National Incident Feature Service Workflows

NIFC ArcGIS Online Organization

VERSION 2

March 2018

NATIONAL PARK SERVICE - NIFC
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1 Introduction

1.1 Objective

To introduce two workflows, which will help improve situational awareness and integrate field collected data into a GISS workflow. It is important for users to understand the importance of using the National Incident Feature Service and how it streamlines data standards and sharing.

1.2 Description: National Incident Feature Service

Incidents of any size should use the same feature service in their web maps: the National Incident Feature Service. This will help with streamlining data sharing, quick deployment of ArcGIS Online and Collector, and transitioning between teams. This service is hosted by the Fire Enterprise Geospatial Portal (EGP). Because of where this data is hosted, it can easily be shared near-real time with fire personnel at any time or location.

1.3 Overview

The workflows described in this document utilize templates on the National Interagency Fire Center Organization (NIFC Org); this is an ArcGIS Online (AGOL) account/organization. Membership to this Org is required.

NOTE: The following workflows utilize web maps with the National Incident Feature Service. *This service should be used whenever possible to simplify web map setup and data integration.* For additional information about this feature service and its importance go to Section 6 –ArcMap or ArcGIS Pro Workflow.

The Workflows:

1.3.1 Standard Workflow:

This workflow uses one template web map, "Incident Web Map Template." It is for teams looking for a simple approach to AGOL implementation, for those not concerned about having each feature approved. All features are visible, field editing is enabled for points and lines (polygon editing in the field is disabled by default).

1.3.2 Approval Workflow:

This workflow gives the approver (most likely the Situation Unit Leader - SITL) the ability to approve every new feature before it would become viewable in the Viewer web map. Team members that have access to the Viewer map are only able to see features that have been 'Approved'.

1.3.3 Suppression Repair Workflow:

The Suppression Repair Workflow can be used in conjunction with either the Standard or Approval Workflows. It can be used to track and record suppression repair activities on an incident.

1.3.4 ArcMap or ArcGIS Pro Workflow:

This workflow details how to access the National Incident Feature Service and integrate it into existing GISS incident processes. It will describe how to access the Service in ArcMap or ArcGIS Pro: how to stay in sync with a local gdb, edit, and create backups.

1.3.5 Training Workflow:

This workflow follows the Standard Workflow but uses the #TRAINING National Incident Feature Service.

Target Audience

- GISS/GISS Leads
- SITL (involved in the Approval workflow)

1.4 Requirements

- NIFC Org account and password: https://nifc.maps.arcgis.com/home/index.html
- EGP account with the **GISS Role** – request account here: http://egp.nwcg.gov
- Read and understand the 'Rules of Behavior', here
- Be assigned the **GISS** role in the NIFC Org
- Approver Web Map: **User** or **GISS** role and invited to correct groups

1.5 Technical Support

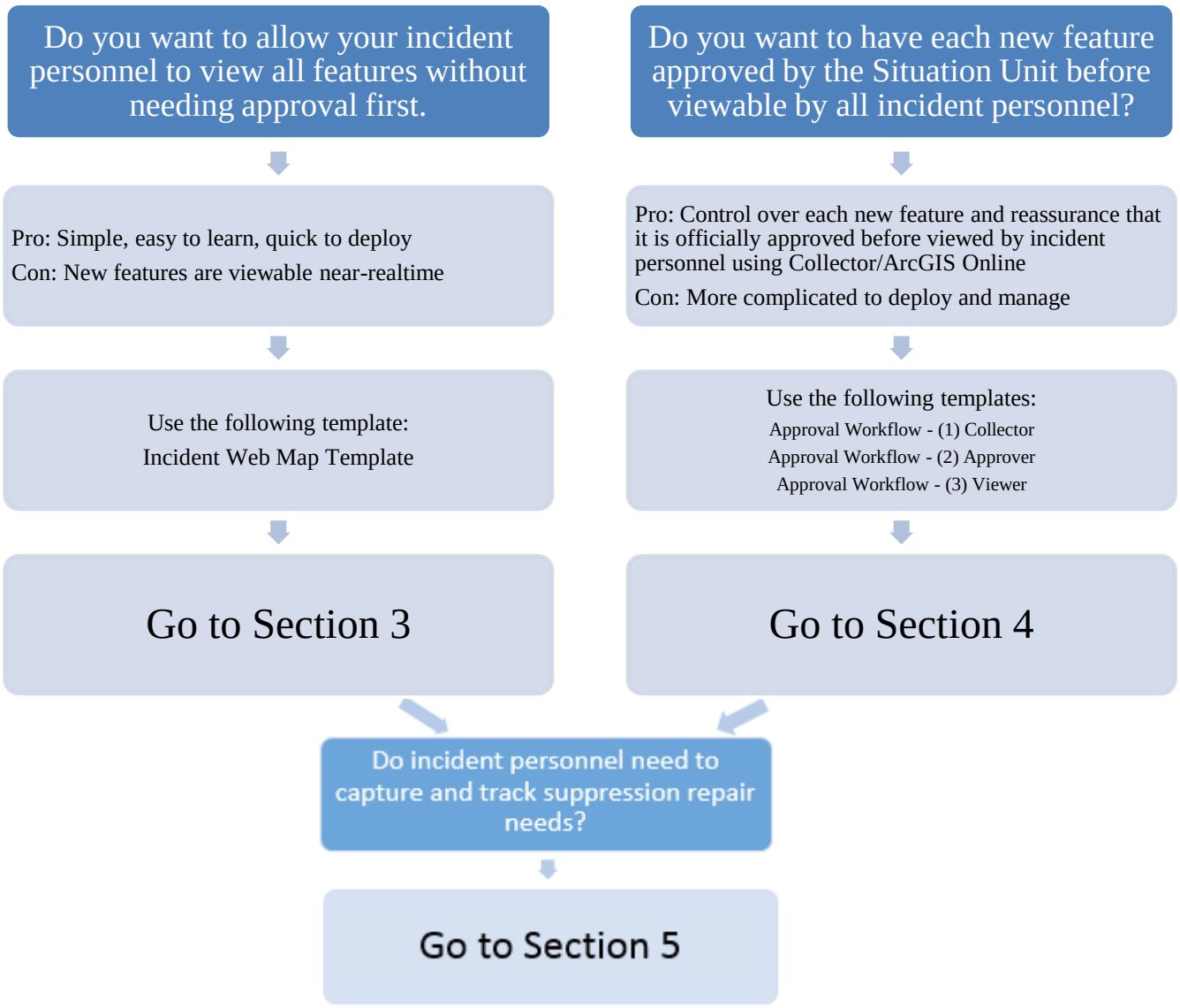
For questions or issues dealing with the NIFC account, please use this form: https://goo.gl/hMf1Js

