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_POOState* (type: *esriFieldTypeString*, alias: *POO State*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *irwin_PredominantFuelGroup* (type: *esriFieldTypeString*, alias: *Predominant Fuel Group*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *irwin_PredominantFuelModel* (type: *esriFieldTypeString*, alias: *Predominant Fuel Model*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *irwin_PrimaryFuelModel* (type: *esriFieldTypeString*, alias: *Primary Fuel Model*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)
- *irwin_SecondaryFuelModel* (type: *esriFieldTypeString*, alias: *Secondary Fuel Model*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)
- *irwin_TotalIncidentPersonnel* (type: *esriFieldTypeInteger*, alias: *Total Incident Personnel*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)

- *irwin_WFDSSDecisionStatus* (type: *esriFieldTypeString*, alias: *WFDSS Decision Status*, SQL Type: *sqlTypeOther*, length: 20, nullable: true, editable: true)
- *irwin_CreatedBySystem* (type: *esriFieldTypeString*, alias: *IRWIN Created By System*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *irwin_ModifiedBySystem* (type: *esriFieldTypeString*, alias: *IRWIN Modified By System*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *irwin_IsDispatchComplete* (type: *esriFieldTypeInteger*, alias: *Is Dispatch Complete*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_OrganizationalAssessment* (type: *esriFieldTypeString*, alias: *Organizational Assessment*, SQL Type: *sqlTypeOther*, length: 256, nullable: true, editable: true)
- *irwin_StratDecisionPublishDate* (type: *esriFieldTypeDate*, alias: *Strategic Decision Publish Date*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_GlobalID* (type: *esriFieldTypeString*, alias: *IRWIN GlobalID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *irwin_Source* (type: *esriFieldTypeString*, alias: *IRWIN Source*, SQL Type: *sqlTypeOther*, length: 25, nullable: true, editable: true)
- *irwin_ArchivedOn* (type: *esriFieldTypeDouble*, alias: *IRWIN Archived On*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_ModifiedOnDateTime_dt* (type: *esriFieldTypeDate*, alias: *IRWIN Modified On Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_CreatedOnDateTime_dt* (type: *esriFieldTypeDate*, alias: *IRWIN Created On Date Time*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *irwin_IsCpxChild* (type: *esriFieldTypeInteger*, alias: *Is Part of Complex*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *irwin_CpxName* (type: *esriFieldTypeString*, alias: *Complex Name*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *irwin_CpxID* (type: *esriFieldTypeString*, alias: *Complex ID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *irwin_UniqueFireIdentifier* (type: *esriFieldTypeString*, alias: *Unique Fire Identifier*, SQL Type: *sqlTypeOther*, length: 22, nullable: true, editable: true)
- *URL* (type: *esriFieldTypeString*, alias: *Download RECOVER data package*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *FREQUENCY* (type: *esriFieldTypeInteger*, alias: *FREQUENCY*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *MAX_poly_DateCurrent* (type: *esriFieldTypeDouble*, alias: *MAX_poly_DateCurrent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *Shape__Area* (type: *esriFieldTypeDouble*, alias: *Shape__Area*, SQL Type: *sqlTypeDouble*, nullable: true, editable: false)
- *Shape__Length* (type: *esriFieldTypeDouble*, alias: *Shape__Length*, SQL Type: *sqlTypeDouble*, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: N/A

Last Updated: N/A

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

WFIGS Interagency Fire Perimeters To Date

Fires1950_present

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University, WFIGS, wildfire, fire, DSS

Summary

The Wildland Fire Interagency Geospatial Services (WFIGS) Group provides authoritative geospatial data products under the interagency Wildland Fire Data Program. Hosted in the National Interagency Fire Center ArcGIS Online Organization (The NIFC Org), WFIGS provides both internal and public facing data, accessible in a variety of formats. This service includes perimeters for wildland fire incidents that meet the following criteria: Categorized in the IRWIN (Integrated 4 Reporting of Wildland Fire Information) integration service as a Wildfire (WF) or Prescribed Fire (RX)

Source Data

Title: Perimeters

Provider: Wildland Fire Interagency Geospatial Services (WFIGS)

Location: WFIGS Interagency Perimeters YearToDate (Feature Server)

Last Modified: Updates daily

Online Linkage:

[https://services3.arcgis.com/T4QMspbflg3qTGWY/ArcGIS/rest/services/WFIGS Interagency Perimeters Ye arToDate/FeatureServer](https://services3.arcgis.com/T4QMspbflg3qTGWY/ArcGIS/rest/services/WFIGS_Interagency_Perimeters_Ye arToDate/FeatureServer)

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: *esriFieldTypeOID*, alias: *OBJECTID*, SQL Type: *sqlTypeOther*, length: 0, nullable: *false*, editable: *false*)
- *poly_SourceOID* (type: *esriFieldTypeInteger*, alias: *poly_SourceOID*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *poly_IncidentName* (type: *esriFieldTypeString*, alias: *poly_IncidentName*, SQL Type: *sqlTypeOther*, length: 50, nullable: *true*, editable: *true*)
- *poly_FeatureCategory* (type: *esriFieldTypeString*, alias: *poly_FeatureCategory*, SQL Type: *sqlTypeOther*, length: 50, nullable: *true*, editable: *true*)
- *poly_MapMethod* (type: *esriFieldTypeString*, alias: *poly_MapMethod*, SQL Type: *sqlTypeOther*, length: 25, nullable: *true*, editable: *true*)
- *poly_GISAcres* (type: *esriFieldTypeDouble*, alias: *poly_GISAcres*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *poly_CreateDate* (type: *esriFieldTypeDate*, alias: *poly_CreateDate*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_DateCurrent* (type: *esriFieldTypeDate*, alias: *poly_DateCurrent*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_PolygonDateTime* (type: *esriFieldTypeDate*, alias: *poly_PolygonDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *poly_IRWINID* (type: *esriFieldTypeString*, alias: *poly_IRWINID*, SQL Type: *sqlTypeOther*, length: 38, nullable: *true*, editable: *true*)
- *poly_FORID* (type: *esriFieldTypeString*, alias: *poly_FORID*, SQL Type: *sqlTypeOther*, length: 38, nullable: *true*, editable: *true*)
- *poly_Acres_AutoCalc* (type: *esriFieldTypeDouble*, alias: *poly_Acres_AutoCalc*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *poly_SourceGlobalID* (type: *esriFieldTypeString*, alias: *poly_SourceGlobalID*, SQL Type: *sqlTypeOther*, length: 38, nullable: *true*, editable: *true*)
- *poly_Source* (type: *esriFieldTypeString*, alias: *poly_Source*, SQL Type: *sqlTypeOther*, length: 50, nullable: *true*, editable: *true*)
- *attr_SourceOID* (type: *esriFieldTypeInteger*, alias: *attr_SourceOID*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*)
- *attr_ABCDMisc* (type: *esriFieldTypeString*, alias: *attr_ABCDMisc*, SQL Type: *sqlTypeOther*, length: 4, nullable: *true*, editable: *true*)

- *attr_ADSPermissionState* (type: *esriFieldTypeString*, alias: *attr_ADSPermissionState*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_CalculatedAcres* (type: *esriFieldTypeDouble*, alias: *attr_CalculatedAcres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_ContainmentDateTime* (type: *esriFieldTypeDate*, alias: *attr_ContainmentDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_ControlDateTime* (type: *esriFieldTypeDate*, alias: *attr_ControlDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_CreatedBySystem* (type: *esriFieldTypeString*, alias: *attr_CreatedBySystem*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *attr_IncidentSize* (type: *esriFieldTypeDouble*, alias: *attr_IncidentSize*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_DiscoveryAcres* (type: *esriFieldTypeDouble*, alias: *attr_DiscoveryAcres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_DispatchCenterID* (type: *esriFieldTypeString*, alias: *attr_DispatchCenterID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_EstimatedCostToDate* (type: *esriFieldTypeDouble*, alias: *attr_EstimatedCostToDate*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FinalAcres* (type: *esriFieldTypeDouble*, alias: *attr_FinalAcres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FFReportApprovedByTitle* (type: *esriFieldTypeString*, alias: *attr_FFReportApprovedByTitle*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_FFReportApprovedByUnit* (type: *esriFieldTypeString*, alias: *attr_FFReportApprovedByUnit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_FFReportApprovedDate* (type: *esriFieldTypeDate*, alias: *attr_FFReportApprovedDate*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_FireBehaviorGeneral* (type: *esriFieldTypeString*, alias: *attr_FireBehaviorGeneral*, SQL Type: *sqlTypeOther*, length: 20, nullable: true, editable: true)
- *attr_FireBehaviorGeneral1* (type: *esriFieldTypeString*, alias: *attr_FireBehaviorGeneral1*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_FireBehaviorGeneral2* (type: *esriFieldTypeString*, alias: *attr_FireBehaviorGeneral2*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_FireBehaviorGeneral3* (type: *esriFieldTypeString*, alias: *attr_FireBehaviorGeneral3*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_FireCause* (type: *esriFieldTypeString*, alias: *attr_FireCause*, SQL Type: *sqlTypeOther*, length: 15, nullable: true, editable: true)
- *attr_FireCauseGeneral* (type: *esriFieldTypeString*, alias: *attr_FireCauseGeneral*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_FireCauseSpecific* (type: *esriFieldTypeString*, alias: *attr_FireCauseSpecific*, SQL Type: *sqlTypeOther*, length: 200, nullable: true, editable: true)

- *attr_FireCode* (type: *esriFieldTypeString*, alias: *attr_FireCode*, SQL Type: *sqlTypeOther*, length: 4, nullable: true, editable: true)
- *attr_FireDepartmentID* (type: *esriFieldTypeString*, alias: *attr_FireDepartmentID*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *attr_FireDiscoveryDateTime* (type: *esriFieldTypeDate*, alias: *attr_FireDiscoveryDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_FireMgmtComplexity* (type: *esriFieldTypeString*, alias: *attr_FireMgmtComplexity*, SQL Type: *sqlTypeOther*, length: 25, nullable: true, editable: true)
- *attr_FireOutDateTime* (type: *esriFieldTypeDate*, alias: *attr_FireOutDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_FireStrategyConfinePercent* (type: *esriFieldTypeSmallInteger*, alias: *attr_FireStrategyConfinePercent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FireStrategyFullSuppPrcnt* (type: *esriFieldTypeSmallInteger*, alias: *attr_FireStrategyFullSuppPrcnt*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FireStrategyMonitorPercent* (type: *esriFieldTypeSmallInteger*, alias: *attr_FireStrategyMonitorPercent*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FireStrategyPointZonePrcnt* (type: *esriFieldTypeSmallInteger*, alias: *attr_FireStrategyPointZonePrcnt*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_FSJobCode* (type: *esriFieldTypeString*, alias: *attr_FSJobCode*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *attr_FSOVERRIDECode* (type: *esriFieldTypeString*, alias: *attr_FSOVERRIDECode*, SQL Type: *sqlTypeOther*, length: 4, nullable: true, editable: true)
- *attr_GACC* (type: *esriFieldTypeString*, alias: *attr_GACC*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_ICCS209ReportDateTime* (type: *esriFieldTypeDate*, alias: *attr_ICCS209ReportDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_ICCS209RptForTimePeriodFrom* (type: *esriFieldTypeDate*, alias: *attr_ICCS209RptForTimePeriodFrom*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_ICCS209RptForTimePeriodTo* (type: *esriFieldTypeDate*, alias: *attr_ICCS209RptForTimePeriodTo*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_ICCS209ReportStatus* (type: *esriFieldTypeString*, alias: *attr_ICCS209ReportStatus*, SQL Type: *sqlTypeOther*, length: 1, nullable: true, editable: true)
- *attr_IncidentManagementOrg* (type: *esriFieldTypeString*, alias: *attr_IncidentManagementOrg*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *attr_IncidentName* (type: *esriFieldTypeString*, alias: *attr_IncidentName*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_IncidentShortDescription* (type: *esriFieldTypeString*, alias: *attr_IncidentShortDescription*, SQL Type: *sqlTypeOther*, length: 80, nullable: true, editable: true)
- *attr_IncidentTypeCategory* (type: *esriFieldTypeString*, alias: *attr_IncidentTypeCategory*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)

