2022 Updates to the National Incident Feature Service and Event Geodatabase

01/01/2022

- **NIFS Views**
  All Views (except GISS Edit and IRIN Edit) and Web Map Templates are now filtered by default to remove features with *FeatureStatus* 'Archive,' *DeleteThis* 'Yes,' and *IsVisible* 'No' values. This can be adjusted as necessary after a copy of the Web Map Template has been saved.
  For more information on the available NIFS services, please see the GeoOps Service List page or the layer's item details.

  - **GISS Edit**
    Restricted to qualified GISS and approved trainees. Delete enabled.
  - **Mobile Edit**
    For use in web maps for mobile data collection.
  - **Repair Status**
    Displays Accountable Property, Event Point, and Event Line by *RepairStatus* attribute.
  - **Internal View**
    View only layer with all attributes exposed. Not Sync enabled.
  - **Mobile View**
    View only layer with Sync enabled for use as reference in mobile apps.
  - **IRIN Edit**
    Restricted to IRIN. Contains only IR layers. Delete enabled.

  Each view has a Training equivalent that is linked to from the item details and available in the Training Resources Group.

- **Schema Changes**
  - **Feature Class Updates**
    - IR Line – *Removed*
    - Perimeter Line - *Added*
  - **Field Updates**

Added
Removed

Accountable Property	Event Point	Event Line	Event Polygon	IR Polygon
RepairsNeeded	RepairsNeeded	RepairsNeeded	ComplexName	ComplexName
RepairPriority	RepairPriority	RepairPriority	Acres_AutoCalc*	
	GISS_Misc2	GISS_Misc2	GISS_Misc2	

*Acres_AutoCalc will remain an attribute in the WFIGS Perimeter services

- o **Domain Updates**
  - ▪ FeatureCategory_PerimLine - *Added*
    - • Contained, Uncontained
  - ▪ RepairPriority - *Added*
    - • Unknown, Low, Medium, High
  - ▪ FeatureCategory_Line
    - • Route --> Aviation Route
    - • Fire Edge --> Fire Edge (Field Collection)
    - • Contained Line - *Removed*
  - ▪ FeatureCategory_Point
    - • Check Point --> Aviation Check Point
  - ▪ ArchClearance
    - • Cleared for Repair --> Cleared for Mechanical Repair
  - ▪ RepairStatus
    - • Unknown --> Needs Assessment
  - ▪ Map Method
    - • Infrared Image --> IR Image Interpretation

- **Utilizing New Fields**
  - o RepairsNeeded
    - ▪ Use for defining repair work necessary for features that *differs from or goes beyond* the repair standards set in the Incident Suppression Repair Plan.
  - o RepairPriority
    - ▪ Use to designate the priority of repairing certain features over others based on potential impacts and the guidance of the Incident Suppression Repair Plan.
    - ▪ Domain uses coded integers for potential "Repair Score" calculations of designated areas.
      0 – Unknown
      1 – Low
      2 – Medium
      3 – High
  - o ComplexName
    - ▪ Returned to the NIFS by popular demand, the ComplexName will be available in the Event Polygon layer for use in queries and display.
    - ▪ Does not change that the *Incident* IRWIN ID must be used for perimeters to properly display in the public services.
    - ▪ Attributes of an incident's parent Complex will be displayed for perimeters in the public services directly from IRWIN.

- **Using the New Perimeter Line Feature Class**
  - Features in this layer represent the Contained/Uncontained status of the perimeter. It is essentially the previously used *Fire Edge* and *Contained Line* feature categories split out from Event Line for ease of use and containment calculations.
  - Use of the *Contained* and *Uncontained* feature categories in this layer remains the same as the previous workflow.
    - The entire fire perimeter should be covered by either *Uncontained* or *Contained* features (i.e. there should be Perimeter Line features coincident with the entire fire polygon).
    - Different types of completed line (dozer, hand, etc) should be tracked where they exist using the appropriate Event Line features. They should be placed coincident with a Contained Line feature when they are the containment line.
  - An optional Containment Strategy text field is provided for teams that wish to track different containment strategies being implemented for different sections of the perimeter.
  - A *Fire Edge (Field Collection)* feature category remains in the Event Line layer to allow perimeter changes to be captured by field personnel. These features should be incorporated into the Perimeter Line and Event Polygon layers upon review and approval.

- **Lat/Long .CAL Files**
  New .cal files are provided that will now automatically account for different coordinate reference systems to calculate WGS84 Lat/Long in DDM.
  There is no longer a need to determine the CRS of the data. One file for Latitude, one for Longitude.

- **Symbology Updates**

  Efforts to reach parity between the desktop and web service symbology continue. Additional improvements based on feedback from the annual GISS Survey include:
  - Planned Lines are now pink and dashed/broken.
  - Hazard symbol is now a yellow triangle with red boarder and exclamation mark.
  - Repair Status symbols updated to follow the color wheel and allow better differentiation in colorblind individuals.

⎯⎯ | ● ⎯⎯	Planned Burnout
⋉⋉ ⋉⋉	Planned Dozer Line
Λ V Λ	Planned Fuel Break
H · H ·	Planned Hand Line
M · M ·	Planned Mixed Construction Line
P · P ·	Planned Plow Line
R · R ·	Planned Road as Line
S · S ·	Planned Secondary Line

⎯ | ● | ● | ●	Completed Burnout
⋉⋉⋉⋉⋉⋉	Completed Dozer Line
ΛΛΛΛΛ	Completed Fuel Break
H⎯⎯H⎯⎯	Completed Hand Line
M⎯⎯M⎯⎯	Completed Mixed Construction Line
P⎯⎯P⎯⎯	Completed Plow Line
R⎯⎯R⎯⎯	Completed Road as Line

Repair Status

- ◯ In Use - Fire Management
- ● Needs Assessment
- ● Repair Needed
- ● In Progress
- ● Completed - Ready for Inspection
- ▉ Completed - Inspected
- No Repair Needed
- ● Other - See Comments

Repair Status

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