1.6 Feedback Requested

Please provide feedback and comments on this workflow. These comments are critical to making this a better workflow for the GIS community. To provide feedback please email: wildfireresponse@firenet.gov

2 Which Workflow?

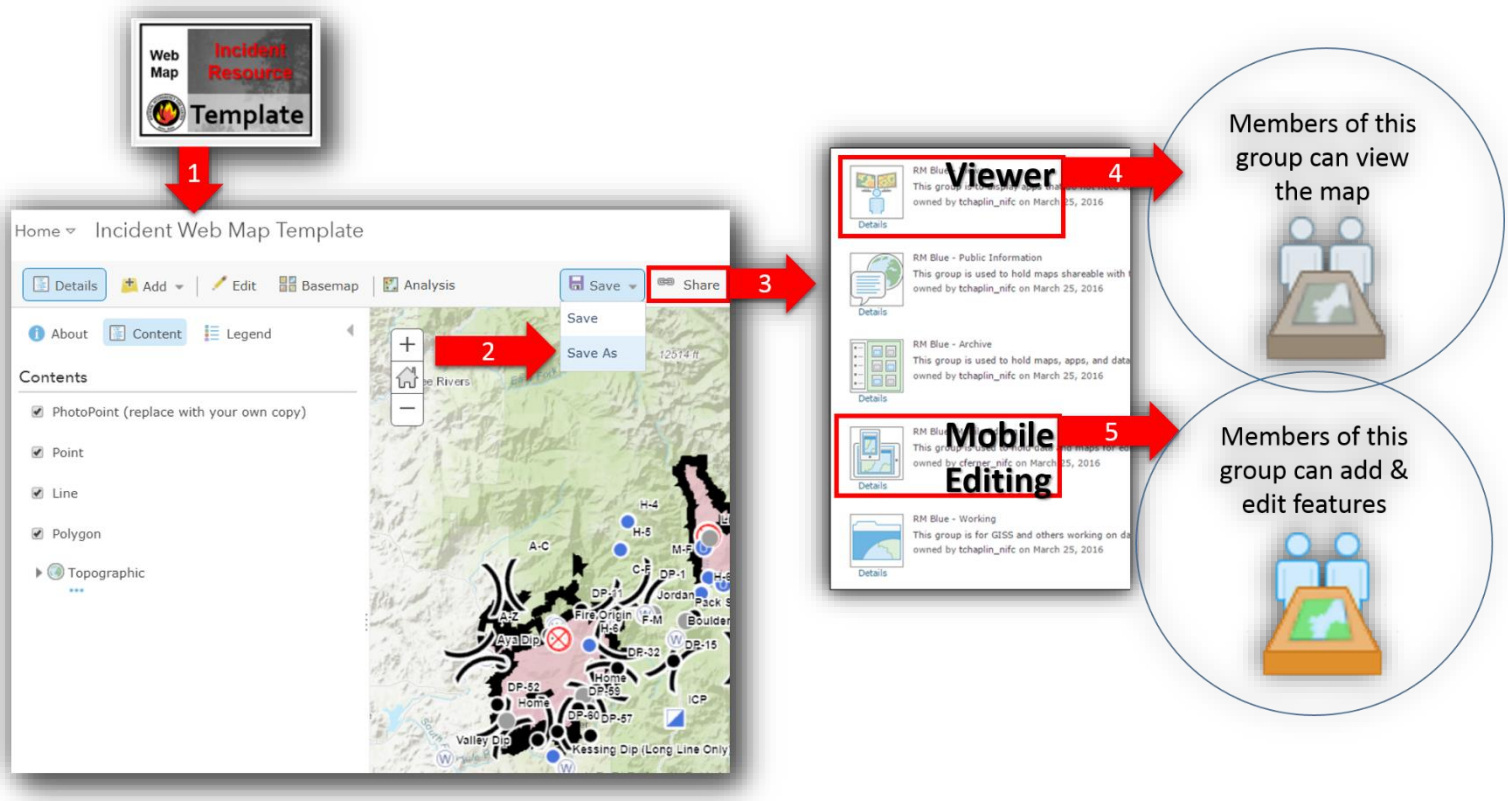
Figure 1: Decide which workflow to use



3 Standard Workflow

This workflow uses one template web map. It is for teams looking for a simple approach to ArcGIS Online implementation. All features are visible. Field editing is enabled for points and lines and disabled for polygons.