- *attr_IncidentTypeKind* (type: *esriFieldTypeString*, alias: *attr_IncidentTypeKind*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *attr_InitialLatitude* (type: *esriFieldTypeDouble*, alias: *attr_InitialLatitude*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_InitialLongitude* (type: *esriFieldTypeDouble*, alias: *attr_InitialLongitude*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_InitialResponseAcres* (type: *esriFieldTypeDouble*, alias: *attr_InitialResponseAcres*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_InitialResponseDateTime* (type: *esriFieldTypeDate*, alias: *attr_InitialResponseDateTime*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_IrwinID* (type: *esriFieldTypeString*, alias: *attr_IrwinID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *attr_IsFireCauseInvestigated* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsFireCauseInvestigated*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsFireCodeRequested* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsFireCodeRequested*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsFSAssisted* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsFSAssisted*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsMultiJurisdictional* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsMultiJurisdictional*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsReimbursable* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsReimbursable*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsTrespass* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsTrespass*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_IsUnifiedCommand* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsUnifiedCommand*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_LocalIncidentIdentifier* (type: *esriFieldTypeString*, alias: *attr_LocalIncidentIdentifier*, SQL Type: *sqlTypeOther*, length: 10, nullable: true, editable: true)
- *attr_ModifiedBySystem* (type: *esriFieldTypeString*, alias: *attr_ModifiedBySystem*, SQL Type: *sqlTypeOther*, length: 255, nullable: true, editable: true)
- *attr_PercentContained* (type: *esriFieldTypeDouble*, alias: *attr_PercentContained*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_PercentPerimToBeContained* (type: *esriFieldTypeDouble*, alias: *attr_PercentPerimToBeContained*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_POOCity* (type: *esriFieldTypeString*, alias: *attr_POOCity*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_POOCounty* (type: *esriFieldTypeString*, alias: *attr_POOCounty*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_POODispatchCenterID* (type: *esriFieldTypeString*, alias: *attr_POODispatchCenterID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)

- *attr_POOFips* (type: *esriFieldTypeString*, alias: *attr_POOFips*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *attr_POOJurisdictionalAgency* (type: *esriFieldTypeString*, alias: *attr_POOJurisdictionalAgency*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_POOJurisdictionalUnit* (type: *esriFieldTypeString*, alias: *attr_POOJurisdictionalUnit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_POOJurisdictUnitParentUnit* (type: *esriFieldTypeString*, alias: *attr_POOJurisdictUnitParentUnit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_POOLandownerCategory* (type: *esriFieldTypeString*, alias: *attr_POOLandownerCategory*, SQL Type: *sqlTypeOther*, length: 7, nullable: true, editable: true)
- *attr_POOLandownerKind* (type: *esriFieldTypeString*, alias: *attr_POOLandownerKind*, SQL Type: *sqlTypeOther*, length: 7, nullable: true, editable: true)
- *attr_POOLegalDescPrincipalMerid* (type: *esriFieldTypeString*, alias: *attr_POOLegalDescPrincipalMerid*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)
- *attr_POOLegalDescQtr* (type: *esriFieldTypeString*, alias: *attr_POOLegalDescQtr*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *attr_POOLegalDescQtrQtr* (type: *esriFieldTypeString*, alias: *attr_POOLegalDescQtrQtr*, SQL Type: *sqlTypeOther*, length: 2, nullable: true, editable: true)
- *attr_POOLegalDescRange* (type: *esriFieldTypeString*, alias: *attr_POOLegalDescRange*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *attr_POOLegalDescSection* (type: *esriFieldTypeSmallInteger*, alias: *attr_POOLegalDescSection*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_POOLegalDescTownship* (type: *esriFieldTypeString*, alias: *attr_POOLegalDescTownship*, SQL Type: *sqlTypeOther*, length: 5, nullable: true, editable: true)
- *attr_POOPredictiveServiceAreaID* (type: *esriFieldTypeString*, alias: *attr_POOPredictiveServiceAreaID*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_POOProtectingAgency* (type: *esriFieldTypeString*, alias: *attr_POOProtectingAgency*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_POOProtectingUnit* (type: *esriFieldTypeString*, alias: *attr_POOProtectingUnit*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_POOState* (type: *esriFieldTypeString*, alias: *attr_POOState*, SQL Type: *sqlTypeOther*, length: 6, nullable: true, editable: true)
- *attr_PredominantFuelGroup* (type: *esriFieldTypeString*, alias: *attr_PredominantFuelGroup*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_PredominantFuelModel* (type: *esriFieldTypeString*, alias: *attr_PredominantFuelModel*, SQL Type: *sqlTypeOther*, length: 100, nullable: true, editable: true)
- *attr_PrimaryFuelModel* (type: *esriFieldTypeString*, alias: *attr_PrimaryFuelModel*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)
- *attr_SecondaryFuelModel* (type: *esriFieldTypeString*, alias: *attr_SecondaryFuelModel*, SQL Type: *sqlTypeOther*, length: 30, nullable: true, editable: true)

- *attr_TotalIncidentPersonnel* (type: *esriFieldTypeInteger*, alias: *attr_TotalIncidentPersonnel*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_UniqueFireIdentifier* (type: *esriFieldTypeString*, alias: *attr_UniqueFireIdentifier*, SQL Type: *sqlTypeOther*, length: 22, nullable: true, editable: true)
- *attr_FORID* (type: *esriFieldTypeString*, alias: *attr_FORID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *attr_WFDSSDecisionStatus* (type: *esriFieldTypeString*, alias: *attr_WFDSSDecisionStatus*, SQL Type: *sqlTypeOther*, length: 20, nullable: true, editable: true)
- *attr_EstimatedFinalCost* (type: *esriFieldTypeDouble*, alias: *attr_EstimatedFinalCost*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_OrganizationalAssessment* (type: *esriFieldTypeString*, alias: *attr_OrganizationalAssessment*, SQL Type: *sqlTypeOther*, length: 25, nullable: true, editable: true)
- *attr_StratDecisionPublishDate* (type: *esriFieldTypeDate*, alias: *attr_StratDecisionPublishDate*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_CreatedOnDateTime_dt* (type: *esriFieldTypeDate*, alias: *attr_CreatedOnDateTime_dt*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_ModifiedOnDateTime_dt* (type: *esriFieldTypeDate*, alias: *attr_ModifiedOnDateTime_dt*, SQL Type: *sqlTypeOther*, length: 8, nullable: true, editable: true)
- *attr_Source* (type: *esriFieldTypeString*, alias: *attr_Source*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_IsCpxChild* (type: *esriFieldTypeSmallInteger*, alias: *attr_IsCpxChild*, SQL Type: *sqlTypeOther*, nullable: true, editable: true)
- *attr_CpxName* (type: *esriFieldTypeString*, alias: *attr_CpxName*, SQL Type: *sqlTypeOther*, length: 50, nullable: true, editable: true)
- *attr_CpxID* (type: *esriFieldTypeString*, alias: *attr_CpxID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *attr_SourceGlobalID* (type: *esriFieldTypeString*, alias: *attr_SourceGlobalID*, SQL Type: *sqlTypeOther*, length: 38, nullable: true, editable: true)
- *GlobalID* (type: *esriFieldTypeGlobalID*, alias: *GlobalID*, SQL Type: *sqlTypeOther*, length: 38, nullable: false, editable: false)
- *Shape__Area* (type: *esriFieldTypeDouble*, alias: *Shape__Area*, SQL Type: *sqlTypeDouble*, nullable: true, editable: true)
- *Shape__Length* (type: *esriFieldTypeDouble*, alias: *Shape__Length*, SQL Type: *sqlTypeDouble*, nullable: true, editable: true)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: National Interagency Fire Center Center

Contact Email: nifc_public_data@firenet.gov

Credits

WFIGS, NIFC, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 4/??/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Post-Wildfire Debris Flow

WEBSERVICE_PostWildfireDebrisFlow_USGS

Type Web Service

Tags NASA, RECOVER, GIS TReC at Idaho State University, USGS, PWDFD

Summary

Live post-fire debris-flow hazard assessments for select fires in the Western U.S. as produced by the USGS authoritative source. Geospatial data related to basin morphometry, burn severity, soil properties, and rainfall characteristics are used to estimate the probability and volume of debris flows that may occur in response to a design storm.

Source Data

Title: Post-wildfire Debris Flow

Provider: USGS

Location: ls/pwdfd_2022 (MapServer)

Acquired: 2022

Online Linkage: https://earthquake.usgs.gov/arcgis/rest/services/ls/pwdfd_2022/MapServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Layers

[*Debris Basins*](#)

[*Basin Outlets*](#)

[Fire Perimeter](#)
[Watchstreams](#)
[Segment Probability Estimates](#)
[Segment Volume Estimates](#)
[Segment Combined Hazard Estimates](#)
[Basin Probability Estimates](#)
[Basin Volume Estimates](#)
[Basin Combined Hazard Estimates](#)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Contact's Position: USGS Science Information Specialist

Organization's Name: USGS

Contact: 1-888-392-8545

Credits

USGS, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: As needed, live data feed from authoritative source

Last Updated: 2022

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Landslide Potential

LandslidePotential

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University,

Summary

Landslide potential classified across the Western US by...?.

Source Data

Provider: USGS

Acquired: 2012

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *INC_SUS* (type: Text, alias: INC_SUS, nullable: true, editable: true)
- *Shape_Length* (type: Double, alias: Shape_Length, nullable: true, editable: false)
- *Shape_Area* (type: Double, alias: Shape_Area, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Contact's Position: USGS Science Information Specialist

Organization's Name: USGS

Contact: 1-888-392-8545

Credits

USGS, NASA RECOVER, GIS TRc at Idaho State University

Maintenance (RECOVER)

Update Frequency: As needed

Last Updated: 2012

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Preliminary Fire Severity (dNBR)

WEBSERVICE_Preliminary FireSeverity (dNBR)

Type Raster Dataset

Tags NASA, RECOVER, GIS TReC at Idaho State University, wildfire, dNBR, fire severity, DSS

Summary

Landsat and Sentinel satellite imagery describing fire severity using pre- and post-fire normalized burn ratio (NBR) and finally, differenced NBR data (dNBR). These data have not been validated in the field and are considered a preliminary product meant to help direct field validation efforts. These data were produced by USDA Forest Service MTBS, USDA Forest Service Geospatial Technology and Applications Center (GTAC) to support Burned Area Emergency Response (BAER) teams.

Source Data

Title: BAER Imagery Data

Provider: GTAC

Location: BAER Imagery Support Data Download

Last Modified: 10/19/2023

Acquired on: 3/26/2024

Online Linkage: <https://burnseverity.cr.usgs.gov/baer/baer-imagery-support-data-download>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: esriFieldTypeOID, alias: OBJECTID)
- *Shape* (type: esriFieldTypeGeometry, alias: Shape)
- *Name* (type: esriFieldTypeString, alias: Name, length: 200)
- *MinPS* (type: esriFieldTypeDouble, alias: MinPS)
- *MaxPS* (type: esriFieldTypeDouble, alias: MaxPS)
- *LowPS* (type: esriFieldTypeDouble, alias: LowPS)
- *HighPS* (type: esriFieldTypeDouble, alias: HighPS)
- *Category* (type: esriFieldTypeInteger, alias: Category , Coded Values: [0: Unknown] , [1: Primary] , [2: Overview] , ...6 more...)
- *Tag* (type: esriFieldTypeString, alias: Tag, length: 100)
- *GroupName* (type: esriFieldTypeString, alias: GroupName, length: 100)
- *ProductName* (type: esriFieldTypeString, alias: ProductName, length: 100)
- *CenterX* (type: esriFieldTypeDouble, alias: CenterX)
- *CenterY* (type: esriFieldTypeDouble, alias: CenterY)
- *ZOrder* (type: esriFieldTypeInteger, alias: ZOrder)
- *Shape_Length* (type: esriFieldTypeDouble, alias: Shape_Length)
- *Shape_Area* (type: esriFieldTypeDouble, alias: Shape_Area)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: BAE Imagery Support (GTAC)

Contact Email: SM.FSBAEImagery@usda.gov

Credits

USDA Forest Service GTAC, MTBS Program, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Monthly

Last Updated: 1/1/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Historic Fires Since 1950

HFD_PreviousFires

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University, wildfire, dNBR, fire severity, DSS

Summary

The Historic Fires Database (HFD) and specifically the Fires1950 to Present polygon feature class was initially developed to support the NASA RECOVER wildfire decision support system (DSS) at Idaho State University's GIS Training and Research Center (GIS TReC). Visit <http://giscenter.isu.edu/research/Techpg/HFD/index.htm> for additional details. A minimum mapping unit (MMU) of 1 acre (4,046 sq. meters) was applied on May 31st 2022 to eliminate potential errors (slivers) as well as prescribed fire slash pile fires.

This is a relational database. Some fires may have more than one unique identifier. Additional identifiers can be found in the Alternate_info table using the FireID field as the relate field. A relationship class has already been setup to aid the consumer. Using ArcGIS you can view related data by first selecting a fire (polygon) and then view the related data to see any additional unique identifiers that may be associated with this fire.

This feature class have been updated to include 2021 wildfires. The last edit session was completed on May 31st, 2022.

Source Data

Title: Historic Fires Database

Provider: NASA RECOVER / Idaho State University GIS TReC

Location: ISU GIS Training and Research Center > Research > HFD- Historic Fire Database

Last Modified: 5/31/2022

Acquired on: 2020

Online Linkage: <https://giscenter.isu.edu/research/Techpg/HFD/index.htm>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *FIRE_NAME* (type: Text, alias: Fire Name, nullable: true, editable: true)
- *FIRE_Number* (type: Text, alias: Fire Number, nullable: true, editable: true)
- *FireID* (type: Long, alias: Fire Identifier, nullable: true, editable: true)
- *Acres* (type: Long, alias: Acres, nullable: true, editable: true)
- *FIRE_YEAR* (type: Short, alias: Fire Year, nullable: true, editable: true)
- *Z* (type: Short, alias: Z, nullable: true, editable: true)
- *KM2* (type: Double, alias: Sq. KM, nullable: true, editable: true)
- *Source1* (type: Short, alias: Source Primary, nullable: true, editable: true)
- *Source2* (type: Short, alias: Source Secondary, nullable: true, editable: true)
- *Shape_Length* (type: Double, alias: Shape_Length, nullable: true, editable: false)
- *Shape_Area* (type: Double, alias: Shape_Area, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: BAER Imagery Support (GTAC)

Contact Email: SM.FS.BAERImagery@usda.gov

Credits

NASA Applied Sciences, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 5/31/2022

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Western US (AOI)

Western_United_States

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University, Western US, AOI

Summary

The 11 western states used by the NASA RECOVER post-wildfire decision support system as its area of interest (AOI). This is the area where the majority of wildfire occur and also the area where the majority of public lands exist in the contiguous United States.

Source Data

Title: Western US Area of Interest

Provider: NASA RECOVER

Location: NASA RECOVER DSS

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *Z* (type: Short, alias: Z, nullable: true, editable: true)
- *KM2* (type: Double, alias: KM2, nullable: true, editable: true)
- *Shape_Area* (type: Double, alias: Shape_Area, nullable: true, editable: false)
- *Shape_Length* (type: Double, alias: Shape_Length, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: N/A

Last Updated: N/A

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

SMA Surface Management Agency

SMA

Type Feature Layer

Tags NASA, RECOVER, GIS TReC at Idaho State University, Surface Management Agency

Summary

The Surface Management Agency (SMA) Geographic Information System (GIS) dataset has been produced to help support post wildfire decision making, and describes Federal land for the Western United States and classifies this land by its active Federal surface managing agency.

Source Data

Title: BLM National SMA Surface Management Agency Area Polygons

Provider: Bureau of Land Management

Location: Data.gov Catalog > Department of the Interior > Bureau of Land Management

Data Identifier: <https://www.arcgis.com/home/item.html?id=6bf2e737c59d4111be92420ee5ab0b46>

Last Modified: 11/1/2023

Acquired on: 1/5/2024

Online Linkage: <https://catalog.data.gov/dataset/blm-natl-sma-surface-management-agency-area-polygons-national-geospatial-data-asset-ngda>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *SMA_ID* (type: Short, alias: SMA_ID, nullable: true, editable: true)
- *HOLD_ID* (type: Short, alias: HOLD_ID, nullable: true, editable: true)
- *ADMIN_ST* (type: Text, alias: ADMIN_ST, nullable: true, editable: true)
- *FAU_ID* (type: Short, alias: FAU_ID, nullable: true, editable: true)
- *ADMIN_UNIT_NAME* (type: Text, alias: ADMIN_UNIT_NAME, nullable: true, editable: true)
- *ADMIN_UNIT_TYPE* (type: Text, alias: ADMIN_UNIT_TYPE, nullable: true, editable: true)
- *ADMIN_DEPT_CODE* (type: Text, alias: ADMIN_DEPT_CODE, nullable: true, editable: true)
- *ADMIN_AGENCY_CODE* (type: Text, alias: ADMIN_AGENCY_CODE, nullable: true, editable: true)
- *HOLD_DEPT_CODE* (type: Text, alias: HOLD_DEPT_CODE, nullable: true, editable: true)
- *HOLD_AGENCY_CODE* (type: Text, alias: HOLD_AGENCY_CODE, nullable: true, editable: true)
- *Shape_Area* (type: Double, alias: Shape_Area, nullable: true, editable: false)
- *Shape_Length* (type: Double, alias: Shape_Length, nullable: true, editable: false)
- *MGMT_AGENCY* (type: Short, alias: MGMT_AGENCY, nullable: true, editable: true)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: Bureau of Land Management

Credits

BLM, NASA RECOVER, GIS TRc at Idaho State University,

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 1/5/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Population Census Blocks 2020

Population_CensusBlocks2020

Type Feature Layer

Tags NASA, RECOVER, GIS TRc at Idaho State University, Population, 2020 Census

Summary

This feature layer by ESRI US Federal Data, utilizing National Geospatial Data Asset (NGDA) data from the U.S. Census Bureau (USCB), displays Census Blocks. A brief description of Census Blocks, per USCB, is that "Census blocks are statistical areas bounded by visible features such as roads, streams, and railroad tracks, and by nonvisible boundaries such as property lines, city, township, school district, county limits and short line-of-sight extensions of roads." Also, "the smallest level of geography you can get basic demographic data for, such as total population by age, sex, and race."

Source Data

Title: U.S. Census Blocks

Provider: Esri_US_Federal_Data

Last Modified: 12/21/2023

Acquired on: 4/1/2024

Online Linkage:

https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/US_Census_Blocks_v1/FeatureServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: esriFieldTypeOID, alias: Object ID, SQL Type: sqlTypeOther, length: 0, nullable: false, editable: false)
- *AREALAND* (type: esriFieldTypeDouble, alias: Land Area (Square Meters), SQL Type: sqlTypeOther, nullable: true, editable: true)
- *AREAWATER* (type: esriFieldTypeDouble, alias: Water Area (Square Meters), SQL Type: sqlTypeOther, nullable: true, editable: true)
- *BLKGRP* (type: esriFieldTypeString, alias: Block Group, SQL Type: sqlTypeOther, length: 4, nullable: true, editable: true)

- *BLOCK* (type: esriFieldTypeString, alias: Block, SQL Type: sqlTypeOther, length: 4, nullable: true, editable: true)
- *COUNTY* (type: esriFieldTypeString, alias: County FIPS Code, SQL Type: sqlTypeOther, length: 3, nullable: true, editable: true)
- *LWBLKTYP* (type: esriFieldTypeString, alias: Land/Water Block Type, SQL Type: sqlTypeOther, length: 1, nullable: true, editable: true)
- *MTFCC* (type: esriFieldTypeString, alias: MAF/TIGER Feature Class Code, SQL Type: sqlTypeOther, length: 5, nullable: true, editable: true)
- *STATE* (type: esriFieldTypeString, alias: State FIPS Code, SQL Type: sqlTypeOther, length: 2, nullable: true, editable: true)
- *TRACT* (type: esriFieldTypeString, alias: Tract, SQL Type: sqlTypeOther, length: 6, nullable: true, editable: true)
- *HU100* (type: esriFieldTypeDouble, alias: Decennial Housing Count, SQL Type: sqlTypeOther, nullable: true, editable: true)
- *POP100* (type: esriFieldTypeDouble, alias: Decennial Population Count, SQL Type: sqlTypeOther, nullable: true, editable: true)
- *MAFID* (type: esriFieldTypeString, alias: MAFID, SQL Type: sqlTypeOther, length: 15, nullable: true, editable: true)
- *Shape__Area* (type: esriFieldTypeDouble, alias: Shape Area, SQL Type: sqlTypeDouble, nullable: true, editable: false)
- *Shape__Length* (type: esriFieldTypeDouble, alias: Shape Length, SQL Type: sqlTypeDouble, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

ESRI, National Geospatial Data Asset (NGDA), U.S. Census Bureau (USCB), NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 4/1/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Critical Infrastructure

CI_CriticalInfrastructurePoints

Type Feature Layer

Tags NASA, RECOVER, GIS TRc at Idaho State University, critical, infrastructure, risk assessment, hazards, vulnerable, structures, buildings, sites

Summary

A layer representing critical infrastructures and sites that are relevant to fire management and recovery decisions for use in the RECOVER database. These data were compiled from many different authoritative sources as described in the Source field.