Figure 2: Standard Workflow overview.



Note: For more details on how to use the five standard groups, view the NIFC Org doc in the Tools group: **https://goo.gl/aE2USp**

Figure 3: The template web map and service used in the Standard Workflow

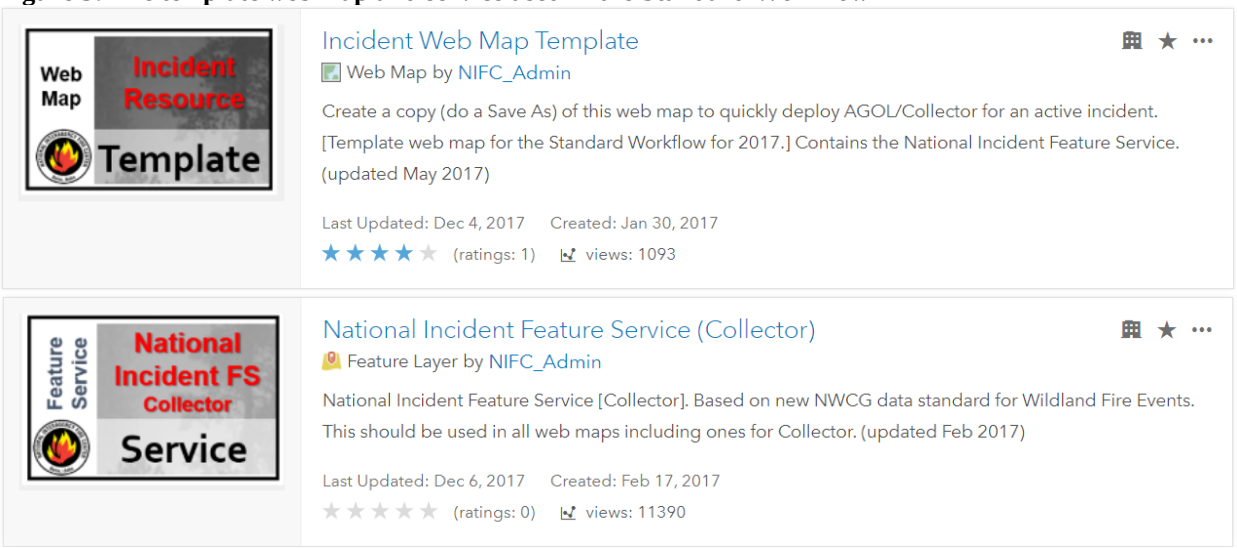
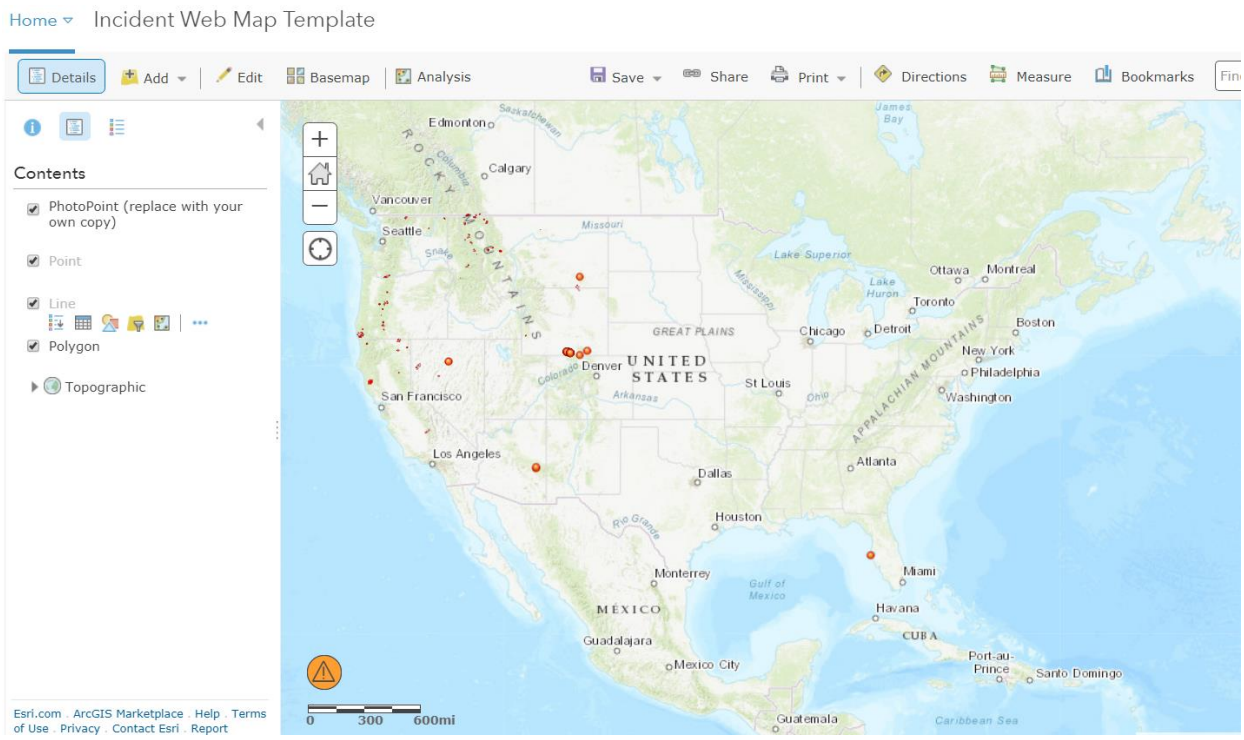