Source Data

Title: Critical Infrastructure

Provider: RECOVER

Last Modified: 11/28/2023

Acquired on: 11/28/2023

Online Linkage: <https://isu.maps.arcgis.com/home/item.html?id=dcacfa685c8e4382b0922a3dacc3635>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: esriFieldTypeOID, alias: OBJECTID, SQL Type: sqlTypeOther, length: 0, nullable: false, editable: false)
- *Category* (type: esriFieldTypeSmallInteger, alias: Category, SQL Type: sqlTypeOther, nullable: true, editable: true, Domain: True)
- *DataLayer* (type: esriFieldTypeSmallInteger, alias: DataLayer, SQL Type: sqlTypeOther, nullable: true, editable: true, Domain: True)
- *Name* (type: esriFieldTypeString, alias: Name_u, SQL Type: sqlTypeOther, length: 100, nullable: true, editable: true)
- *Type* (type: esriFieldTypeString, alias: Type_u, SQL Type: sqlTypeOther, length: 50, nullable: true, editable: true)
- *Owner* (type: esriFieldTypeString, alias: Owner_u, SQL Type: sqlTypeOther, length: 50, nullable: true, editable: true)

- *Phone* (type: *esriFieldTypeString*, alias: *Phone_u*, SQL Type: *sqlTypeOther*, length: 20, nullable: true, editable: true)
- *Source* (type: *esriFieldTypeSmallInteger*, alias: *Source*, SQL Type: *sqlTypeOther*, nullable: true, editable: true, Domain: True)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 11/28/2023

Data Properties

Type: Vector

Geometry Type: Point

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Wilderness

Wilderness_Status

Type Feature Layer

Tags Wilderness, National Park Service, National Wilderness Preservation System, Forest Service, Bureau of Land Management, Fish and Wildlife Service, Wilderness Connect, NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US

Summary

The National Wilderness Preservation System includes wilderness areas in the United States designated by the Wilderness Act of 1964 and all subsequent wilderness laws. See here for source data and additional

information regarding wilderness as provided through the Wilderness Connect Project:
<https://umontana.maps.arcgis.com/home/item.html?id=52c7896cdfab4660a595e6f6a7ef0e4d>

Source Data

Title: Wilderness Areas in the United States

Provider: Wilderness Connect

Location: ArcGIS Online

Data Identifier: National Wilderness Preservation System

Last Modified: 9/18/2023

Acquired: 3/26/2024

Web Link:

<https://umontana.maps.arcgis.com/home/item.html?id=52c7896cdfab4660a595e6f6a7ef0e4d>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID_1, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *URL* (type: Text, alias: Website, nullable: true, editable: true)
- *NAME* (type: Text, alias: Wilderness, nullable: true, editable: true)
- *STATE* (type: Text, alias: State, nullable: true, editable: true)
- *dateLastModified* (type: Date, alias: Date of Last Update, nullable: true, editable: true)
- *WID* (type: Long, alias: WID, nullable: true, editable: true)
- *NAME_ABBREV* (type: Text, alias: Abbreviated Name, nullable: true, editable: true)
- *ImagePath* (type: Text, alias: Image, nullable: true, editable: true)
- *Acreage* (type: Long, alias: Acreage, nullable: true, editable: true)
- *Description* (type: Text, alias: Description, nullable: true, editable: true)
- *Agency* (type: Text, alias: source_id, nullable: true, editable: true)
- *joinerID* (type: Text, alias: joinerID, nullable: true, editable: true)
- *Designated* (type: Short, alias: Designated, nullable: true, editable: true)
- *GlobalID* (type: Global ID, alias: GlobalID, nullable: false, editable: false)
- *Status* (type: Text, alias: Status, nullable: true, editable: true)
- *Shape_Length* (type: Double, alias: Shape_Length, nullable: true, editable: false)
- *Shape_Area* (type: Double, alias: Shape_Area, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: Wilderness Connect

Contact: <https://wilderness.net/contact.php>

Credits

Wilderness Connect, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 3/26/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

PLSS

WEBSERVICE_PLSS

Type Map Service

Tags NASA, RECOVER, GIS TReC at Idaho State University, PLSS, State Boundaries, Township, Section

Summary

This data has been prepared to help support post wildfire decision making and is a way of subdividing and describing land in the United States. All lands in the public domain are subject to subdivision by this rectangular system of surveys (PLSS), which is regulated by the U.S. Department of the Interior, Bureau of Land Management (BLM).

Source Data

Title: BLM National Public Land Survey System Polygons

Provider: BLM

Location: DOI BLM Geospatial Business Platform

Acquired: 2022

Online Linkage: <https://gbp-blm-egis.hub.arcgis.com/datasets/BLM-EGIS::blm-national-public-land-survey-system-polygons/about>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Layers

[State Boundaries](#)

[Township](#)

[Section](#)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: BLM National Operations Center

Contact Email: BLM_OC_GIS_Hub_UserSupport@blm.gov

Credits

BLM, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/20/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Roads

Roads

Type Feature Layer

Tags Roads, USGS, Transportation, NASA RECOVER, GIS TReC at Idaho State University

Summary

Roads of the 11 Western United States. Roads are symbolized by MAF/TIGER Feature Class Codes (MTFCC). This version of the USGS Roads dataset is a subset of their Transportation database package.

Source Data

Title: USGS Road Segment Dataset

Provider: USGS

Location: USGS > The National Map Staged Products Directory > Tran/ > GDB/ > State by State
Download > Trans_RoadSegment

Acquired: 4/1/2024

Web Link: <https://prd-tnm.s3.amazonaws.com/index.html?prefix=StagedProducts/Tran/GDB/>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: Object ID, alias: OBJECTID, editable: false, nullable: false)
- *Shape* (type: Geometry, alias: Shape, editable: false, nullable: true)
- *name* (type: Text, alias: Name, editable: true, nullable: true)
- *stco_fipscode* (type: Text, alias: StCo_FIPSCode, editable: true, nullable: true)
- *mtfcc_code* (type: Text, alias: MTFCC_Code, editable: true, nullable: true)
- *tnmfrc* (type: Long, alias: TNMFRC, editable: true, nullable: true)
- *Miles* (type: Float, alias: Length in Miles, editable: true, nullable: true)
- *source_datadesc* (type: Text, alias: Source_DataDesc, editable: true, nullable: true)
- *source_originator* (type: Text, alias: Source_Originator, editable: true, nullable: true)
- *loaddate* (type: Date, alias: LoadDate, editable: true, nullable: true)
- *Shape_Length* (type: esriFieldTypeDouble, alias: Shape_Length, editable: false, nullable: true, defaultValue: null, modelName: Shape_Length)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS, NASA RECOVER, GIS TRc at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 3/7/2024

Data Properties

Type: Vector

Geometry Type: Polyline

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Trails

Trails

Type Feature Layer

Tags Trails, USGS, Transportation, BLM, NPS, FWS, USFS, NASA RECOVER, GIS TReC at Idaho State University

Summary

Trails data acquired from the USGS Trails Database, in which the USGS compiles authoritative trail data from BLM, USFS, NPS, FWS, and State trail datasets. Trails are distinguished by snow, water, and terrain trails and maintainers. The USGS Trails data set is a subset of their Transportation database package. Data is currently on a 1 to 3-year update cycle for federal sources and 3 to 5 years for other sources. Their 2024 plans involve moving to an annual refresh cycle for federal sources and less than 3-year cycle for other sources.

Source Data

Title: USGS Trails Dataset

Provider: USGS

Location: USGS > The National Map Staged Products Directory > Tran/ > GDB/ > State by State
Download Trans_TrailSegment

Acquired: 2/29/2024

Web Link: <https://prd-tnm.s3.amazonaws.com/index.html?prefix=StagedProducts/Tran/GDB/>

Access Info: <https://www.usgs.gov/national-digital-trails/seven-ways-access-or-view-usgs-trails-dataset#:~:text=USGS%20Trails%20Dataset%20is%20an,GIS%20files%2C%20or%20service%20endpoints.>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *OBJECTID* (type: esriFieldTypeOID, alias: OBJECTID, editable: false, nullable: false, defaultValue: null, modelName: OBJECTID)
- *name* (type: esriFieldTypeString, alias: Trail Name, editable: true, nullable: true, length: 75, defaultValue: null, modelName: name)
- *primarytrailmaintainer* (type: esriFieldTypeString, alias: Primary Trail Maintainer, editable: true, nullable: true, length: 3, defaultValue: null, modelName: primarytrailmaintainer , Coded Values:

[BIA: Bureau of Indian Affairs] , [BLM: Bureau of Land Management] , [BOR: Bureau of Reclamation] , ...25 more...)

- *sourceoriginator* (type: *esriFieldTypeString*, alias: *Source Originator*, editable: *true*, nullable: *true*, length: *3*, defaultValue: *null*, modelName: *sourceoriginator* , Coded Values: [BIA: Bureau of Indian Affairs] , [BLM: Bureau of Land Management] , [BOR: Bureau of Reclamation] , ...25 more...)
- *trailtype* (type: *esriFieldTypeString*, alias: *Trail Type*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *trailtype* , Coded Values: [W: Water Trail] , [S: Snow Trail] , [T: Standard/Terra Trail])
- *hikerpedestrian* (type: *esriFieldTypeString*, alias: *Hiker/Pedestrian*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *hikerpedestrian* , Coded Values: [Y: Yes] , [N: No])
- *bicycle* (type: *esriFieldTypeString*, alias: *Bicycle*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *bicycle* , Coded Values: [Y: Yes] , [N: No])
- *packsaddle* (type: *esriFieldTypeString*, alias: *Pack and Saddle*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *packsaddle* , Coded Values: [Y: Yes] , [N: No])
- *atv* (type: *esriFieldTypeString*, alias: *ATV*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *atv* , Coded Values: [Y: Yes] , [N: No])
- *motorcycle* (type: *esriFieldTypeString*, alias: *Motorcycle*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *motorcycle* , Coded Values: [Y: Yes] , [N: No])
- *ohvover50inches* (type: *esriFieldTypeString*, alias: *Four Wheel Drive Vehicle >50inches*, editable: *true*, nullable: *true*, length: *1*, defaultValue: *null*, modelName: *ohvover50inches* , Coded Values: [Y: Yes] , [N: No])
- *lengthmiles* (type: *esriFieldTypeDouble*, alias: *Length in Miles*, editable: *true*, nullable: *true*, defaultValue: *null*, modelName: *Cal_Len*)
- *networklength* (type: *esriFieldTypeDouble*, alias: *Network Length*, editable: *true*, nullable: *true*, defaultValue: *null*, modelName: *NETWORKLENGTH*)
- *Shape__Length* (type: *esriFieldTypeDouble*, alias: *Shape_Length*, editable: *false*, nullable: *true*, defaultValue: *null*, modelName: *Shape_Length*)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 3/7/2024

Data Properties

Type: Vector
Geometry Type: Polyline
Units: Meters

Metadata Properties

Metadata Language: English
Character Set: utf8 - 8 bit UCS Transfer Format
Last Updated: 4/1/2024

WBD Watershed Boundary Dataset HUC12

WEBSERVICE_NHD_WBD_Watersheds

Type Web Service

Tags USGS, NHD, USDA, NRCS, WBD, Watershed, HUC12, Basins, NASA RECOVER, GIS TRcC at Idaho State University

Summary

Watershed Boundary Dataset (WBD) defines the areal extent of surface water drainage to a point, accounting for all land and surface areas. This file contains Hydrologic Unit (HU) polygon boundaries for the western United States. The data is a seamless National representation of HU boundaries from 2 to 14 digits compiled from U.S. Geological Survey (USGS) National Hydrography Dataset (NHD) and U.S. Department of Agriculture (USDA) National Resources Conservation Service (NRCS) Watershed Boundary Dataset (WBD) sources. Purpose: This data is intended primarily for geographic display and analysis of regional and national data, and can also be used for illustration purposes at intermediate or small scales (1:250,000 to 1:2,000,000). See <https://apps.nationalmap.gov/help/> for assistance with The National Map viewer, download client, services, or metadata.