Figure 4: Standard Workflow web map template
Web map URL: https://goo.gl/tWA4AJ



Incident Web Map Template Layers:

Layer Ordering	Editable	Note	Feature Service Source
PhotoPoint	Yes	Create a copy and replace the existing	
Point	Yes	Labels enabled; Delete is disabled	Event Point
Line	Yes	Delete is disabled	Event Line
Poylgon	No	30% transparency	Event Polygon

Template web map is provided for quick deployment. Listed next are the steps to implement this Standard Workflow:

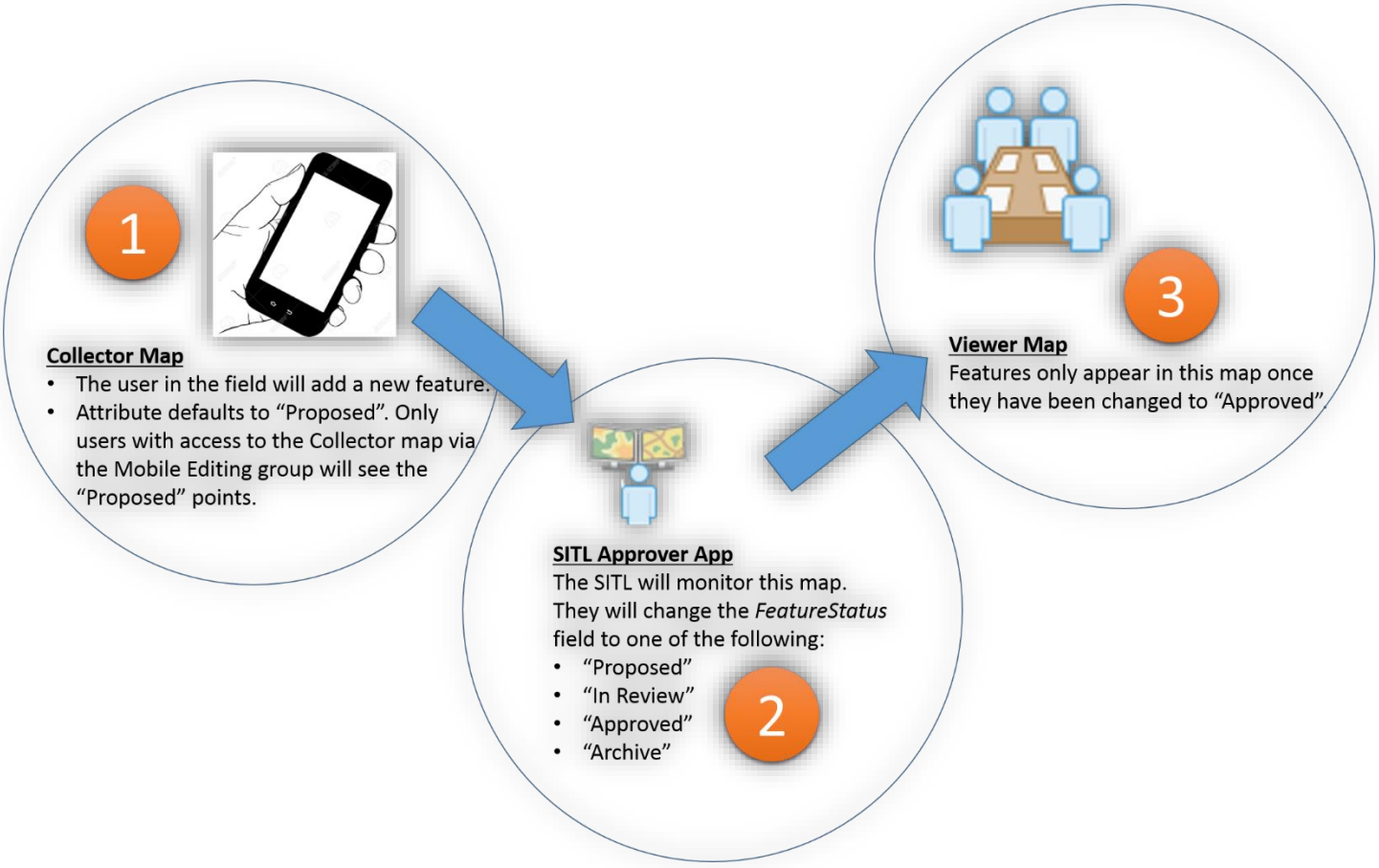
1) Open the web map template: '[Incident Web Map Template'](#)
    a. Or go to the NIFC Org Home Page and click Incident Resources
2) Do a Save As (Click Save and select Save As)
3) Zoom to your fire area and add bookmarks. Save.
4) Create your own copy of the PhotoPoints layer. (Contents > Create > Feature Layer)
    a. Add this layer to the web map. Save.
5) Share web map with your Mobile Editing group
6) Add necessary incident personnel to the Mobile Editing group
7) Make available for Viewers:
    a. Save out a second version of this map and disabling editing on Event point/line/polygon layers.
    b. Share this version with the Viewing group.
8) To track and manage suppression repair needs use the Suppression Repair Workflow

WARNING: Do not reconfigure web maps after field users have downloaded for use in Collector, issues will occur.