Source Data

Title: Watershed Boundary Database Hydrologic Unit 12 (WBDHU12)

Provider: USGS

Location: USGS The National Map > NHDPlus HR (MapServer) > WBDHU12 (ID: 12)

Acquired: 2023

Web Link: https://hydro.nationalmap.gov/arcgis/rest/services/NHDPlus_HR/MapServer/12

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *OBJECTID* (type: esriFieldTypeOID, alias: OBJECTID)
- *Shape* (type: esriFieldTypeGeometry, alias: Shape)

- *tnmid* (type: esriFieldTypeString, alias: TNMID, length: 40)
- *metasourceid* (type: esriFieldTypeString, alias: MetaSourceID, length: 40)
- *sourcedatadesc* (type: esriFieldTypeString, alias: SourceDataDesc, length: 100)
- *sourceoriginator* (type: esriFieldTypeString, alias: SourceOriginator, length: 130)
- *sourcefeatureid* (type: esriFieldTypeString, alias: SourceFeatureID, length: 40)
- *loaddate* (type: esriFieldTypeDate, alias: LoadDate, length: 8)
- *referencegnis_ids* (type: esriFieldTypeString, alias: ReferenceGNIS_IDs, length: 50)
- *areaacres* (type: esriFieldTypeDouble, alias: AreaAcres)
- *areasqkm* (type: esriFieldTypeDouble, alias: AreaSqKm)
- *states* (type: esriFieldTypeString, alias: States, length: 50)
- *huc12* (type: esriFieldTypeString, alias: HUC12, length: 12)
- *name* (type: esriFieldTypeString, alias: Name, length: 120)
- *hutype* (type: esriFieldTypeString, alias: HUType, length: 1 , Coded Values: [S: Standard] , [C: Closed Basin] , [F: Frontal] , ...5 more...)
- *humod* (type: esriFieldTypeString, alias: HUMod, length: 30)
- *tohuc* (type: esriFieldTypeString, alias: ToHUC, length: 16)
- *noncontributingareaacres* (type: esriFieldTypeDouble, alias: NonContributingAreaAcres)
- *noncontributingareasqkm* (type: esriFieldTypeDouble, alias: NonContributingAreaSqKm)
- *nhdplusid* (type: esriFieldTypeDouble, alias: NHDPlusID)
- *vpuid* (type: esriFieldTypeString, alias: VPUID, length: 8)
- *Shape_Length* (type: esriFieldTypeDouble, alias: Shape_Length)
- *Shape_Area* (type: esriFieldTypeDouble, alias: Shape_Area)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USFS, NASA RECOVER, GIS TRc at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 3/8/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NHD

WEBSERVICE_NHDPlus_HR

Type Web Service

Tags NASA, RECOVER, GIS TReC at Idaho State University, USGS, Hydrography, Stream, River, Lake, Pond, Canal, Ditch, Reservoir, Spring, Seep, Swamp, Marsh, Artificial Path, Reach Code, Western and Coastal area

Summary

The National Hydrography Dataset (NHD) is a feature-based database that interconnects and uniquely identifies the stream segments or reaches that make up the Western and Coastal area surface water drainage system and has been prepared to help support post wildfire decision making.

The USGS NHDPlus High Resolution service, NHDPlus_HR, a part of The National Map, is a comprehensive set of digital spatial data comprising a nationally seamless network of stream reaches, elevation-based catchment areas, flow surfaces, and value-added attributes that enhance stream network navigation, analysis, and data display. NHDPlus High Resolution (NHDPlus HR) is a scalable geospatial hydrography framework built from the high resolution National Hydrography Dataset, nationally complete Watershed Boundary Dataset, and 3D Elevation Program (3DEP) 1/3 arc-second (10 meter ground spacing) digital elevation model data. The National Map download client allows free downloads of public domain NHDPlus HR data in Esri File Geodatabase format. For additional information on the NHDPlus HR, go to <https://www.usgs.gov/national-hydrography/national-hydrography-dataset>. See <https://apps.nationalmap.gov/help/> for assistance with The National Map viewer, download client, services, or metadata.

Source Data

Title: NHDPlus_HR (MapServer)

Provider: USGS

Location: USGS The National Map > NHDPlus HR (MapServer)

Last Refreshed: 10/2022

Acquired: 1/2023

Web Link: https://hydro.nationalmap.gov/arcgis/rest/services/NHDPlus_HR/MapServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Layers

[NHDPlusGage](#)

[NHDPlusSink](#)

[NHDPoint](#)

[NetworkNHDFlowline](#)

[NonNetworkNHDFlowline](#)

[FlowDirection](#)

[NHDPlusWall](#)

[NHDLine](#)

[NHDArea](#)

[NHDWaterbody](#)

[NHDPlusCatchment](#)

[NHDPlusBoundaryUnit](#)

[WBDHUI2](#)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS TNM – National Hydrography Dataset Plus High Resolution (NHDPlus HR), NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 4/1/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Wetlands

Wetlands

Type Feature Layer

Tags Wetlands, National Wetlands Inventory, NWI, USFWS, USGS, surface water, environment, oceans, swamps, NASA RECOVER, GIS TRcC at Idaho State University

Summary

This data provides current geospatial referenced information of wetlands, riparian, deep water, and related aquatic habitats in priority areas to help support post wildfire decision making.

Source Data

Title: Wetlands

Provider: United States Fish & Wildlife Service

Location: USFWS National Wetlands Inventory: Download Seamless Wetlands Data by State

Acquired: 2/26/2024

Web Link: <https://www.fws.gov/program/national-wetlands-inventory/download-state-wetlands-data>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

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Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: U.S. Fish and Wildlife Service

Contact: 1-800-344-9453

Credits

USFS, NASA RECOVER, GIS TRcC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/27/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Habitat

Habitat

Type Feature Layer

Tags NASA, RECOVER, GIS TRc at Idaho State University, Habitat, Species, Ecosystem Vulnerability, Biodiversity

Summary

A map of finalized critical habitats as designated by the U.S. Fish and Wildlife Service from 1977-2023. Provided in RECOVER to help support post wildfire decision making for the Western US.

Source Data

Title: FWS Critical Habitat for Threatened and Endangered Species Dataset

Provider: U.S. Fish and Wildlife Service

Location: Data.gov Catalog > Department of Interior

Data Identifier: FWS_ServCat_76084

Last Modified: 5/1/2019

Acquired on: 12/11/2023

Web Link: <https://catalog.data.gov/dataset/fws-critical-habitat-for-threatened-and-endangered-species-dataset>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

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Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Todd Sutherland

Organization's Name: U.S. Fish and Wildlife Service

Contact's Position: Maintainer

Credits

DOI United States Fish and Wildlife Service, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 1/22/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

BPS Biophysical Setting

BPS_BiophysicalSetting

Type Raster Dataset

Tags NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US, LANDFIRE, Biophysical Settings

Summary

Raster Image produced to help support post wildfire decision making, representing the vegetation that may have been dominant on the landscape prior to Euro-American settlement. Based on the current biophysical environment and an approximation of the historical disturbance regime.

Source Data

Title: LANDFIRE 2020 [LF 2.2.0] - BPS

Provider: LANDFIRE Project (Department of Agriculture, Forest Service; U.S. Department of Interior)

Location: LANDFIRE Project Website > Download by Version > LF 2020 [LF2.2.0] > BPS > CONUS

Data Identifier: CONUS BPS LF 2.2.0

Last Modified: 2022

Acquired: 1/1/2023

Web Link: https://www.landfire.gov/version_download.php

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OID* (type: Object ID, alias: OID, nullable: false, editable: false)
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- *Green* (type: Double, alias: Green, nullable: false, editable: true)
- *Blue* (type: Double, alias: Blue, nullable: false, editable: true)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: LANDFIRE.gov

Contact Email: helpdesk@landfire.gov

Credits

LANDFIRE: <https://landfire.gov/index.php> (U.S. Department of Interior, Geological Survey, and U.S. Department of Agriculture) NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

EVC Existing Vegetation Cover

EVC_ExistingVegetationCover_LC22_230

Type Raster Dataset

Tags NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US, LANDFIRE, Existing Vegetation Cover

Summary

Raster image produced to help support post wildfire decision making, describing the vertically projected percent cover of the primary layer of the forest (live canopy layer) for a 30-m grid cell. EVC is generated separately for tree, shrub and herbaceous cover lifeforms using training data and other layers. Percentage tree, shrub, and herbaceous canopy cover training data are generated using plot-level ground-based visual assessments. Once the training data are developed, relationships are then established separately for

each lifeform between the training data and combination of Landsat, elevation, and ancillary data. Each of the derived data layers (tree, shrub, herbaceous) has a potential range from 0-100 percent which are merged into a single composite EVC layer. LANDFIRE uses EVC in several subsequent layers, including the development of the fuel layers.

Source Data

Title: LANDFIRE 2022 [LF 2.3.0] - EVC

Provider: LANDFIRE Project (Department of Agriculture, Forest Service; U.S. Department of Interior)

Location: LANDFIRE Project Website > Download by Version > LF 2022 [LF2.3.0] > EVC > CONUS

Data Identifier: CONUS EVC LF 2.3.0

Last Modified: 2023

Acquired on: 02/20/2024

Web Link: https://www.landfire.gov/version_download.php

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OID (type: Object ID, alias: OID, nullable: false, editable: false)*
- *Value (type: Long, alias: Value, nullable: false, editable: false)*
- *Count (type: Double, alias: Count, nullable: false, editable: false)*
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- *Red (type: Double, alias: Red, nullable: false, editable: true)*
- *Green (type: Double, alias: Green, nullable: false, editable: true)*
- *Blue (type: Double, alias: Blue, nullable: false, editable: true)*

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: LANDFIRE.gov

Contact Email: helpdesk@landfire.gov

Credits

LANDFIRE: <https://landfire.gov/index.php> (U.S. Department of Interior, Geological Survey, and U.S. Department of Agriculture), NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/20/2024

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

EVT Existing Vegetation Type

EVT_ExistingVegetationType_LC22_230

Type Raster Dataset

Tags NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US, LANDFIRE, Existing Vegetation Type

Summary

Raster image produced to help support post wildfire decision making, describing specific vegetation lifeform by layers. Existing Vegetation Types are mapped using decision tree models, field data, Landsat imagery, elevation, and biophysical gradient data. Decision tree models are developed separately for each of the three lifeforms -tree, shrub, and herbaceous and are then used to generate lifeform specific EVT layers.

Source Data

Title: LANDFIRE 2022 [LF 2.3.0] - EVT

Provider: LANDFIRE Project (Department of Agriculture, Forest Service; U.S. Department of Interior)

Location: LANDFIRE Project Website > Download by Version > LF 2022 [LF2.3.0] > EVT > CONUS

Data Identifier: CONUS EVT LF 2.3.0

Last Modified: 2023

Acquired on: 02/20/2024

Web Link: https://www.landfire.gov/version_download.php

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

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- *Green (type: Double, alias: Green, nullable: false, editable: true)*
- *Blue (type: Double, alias: Blue, nullable: false, editable: true)*

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: LANDFIRE.gov

Contact Email: helpdesk@landfire.gov

Credits

LANDFIRE: <https://landfire.gov/index.php> (U.S. Department of Interior, Geological Survey, and U.S. Department of Agriculture) NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/20/2024

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

FVT Fuel Vegetation Type

FVT_FuelVegetationType_LC22_230

Type Raster Dataset

Tags NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US, LANDFIRE, Fuel Vegetation Type

Summary

LANDFIRE layer that represents a modified version of EVT that re-establishes pre-disturbance vegetation in disturbed areas, allowing the application of fuel model transitions to properly align with logic developed from Fuels Calibration Workshops.

Source Data

Title: LANDFIRE 2022 [LF 2.3.0] - FVT

Provider: LANDFIRE Project (Department of Agriculture, Forest Service; U.S. Department of Interior)

Location: LANDFIRE Project Website > Download by Version > LF 2022 [LF2.3.0] > FVT > CONUS

Data Identifier: CONUS FVT LF 2.3.0

Last Modified: 2023

Acquired on: 02/20/2024

Web Link: https://www.landfire.gov/version_download.php

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

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- *Blue* (type: Double, alias: Blue, nullable: false, editable: true)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: LANDFIRE.gov

Contact Email: helpdesk@landfire.gov

Credits

LANDFIRE: <https://landfire.gov/index.php> (U.S. Department of Interior, Geological Survey, and U.S. Department of Agriculture) NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/20/2024

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Relative Ecosystem Resilience and Resistance (RR)

SGZM_RR

Type Raster Dataset

Tags NASA, RECOVER, GIS TReC at Idaho State University, Wildfire, Post-Wildfire, Western US, Sagebrush, Ecosystem

Summary

This layer describes the estimated ecosystem resilience and resistance to change within sagebrush ecosystems to allow managers to better predict and mitigate impacts of wildfire and invasive annual grasses.

Description

Emerging applications of ecosystem resilience and resistance concepts in sagebrush ecosystems allow managers to better predict and mitigate impacts of wildfire and invasive annual grasses. Soil temperature and moisture strongly influence the kind and amount of vegetation, and consequently, are closely tied to sagebrush ecosystem resilience and resistance (Chambers et al. 2014, 2016). Soil taxonomic temperature and moisture regimes can be used as indicators of resilience and resistance at landscape scales to depict

environmental gradients in sagebrush ecosystems that range from cold/cool-moist sites to warm-dry sites. We aggregated soil survey spatial and tabular data to facilitate broad-scale analyses of resilience and resistance across the range of sage-grouse (Maestas et al. 2016). Soils data were derived from two primary sources available through the National Cooperative Soil Survey: 1) completed and interim soil surveys available through the Soil Survey Geographic Database (SSURGO; Soil Survey Staff 2014a), and 2) the State Soils Geographic Database (STATSGO2; Soil Survey Staff 2014b). SSURGO and STATSGO2 data for this product were obtained from the Geospatial Data Gateway (<https://gdg.sc.egov.usda.gov/>) in October 2013. Corrections were made to some soil moisture subclass data in Wyoming and northwestern Colorado in April 2016, based on information provided by local soil scientists with the USDA - Natural Resources Conservation Service. Outputs include geodatabases that combine key soils data across sage-grouse management zones which have been made available to assist conservation planning. We also generated a simplified index of relative resilience and resistance by assigning each soil temperature and moisture regime/moisture subclass to one of three categories (high, moderate, and low) based on expert opinion. Users are encouraged to field verify soils when planning onsite projects.

Source Data

Title: Index of Relative Ecosystem Resilience and Resistance across Sage-Grouse Management Zones

Provider: USGS – Science Base Catalog

Location: USGS – Science Base Catalog > LC MAP - Landscape Conservation Management and Analysis Portal > Great Basin Landscape Conservation Cooperative > Report: Using resistance and resilience... >

Dataset: Index of Relative Ecosystem Resilience and Resistance across Sage-Grouse Management Zones

Last Modified: 08/04/2016

Acquired: 2023

Web Link: <https://www.sciencebase.gov/catalog/item/55229c34e4b027f0aee3cfa5>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OID (type: Object ID, alias: OID, nullable: false, editable: false)*
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Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Steven B. Campbell

Organization's Name: USDA - Natural Resources Conservation Service

Contact's Position: Soil Scientist

Contact Phone: 503-273-2421

Contact Email: steve.campbell@por.usda.gov

Credits

- Maestas, J.D., S.B. Campbell, J.C. Chambers, M. Pellant, R.F. Miller. 2016. Tapping Soil Survey Information for Rapid Assessment of Sagebrush Ecosystem Resilience and Resistance. *Rangelands* 38(3):120-128. doi:10.1016/j.rala.2016.02.002
- Chambers, J.C., Pyke, D.A., Maestas, J.D., Pellant, M., Boyd, C.S., Campbell, S.B., Espinosa, S., Havlina, D., Mayer, K., Wuenschel, A. 2014. Using resistance and resilience concepts to reduce impacts of annual grasses and altered fire regimes on the sagebrush ecosystem and sage-grouse— A strategic multi-scale approach. Gen. Tech. Rep. RMRS-GTR-326. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Chambers, J.C., Beck, J.L., Campbell, S., Carlson, J., Christiansen, T.J., Clause, K.J., Dinkins, J.B., Doherty, K.E., Griffin, K.A., Havlina, D.W., Henke, K.F., Hennig, J.D., Kurth, L.L., Maestas, J.D., Manning, M., Mayer, K.E., Meador, B.A., McCarthy, C., Perea, M.A., Pyke, D.A. 2016. Using resilience and resistance concepts to manage threats to sagebrush ecosystems, Gunnison sage-grouse, and greater sage-grouse in their eastern range: a strategic multi-scale approach. Gen. Tech. Rep. RMRS-GTR-XXX. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Soil Survey Staff. 2014a. Gridded Soil Survey Geographic (gSSURGO) Database. United States Department of Agriculture, Natural Resources Conservation Service. Available online at <https://gdg.sc.egov.usda.gov/>.
- Soil Survey Staff. 2014b. U.S. General Soil Map (STATSGO2) Database. United States Department of Agriculture, Natural Resources Conservation Service. Available online at <http://websoilsurvey.nrcs.usda.gov/>.
- NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/22/2024

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Soils gSSURGO

Soils_gSSURGO

Type Feature Layer

Tags USDA, NRCS, NGDA, SSURGO, NASA, RECOVER, GIS TRcC at Idaho State University, Geology, Soil

Summary

The SSURGO database contains soil data such as hydrological soil group and k-factor measurements as collected from in-situ observations performed by National Cooperative Soil Survey over the course of a century. This dataset is included in RECOVER as an approximated baseline to help support post wildfire recovery and decision making. This data was prepared using SSURGO Portal and SSURGO On Demand, and was then further refined in ArcGIS Pro in February, 2024.

Data Description

Map Unit Key [mukey]: A non-connotative string of characters used to uniquely identify a record in the Mapunit table (NRCS, Soil Data Access Soils Report).

Map Unit Name [muname]: The name given to the associated geographic area (NRCS, Soil Data Access Soils Report).

Hydrologic Soil Group [hydgrp]: There are four main hydrologic soil groups, or HSGs, that, along with land use, management practices, and hydrologic conditions, can be used to estimate direct runoff from rainfall.

Group A—Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil. Group A soils typically have less than 10 percent clay and more than 90 percent sand or gravel and have gravel or sand textures. Some soils having loamy sand, sandy loam, loam or silt loam textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments.

Group B—Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded. Group B soils typically have between 10 percent and 20 percent clay and 50 percent to 90 percent sand and have loamy sand or sandy loam textures. Some soils having loam, silt loam, silt, or sandy clay loam textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments.

Group C—Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. Group C soils typically have between 20 percent and 40 percent clay and less than 50 percent sand and have loam, silt loam, sandy clay loam, clay loam, and silty clay loam textures. Some soils having clay, silty clay, or sandy clay textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments.

Group D—Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. Group D soils typically have greater than 40 percent clay, less than 50 percent sand, and have clayey textures. In some areas, they also have high shrink-swell potential. All soils with a depth to a water impermeable layer less than 50 centimeters [20 inches] and all soils with a water table within 60 centimeters [24 inches] of the surface are in this group, although some may have a dual classification if they can be adequately drained.

Dual hydrologic soil groups—Certain wet soils are placed in group D based solely on the presence of a water table within 60 centimeters [24 inches] of the surface even though the saturated hydraulic conductivity may be favorable for water transmission. If these soils can be adequately drained, then they are assigned to dual hydrologic soil groups (**A/D, B/D, and C/D**) based on their saturated hydraulic conductivity and the water table depth when drained. The first letter applies to the drained condition and the second to the undrained condition. For the purpose of hydrologic soil group, adequately drained means that the seasonal high water table is kept at least 60 centimeters [24 inches] below the surface in a soil where it would be higher in a natural state.

(NRCS, National Engineering Handbook Chapter 7 Hydrologic Soil Groups)

K-Factor [kffact]: The soil erodibility factor K represents susceptibility of soil to erosion, transportability of the sediment, and the amount and rate of runoff given a particular rainfall input, as measured under the standard unit plot condition. Fine textured soils high in clay have low K values, about 0.05 to 0.15, because they are resistant to detachment. Coarse textured soils, such as sandy soils, have low K values, about 0.05 to 0.2, because of low runoff even though these soils are easily detached. Medium textured soils, such as the silt loam soils, have moderate K values, about 0.25 to 0.45, because they are moderately susceptible to detachment and they produce moderate runoff. Soils having a high silt content are especially susceptible to erosion and have high K values. They are easily detached and they tend to crust and produce large amounts and rates of runoff. Values of K for these soils typically exceed 0.45 and can be as large as 0.65 (NRCS, RUSLE2 Handbook 2001).

Wind Erodibility Index [wei]: The wind erodibility index values are assigned because the dry soil aggregates are very use-dependent on crop management factors. The wind erodibility index (I), used in the wind erosion equation, is assigned using the wind erodibility groups. Subpart B, Exhibits, Section 618.95 lists the wind erodibility index assigned to the wind erodibility groups. The lowest valid entry for wind erodibility index data is 0, and the highest is 310 (NRCS, Soil Data Access Soils Report).

Wind Erodibility Group [weg]: A wind erodibility group (WEG) is a grouping of soils that have similar properties affecting their resistance to soil blowing in cultivated areas. The groups indicate the susceptibility to blowing. Soils are placed into wind erodibility groups on the basis of the properties of the soil surface layer. The range of valid entries for wind erodibility group data is 1, 2, 3, 4, 4L, 5, 6, 7, and 8 (NRCS, Soil Data Access Soils Report).

Drought Vulnerability [class]: Even in a year, having normal precipitation or slightly less than normal, some soils are prone to having drought stress occur in the plants growing on them.

Several conditions can allow this to happen. Most influential may be a relative lack of effective precipitation and typically sandy or shallow soils or soils having a high content of rock fragments. In this case, even though there may be significant rainfall, the soil matrix does not retain sufficient water for crop growth (NRCS, 2021 Annual Soils Refresh).

Potential Fire Damage Hazard [class_1]: Slopes left denuded by forest or range fires are susceptible to accelerated erosion, flash flooding, and debris flows because of the scarcity of vegetation and roots that bind the soil and chemical changes in the soil that prevent water absorption. . Vegetation is one of the most important factors influencing erosion if the soil can allow adequate moisture entry. The vegetation helps to control erosion by shielding the soil from the impact of raindrops, by maintaining a soil surface capable of absorbing water, and by slowing the amount and velocity of runoff (NRCS, Understanding Soil Risks and Hazards).

Mechanical Planting Suitability [class_12]: Mechanical planting treatments such as furrowing, putting, chiseling, ripping, subsoiling, flailing, mulching, shredding, and slashing can be applied to landscapes in order to improve soil permeability, reduce runoff, break-up roots, and improve vegetation conditions. The suitability for these mechanical techniques is dependent on the erodibility of the soil and the slope of the treatment area. These treatments should only be used in suitable soil conditions and applied in a way in which the potential for erosion is reduced (NRCS, Conservation Practice Standard Grazing Land Mechanical Treatment Code 548).