4 Approval Workflow

Three web maps are necessary for the Approval Workflow. This workflow gives the Situation Unit the ability to change the status of new features from "Proposed" to "In Review", "Approved" or "Archive". The approver will work with Operations to change features from "Proposed" to "Approved". Team members that have access to the *Viewer Map* cannot see any new features until they are "Approved".

Figure 5: Approval Workflow overview



4.1 Approval Workflow – (1) Collector

This *Collector web map* is for field users. It is suggested that this is a limited group and that the group understands they will see "Proposed" features in the web map. Field users will be able to edit the Photo Point, Point, and Line layers.

Figure 6: *Approval Workflow – (1) Collector* web map template
Web map URL: https://goo.gl/uIXF6C

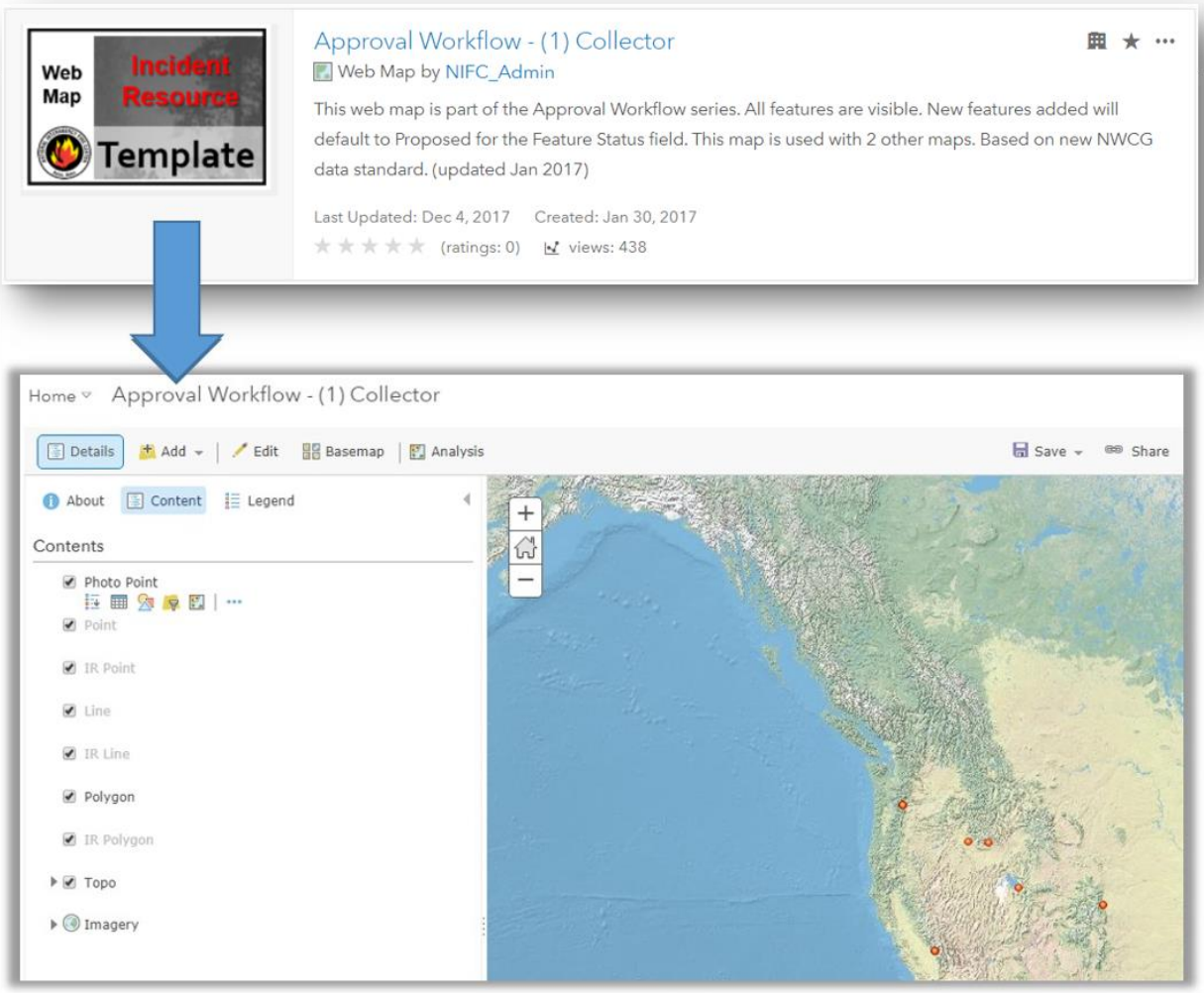


Table 1: *Approval Workflow – Collector* map layers

Layer Ordering	Editable	Note	Feature Service Source
Photo Point	**Yes**	Stores attachments	
Point	**Yes**	IR points have been removed from the symbol list; *FeatureStatus* defaults to "Proposed'; Delete is disabled	Event Point
IR Points	No		Event Point
Line	**Yes**	IR lines have been removed from the symbol list; *FeatureStatus* defaults to "Proposed"; Delete is disabled	Event Line
IR Lines	No		Event Line
Poylgon	No	IR Polygons have been removed from the symbol list; 30% transparency	Event Polygon
IR Polygon	No		Event Polygon