Source Data

Title: SSURGO

Provider: USDA Natural Resources Conservation Service

Location: Department of Agriculture data.gov Catalog > Direct Download

Data Identifier: NRCS0092

Last Modified: October 2023

Acquired on: 1/9/2024

Web Link: <https://www.nrcs.usda.gov/resources/data-and-reports/ssurgo-portal>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID** (type: Object ID, alias: OBJECTID, length: 0, nullable: false, editable: false)
- *Shape* (type: Geometry, alias: Shape, nullable: true, editable: false)
- *mukey* (type: Big Integer, alias: Map Unit Key, nullable: true, editable: true)
- *muname* (type: Text, alias: Map Unit Name, nullable: true, editable: true)
- *hydgrp* (type: Short, alias: Hydrologic Soil Group, nullable: true, editable: true)
- *kffact* (type: Short, alias: K-Factor, nullable: true, editable: true)
- *wei* (type: Long, alias: Wind Erodibility Index, nullable: true, editable: true)
- *weg* (type: Text, alias: Wind Erodibility Group, nullable: true, editable: true)
- *drought* (type: Text, alias: Drought Vulnerability, nullable: true, editable: true)
- *fire* (type: Short, alias: Potential Fire Damage Hazard, nullable: true, editable: true)

- *mechanical* (type: Text, alias: Mechanical Planting Suitability, nullable: true, editable: true)
- *Area* (type: Double, alias: Area (Acres), nullable: true, editable: true)
- *Shape__Area* (type: Double, alias: Shape__Area, nullable: true, editable: false)
- *Shape__Length* (type: Double, alias: Shape__Length, nullable: true, editable: false)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: NRCS Soils Webmaster

Organization's Name: NRCS USDA

Contact Email: Soils-Webmaster@usda.gov

Contact Phone: 402-437-5499

Credits

United States Department of Agriculture, National Cooperative Soil Survey, NASA RECOVER, GIS TRcC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Annually

Last Updated: 2/13/2024

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Soils STATSGO

Soils_STATSGO

Type Feature Layer

Tags USDA, NRCS, NGDA, SSURGO, NASA, RECOVER, GIS TRcC at Idaho State University, Geology, Soil

Summary

This STATSGO-based soils layer covers the Western US and was developed specifically to support the NASA RECOVER wildfire decision support system. This feature class contains spatially joined MUID for

each polygon as well as K--Factor, WEG, and WEI as well as URL links to descriptive reports for each polygon.

Source Data

Title: STATSGO2

Provider: USDA Natural Resources Conservation Service

Location: Department of Agriculture data.gov Catalog > Direct Download

Data Identifier: NRCS0097

Last Modified: Jan 2023

Acquired on: 2/2/2016

Web Link: <https://catalog.data.gov/dataset/u-s-general-soil-map-statsgo2>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: esriFieldTypeOID, alias: OBJECTID, editable: false, nullable: false, defaultValue: null, modelName: OBJECTID)
- *MUSYM* (type: esriFieldTypeString, alias: MUSYM, editable: true, nullable: true, length: 6, defaultValue: null, modelName: MUSYM)
- *MUKEY* (type: esriFieldTypeString, alias: MUKEY, editable: true, nullable: true, length: 30, defaultValue: null, modelName: MUKEY)
- *VERSION* (type: esriFieldTypeSmallInteger, alias: Spatial Version, editable: true, nullable: true, defaultValue: 2, modelName: VERSION)
- *URL* (type: esriFieldTypeString, alias: Range Report URL, editable: true, nullable: true, length: 70, defaultValue: null, modelName: URL)
- *MUID* (type: esriFieldTypeString, alias: MUID, editable: true, nullable: true, length: 7, defaultValue: null, modelName: MUID)
- *KFACT* (type: esriFieldTypeDouble, alias: K-factor, editable: true, nullable: true, defaultValue: null, modelName: KFACT)
- *WEG* (type: esriFieldTypeDouble, alias: Wind Erodability Group (WEG), editable: true, nullable: true, defaultValue: null, modelName: WEG)
- *WEI_Calc* (type: esriFieldTypeSmallInteger, alias: Wind Erodability Index (WEI), editable: true, nullable: true, defaultValue: null, modelName: WEI_Calc)
- *RangeReport* (type: esriFieldTypeSmallInteger, alias: RangeReport, editable: true, nullable: true, defaultValue: null, modelName: RangeReport , Coded Values: [0: Unknown or n/a] , [1: Yes] , [2: No])
- *Shape__Length* (type: esriFieldTypeDouble, alias: Shape_Length, editable: false, nullable: true, defaultValue: null, modelName: Shape_Length)
- *Shape__Area* (type: esriFieldTypeDouble, alias: Shape_Area, editable: false, nullable: true, defaultValue: null, modelName: Shape_Area)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: NRCS Soils Webmaster

Organization's Name: NRCS USDA

Contact Email: Soils-Webmaster@usda.gov

Contact Phone: 402-437-5499

Credits

United States Department of Agriculture, National Cooperative Soil Survey, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 1/1/2023

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Geology

Geology

Type Feature Layer

Tags Geology, USGS, NASA, RECOVER, GIS TReC at Idaho State University

Summary

Geologic information for the Western US, produced to help support post wildfire decision making.

Source Data

Title: Geology

Provider: USGS

Location: Geology_ (FeatureServer)

Service Item ID: 2dd3bcbf5428470598b313f97c5e7ef9

Last Modified: 1/18/2023

Acquired: 2012

Web Link:

https://services1.arcgis.com/z5tlnpYHokW9isdE/arcgis/rest/services/Geology_/FeatureServer/4

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: *esriFieldTypeOID*, alias: *OBJECTID*, SQL Type: *sqlTypeOther*, length: 0, nullable: *false*, editable: *false*)
- *SOURCE* (type: *esriFieldTypeString*, alias: *Source*, SQL Type: *sqlTypeOther*, length: 8, nullable: *true*, editable: *true*)
- *UNIT_AGE* (type: *esriFieldTypeString*, alias: *Age period*, SQL Type: *sqlTypeOther*, length: 60, nullable: *true*, editable: *true*)
- *URL* (type: *esriFieldTypeString*, alias: *Learn more (URL)*, SQL Type: *sqlTypeOther*, length: 70, nullable: *true*, editable: *true*)
- *UNIT_LINK* (type: *esriFieldTypeString*, alias: *Unit link*, SQL Type: *sqlTypeOther*, length: 12, nullable: *true*, editable: *true*)
- *LITH62* (type: *esriFieldTypeString*, alias: *LITH62*, SQL Type: *sqlTypeOther*, length: 35, nullable: *true*, editable: *true*)
- *LITH62MINO* (type: *esriFieldTypeString*, alias: *LITH62MINO*, SQL Type: *sqlTypeOther*, length: 35, nullable: *true*, editable: *true*)
- *State_* (type: *esriFieldTypeSmallInteger*, alias: *State*, SQL Type: *sqlTypeOther*, nullable: *true*, editable: *true*, Coded Values: [0: Unknown], [1: Arizona], [2: California], ... 9 more ...)
- *Shape__Area* (type: *esriFieldTypeDouble*, alias: *Shape__Area*, SQL Type: *sqlTypeDouble*, nullable: *true*, editable: *false*)
- *Shape__Length* (type: *esriFieldTypeDouble*, alias: *Shape__Length*, SQL Type: *sqlTypeDouble*, nullable: *true*, editable: *false*)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

USGS, NASA RECOVER, GIS TRc at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 1/18/2023

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Precipitation Accumulation Forecast

Quantitative Precipitation Forecast (QPF) within 6 Hours

Type Feature Layer

Tags quantitative precipitation estimates, rainfall amount, multi-sensor, weather radar, satellite, surface observations, very high-resolution, radar only, QPE, NMQ, MRMS, NSSL, Q3, NASA, RECOVER, GIS TRc at Idaho State University

Summary

This nowCOAST map service provides maps of Quantitative Precipitation Estimates (QPEs) from NOAA/NWS.

Source Data

Title: QPF 6 Hours Day 1

Provider: NOAA NWS Weather Prediction Center

Location: wpc_qpf (MapServer)

Last Modified: Daily

Acquired on: 2/1/2016

Web Link: https://mapservices.weather.noaa.gov/vector/rest/services/precip/wpc_qpf/MapServer/7

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *objectid* (type: esriFieldTypeOID, alias: objectid)
- *id* (type: esriFieldTypeSmallInteger, alias: id)
- *product* (type: esriFieldTypeString, alias: product, length: 20)
- *valid_time* (type: esriFieldTypeString, alias: valid_time, length: 30)
- *qpf* (type: esriFieldTypeDouble, alias: qpf)

- *units* (type: esriFieldTypeString, alias: units, length: 20)
- *issue_time* (type: esriFieldTypeString, alias: issue_time, length: 19)
- *start_time* (type: esriFieldTypeString, alias: start_time, length: 19)
- *end_time* (type: esriFieldTypeString, alias: end_time, length: 19)
- *idp_source* (type: esriFieldTypeString, alias: idp_source, length: 50)
- *idp_subset* (type: esriFieldTypeString, alias: idp_subset, length: 50)
- *idp_filedate* (type: esriFieldTypeDate, alias: idp_filedate, length: 8)
- *idp_ingestdate* (type: esriFieldTypeDate, alias: idp_ingestdate, length: 8)
- *idp_current_forecast* (type: esriFieldTypeInteger, alias: idp_current_forecast)
- *idp_time_series* (type: esriFieldTypeInteger, alias: idp_time_series)
- *idp_issueddate* (type: esriFieldTypeDate, alias: idp_issueddate, length: 8)
- *idp_validtime* (type: esriFieldTypeDate, alias: idp_validtime, length: 8)
- *idp_validendtime* (type: esriFieldTypeDate, alias: idp_validendtime, length: 8)
- *idp_fcst_hour* (type: esriFieldTypeInteger, alias: idp_fcst_hour)
- *basin* (type: esriFieldTypeString, alias: basin, length: 4)
- *shape* (type: esriFieldTypeGeometry, alias: shape)
- *st_area(shape)* (type: esriFieldTypeDouble, alias: st_area(shape))
- *st_perimeter(shape)* (type: esriFieldTypeDouble, alias: st_perimeter(shape))

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Organization's Name: NOAA NWS Weather Prediction Center

Contact Link: https://origin.wpc.ncep.noaa.gov/mail_products/

Credits

USGS, NASA RECOVER, GIS TReC at Idaho State University

Maintenance (RECOVER)

Update Frequency: As needed, live data feed from authoritative source

Last Updated: 2016

Data Properties

Type: Vector

Geometry Type: Polygon

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Elevation

TopographyElevation_WesternUS

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Elevation

Summary

Raster image describing basic elevation information for earth science studies and mapping applications for the Western US. Produced to help support post wildfire decision making. Topography of the Western US was developed using the USGS NED. It is a single, seamless TIF file originally designed to support the NASA RECOVER wildfire decision support system (DSS). Embedded within this image service are various raster function chains or templates that allow the user to easily view/analyze aspect, slope, and hillshade as well.

- This layer was improved in 2022 by pitfilling to reduce errors in elevation values.
- This layer was improved in 2023 by adding a meters to feet function allowing the user to instantly display and use elevation values in feet instead of the default (source) meters.

This layer was used to derive all NASA RECOVER aspect, slope (percent rise), and hillshade terrain layers.

Source Data

Title: National Elevation Dataset

Provider: USGS

Location: USGS > The National Map Staged Products Directory > Elevation/

Last Modified: Every 2 months

Acquired on: 9/28/2022

Web Link: <https://www.sciencebase.gov/catalog/item/4fcf8fd4e4b0c7fe80e81504>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 5/2/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Hillshade

TopographyHillshade_WesternUS

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Hillshade

Summary

Hillshade based on the topography of the Western US for earth science studies and mapping applications. Produced to help support post wildfire decision making.