4.1.1 Steps

1) Open the web map template: 'Approval Workflow – (1) Collector'
    a. Or go to the NIFC Org Home Page and click Incident Resources
2) Do a Save As (Click Save and select Save As)
3) Zoom to your fire area and add bookmarks. Save.
4) Create your own copy of the PhotoPoints layer. (Contents > Create > Feature Layer)
    a. Add this to the web map. Save.
5) Share web map with your Mobile Editing group
6) Invite necessary incident personnel to the Mobile Editing group
7) All new features added will be automatically assigned as *FeatureStatus* = "Proposed"
8) Users that have access to this map will see all of the "Proposed" features
9) Map can be taken offline in Collector

4.2 Approval Workflow – (2) SITL Approver

The *SITL Approver web map* is meant to be used by the SITL in conjunction with Operations staff, to view and approve edits as they come in from the field. Once the SITL approves the feature in the map, using the edit tool and changing the *FeatureStatus* to "Approved", the features symbology will change color and become visible in the Viewing web map.

Figure 7: *Approval Workflow – (2) SITL Approver* web map template
Web map URL: https://goo.gl/iKxoOC

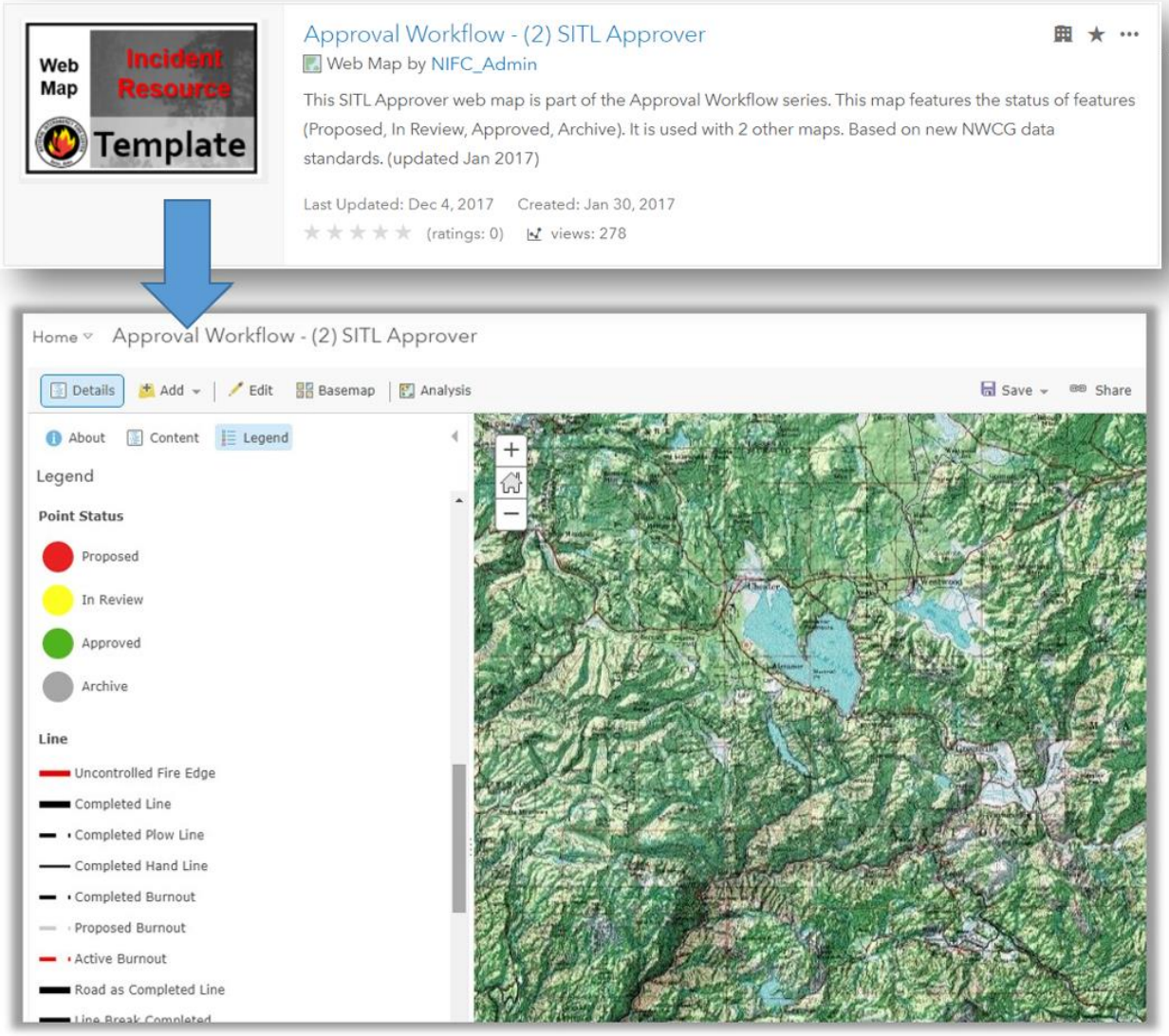


Table 2: *Approval Workflow – (2) SITL Approver* map layers

Layer Ordering	Editable	Note	Feature Service Source
Point	**Yes**	*FeatureStatus* defaults to "Proposed'; Delete is disabled	Event Point
Point Status	No	Copy of the Point layer; symbolized off of the *FeatureStatus* field	Event Point
Line	**Yes**	*FeatureStatus* defaults to "Proposed'; Delete is disabled	Event Line
Line Status	No	Copy of the Line layer; symbolized off of the *FeatureStatus* field	Event Line
Polygon	**Yes**	Editing disabled; 30% transparency	Event Polygon
Polygon Status	No	Copy of the Polygon layer; symbolized off of the *FeatureStatus* field	Event Polygon