Source Data

Title: Hillshade

Provider: RECOVER

Acquired on: 9/28/2022

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Aspect

TopographyAspect_WesternUS

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Aspect

Summary

Aspect raster layer for the western US derived from the pit-filled bare earth NED layer. This layer uses 10 meter pixel spatial resolution and was derived from the WesternUS terrain layer.

The aspect data set describes the direction of maximum rate of change in the elevations between each cell and its eight neighbors. It can essentially be thought of as the slope direction. It is measured in positive integer degrees from 0 to 360, measured clockwise from north. Aspects of cells of zero slope (flat areas) are assigned values of -1. Aspect data was derived from the Shuttle Radar Topography Mission (SRTM), and has been produced to help support post wildfire decision making.

Source Data

Title: Aspect

Provider: RECOVER

Acquired on: 9/28/2022

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 5/2/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Aspect - Cardinal Ordinal

TopographyAspect_CardinalOrdinalDirections

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Aspect

Summary

This layer is derived from the Aspect raster layer for the western US which is ultimately based on topographic data acquired from the USGS NED dataset. See metadata entries above for Aspect and Elevation for more information. This version of aspect has reclassified the aspect values into their cardinal & ordinal direction classes. Values of -1 represent terrain that is considered flat, values 0 and 360 both represent north facing slopes, a value of 90 represents east facing slopes, a value of 180 represents south facing slopes, and a value of 270 represents west facing slopes.

Source Data

Title: Aspect – Cardinal Ordinal Directions

Provider: RECOVER

Acquired on: 9/28/2022

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OID (type: Object ID, alias: OID, nullable: false, editable: false)*
- *Value (type: Long, alias: Value, nullable: false, editable: false)*
- *Count (type: Double, alias: Count, nullable: false, editable: false)*
- *Red (type: Long, alias: Red, nullable: false, editable: true)*
- *Green (type: Long, alias: Green, nullable: false, editable: true)*
- *Blue (type: Long, alias: Blue, nullable: false, editable: true)*
- *Aspect (type: Text, alias: Aspect, nullable: false, editable: true)*

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 8/14/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Steep Slopes

Topography_SteepSlopesGTE30PCT

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Slope, Steep

Summary

This raster data layer identifies slopes greater than or equal to 30 percent. Slope data was derived from Shuttle Radar Topography Mission (SRTM). The seamless 10-meter spatial resolution elevation raster data layer is also available through the NASA RECOVER project and can be accessed here: [WesternUS terrain](#)

Source Data

Title: Steep Slopes (GTE 30)

Provider: RECOVER

Acquired on: 9/28/2022

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 5/2/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Slope (Percent)

TopographySlopePercentRise_WesternUS

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Slope, Percent

Summary

Slope (in Percent rise) raster layer for the western US derived from the pit-filled bare earth NED layer. Slope data was derived from Shuttle Radar Topography Mission (SRTM). The seamless 10-meter spatial resolution elevation raster data layer is also available through the NASA RECOVER project and can be accessed here: [WesternUS terrain](#)

Describes the maximum change in the elevations between each cell and its eight neighbors. The slope is expressed in percent values and is a function of the rise divided by the run multiplied by 100 [(rise/run) * 100]. With a value of 0 for flat surfaces and increasing as terrain becomes steeper, approaching infinity as the slope gets closer to a vertical line. Slope data was derived from Shuttle Radar Topography Mission (SRTM), and has been prepared to help support post wildfire decision making.

Source Data

Title: National Elevation Dataset

Provider: USGS

Location: USGS > The National Map Staged Products Directory > Elevation/

Last Modified: Every 2 months

Acquired on: 9/28/2022

Web Link: <https://www.sciencebase.gov/catalog/item/4fcf8fd4e4b0c7fe80e81504>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 5/2/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Slope (Degrees)

TopographySlopeDegree_WesternUS

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Slope, Degrees

Summary

Slope (in degree rise) raster layer for the western US derived from the pit-filled bare earth NED layer. Slope data was derived from Shuttle Radar Topography Mission (SRTM). The seamless 10-meter spatial

resolution elevation raster data layer is also available through the NASA RECOVER project and can be accessed here: [WesternUS terrain](#)

Describes the maximum change in the elevations between each cell and its eight neighbors. The slope is expressed in integer degrees of slope between 0 and 90. Slope (in Degree) raster layer for the western US derived from the pit-filled bare earth NED layer. This layer uses 10 meter pixel spatial resolution.

Source Data

Title: National Elevation Dataset

Provider: USGS

Location: USGS > The National Map Staged Products Directory > Elevation/

Last Modified: Every 2 months

Acquired on: 9/28/2022

Web Link: <https://www.sciencebase.gov/catalog/item/4fcf8fd4e4b0c7fe80e81504>

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 5/2/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

Slope Steepness Rating

Topography_SlopeSteepnessRating

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, Topography, Steepness

Summary

This raster data layer is a reclassification of the Slope (Percent) dataset where slopes are classified into 10 classes based on their severity. Slope data was derived from Shuttle Radar Topography Mission (SRTM). The seamless 10-meter spatial resolution elevation raster data layer is also available through the NASA RECOVER project and can be accessed here: [WesternUS terrain](#).

Source Data

Title: Slope Steepness Rating

Provider: RECOVER

Acquired on: 9/28/2022

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OID (type: Object ID, alias: OID, nullable: false, editable: false)*
- *Value (type: Long, alias: Value, nullable: false, editable: false)*
- *Count (type: Double, alias: Count, nullable: false, editable: false)*
- *SlopePCT (type: Text, alias: SlopePCT, nullable: false, editable: true)*
- *SlopeDesc (type: Text, alias: SlopeDesc, nullable: false, editable: true)*
- *Red (type: Long, alias: Red, nullable: false, editable: true)*
- *Green (type: Long, alias: Green, nullable: false, editable: true)*
- *Blue (type: Long, alias: Blue, nullable: false, editable: true)*
- *Aspect (type: Text, alias: Aspect, nullable: false, editable: true)*

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

or

Organization's Name: USGS

Contact Email: answers.usgs.gov

Contact Phone: 1-888-392-8545

Credits

USGS (NED), STRM, NASA RECOVER, and GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 8/14/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI Baseline

WEBSERVICE_NDVI Baseline

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents the full range of NDVI values across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.
- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_Baseline

Provider: RECOVER

Last Modified: 9/13/2023

Web Link: https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_Baseline/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Fields

- *OBJECTID* (type: *esriFieldTypeOID*, alias: *OBJECTID*)
- *Shape* (type: *esriFieldTypeGeometry*, alias: *Shape*)
- *Name* (type: *esriFieldTypeString*, alias: *Name*, length: 200)
- *MinPS* (type: *esriFieldTypeDouble*, alias: *MinPS*)
- *MaxPS* (type: *esriFieldTypeDouble*, alias: *MaxPS*)
- *LowPS* (type: *esriFieldTypeDouble*, alias: *LowPS*)
- *HighPS* (type: *esriFieldTypeDouble*, alias: *HighPS*)
- *Category* (type: *esriFieldTypeInteger*, alias: *Category* , Coded Values: [0: Unknown] , [1: Primary] , [2: Overview] , ...6 more...)
- *Tag* (type: *esriFieldTypeString*, alias: *Tag*, length: 100)
- *GroupName* (type: *esriFieldTypeString*, alias: *GroupName*, length: 100)
- *ProductName* (type: *esriFieldTypeString*, alias: *ProductName*, length: 100)
- *CenterX* (type: *esriFieldTypeDouble*, alias: *CenterX*)
- *CenterY* (type: *esriFieldTypeDouble*, alias: *CenterY*)
- *ZOrder* (type: *esriFieldTypeInteger*, alias: *ZOrder*)
- *Shape_Length* (type: *esriFieldTypeDouble*, alias: *Shape_Length*)
- *Shape_Area* (type: *esriFieldTypeDouble*, alias: *Shape_Area*)
- *AcquisitionDate* (type: *esriFieldTypeInteger*, alias: *AcquisitionDate*)
- *Dimensions* (type: *esriFieldTypeString*, alias: *Dimensions*, length: 50)
- *Variable* (type: *esriFieldTypeString*, alias: *Variable*, length: 50)
- *StdTime* (type: *esriFieldTypeDate*, alias: *Standard Time*, length: 8)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI Mean

WEBSERVICE_NDVI Mean

Type Raster Dataset

Tags NASA RECOVER, GIS TReC at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents mean NDVI values across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (3) Use the [online app](#) to extract summary statistics for individual points.
- (4) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_Mean

Provider: RECOVER

Last Modified: 9/13/2023

Web Link: https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_Mean/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI Median

WEBSERVICE_NDVI Median

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents median NDVI values across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.
- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_Median

Provider: RECOVER

Last Modified: 9/13/2023

Web Link: https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_Median/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI Maximum

WEBSERVICE_NDVI Maximum

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents maximum NDVI values across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.

- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_Maximum

Provider: RECOVER

Last Modified: 9/13/2023

Web Link: https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_Maximum/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI Standard Deviation

WEBSERVICE_NDVI Standard Deviation

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents the standard deviations of NDVI values across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.
- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_Standard_Deviation

Provider: RECOVER

Last Modified: 9/13/2023

Web Link:

https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_Standard_Deviation/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI 95% CI Upper Bound

WEBSERVICE_NDVI 95PCT CI Upper Bound

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents the NDVI values for the upper bound of the 95% confidence interval of the entire NDVI dataset across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.
- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_95PCT_CI_Upper_Bound

Provider: RECOVER

Last Modified: 9/13/2023

Web Link:

https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_95PCT_CI_Upper_Bound/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024

NDVI 95% CI Lower Bound

WEBSERVICE_NDVI 95PCT CI Lower Bound

Type Raster Dataset

Tags NASA RECOVER, GIS TRc at Idaho State University, Wildfire, Western US, NDVI

Summary

This data represents the NDVI values for the lower bound of the 95% confidence interval of the entire NDVI dataset across the Western US. To help land managers understand the pre-fire condition of vegetation, the NASA RECOVER DSS developed the NDVI Baseline, a long-term library of Landsat 8 OLI NDVI imagery across the entire western United States. This seamless and comprehensive collection contains over 18,000 scenes and over 1.1 billion pixels. Learn more about development of the NDVI Baseline [here](#). Extracting data from this massive dataset can be done in two ways:

- (1) Use the [online app](#) to extract summary statistics for individual points.
- (2) Use ArcGIS Pro desktop [tutorial](#) to extract point profiles or polygon data across the entire temporal range of available data.

Source Data

Title: NDVI_95PCT_CI_Lower_Bounds

Provider: RECOVER

Last Modified: 9/13/2023

Web Link:

https://giscenter.rdc.isu.edu/server/rest/services/RECOVER/NDVI_95PCT_CI_Lower_Bounds/ImageServer

Spatial Reference:

EPSG 102039 (NAD 1983 USGS Contiguous USA Albers)

Use limitations

None; this dataset is intended for public access and to help support post wildfire decision making.

Contact Information

Individual's Name: Keith Weber

Organization's Name: GIS Training and Research Center at Idaho State University

Contact's Position: GIS Director

Credits

NASA RECOVER, GIS Training and Research Center at Idaho State University

Maintenance (RECOVER)

Update Frequency: Irregular

Last Updated: 9/13/2023

Data Properties

Type: Raster

Units: Meters

Metadata Properties

Metadata Language: English

Character Set: utf8 - 8 bit UCS Transfer Format

Last Updated: 4/1/2024