4.2.1 Steps

1) Open the web map template: 'Approval Workflow – SITL Approver'
    a. Or go to the NIFC Org Home Page and click Incident Resources
2) Do a Save As (Click Save and select Save As)
3) Zoom to your fire area and add bookmarks
4) Add a refresh interval to the Status layers. A refresh rate can be setup for the layers in this map. This would allow the approver to automatically see new features without having to do a manual refresh. Save.
5) Create & Share out as a web app. Suggested ESRI App template = Editing
6) Share with your Working group
7) Invite the SITL to the Working group
8) All new features added will be automatically assigned as *FeatureStatus* = "Proposed"
9) SITL opens the web app to:
    a. Monitor app for "Proposed" features
    b. Change features to "Approved" when appropriate

4.3 Approval Workflow – (3) Viewer

This *Viewer web map* will most likely be used by most of the incident personnel. It will help improve situational awareness. It only displays features that have been changed to "Approved" by the SITL/approver.

Figure 8: *Approval Workflow – (3) Viewer* web map template
Web Map URL: https://goo.gl/VD8ikg

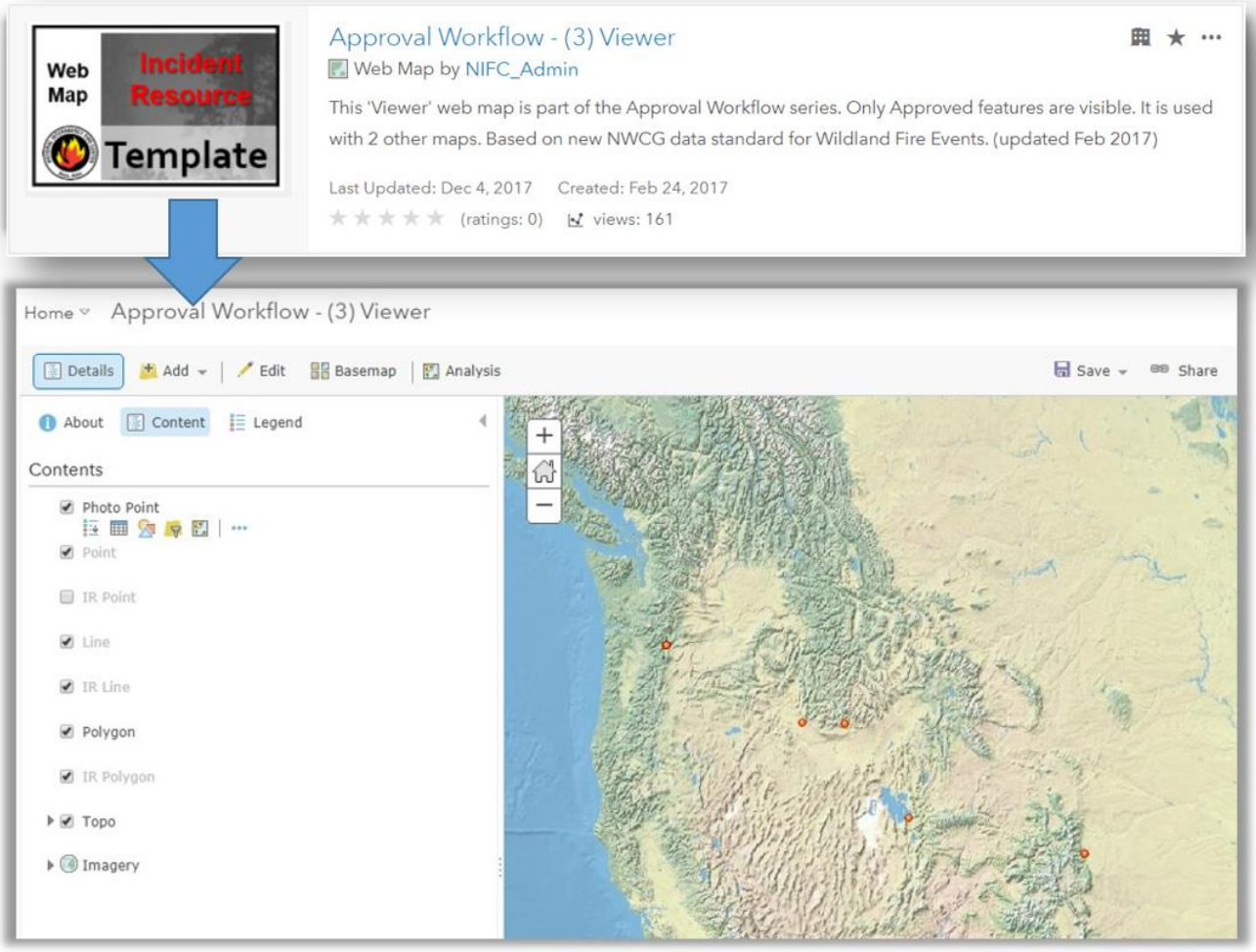


Table 3: ***Approval Workflow – (3) Viewer*** **map layers**

Layer Ordering	Editable	Note	Feature Service Source
Photo Point	**Yes**	Not intended for viewers to edit	
Point	No	Filter- *FeatureStatus* is "Approved"; has labels	Event Point
IR Point	No		Event Point
Line	No	Filter- *FeatureStatus* is "Approved"	Event Line
IR Line	No		Event Line
Polygon	No	Filter- *FeatureStatus* is "Approved"; Editing is disabled; 30% transparency	Event Polygon
IR Polygon	No		Event Polygon

4.3.1 Steps

1) Open the web map template: 'Approval Workflow – Viewer'
    a. Or go to the NIFC Org Home Page and click Incident Resources
2) Do a Save As (Click Save and select Save As)
3) Zoom to your fire area and add bookmarks
4) Replace the PhotoPoints layer. Save.
5) Share with your Viewer group
6) Invite incident personnel to the Viewer group
7) The only features that are viewable in this map have been "Approved" by the SITL. *FeatureStatus* = "Approved"
8) Create & Share out as a web app. Suggested ESRI App template = Basic Viewer
9) Map can be taken offline in Collector
    a. One layer needs to have editing still enabled. The intentions were for this to be the PhotoPoints layer. If you want this layer editing disabled, consider creating and adding a custom point layer.

5 Suppression Repair Workflow

Use this workflow alongside either the Standard or Approval Workflow.

The *Suppression Repair workflow* is used to track the status of the suppression repair efforts on a fire. At any time during the life cycle of a feature it can have the *RepairStatus* and *RepairComments* fields edited. The Repair Status Point and Repair Status Line layers are automatically populated with all of the features added in the Point or Line layers.

Table 4: *Suppression Repair Template* web map
Web Map URL: https://goo.gl/ai9xGN

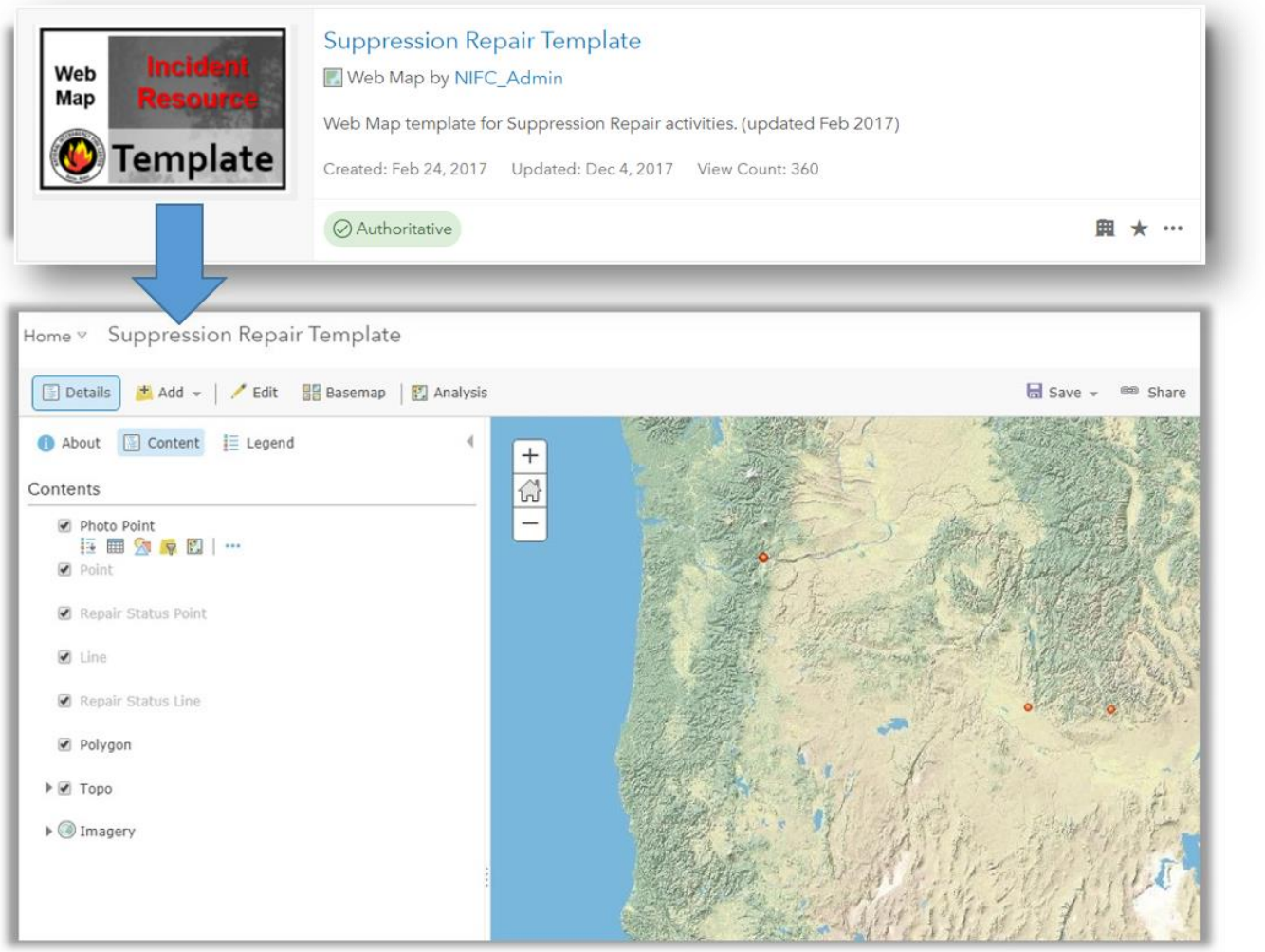


Table 5: *Suppression Repair Template* layers

Layer Ordering	Editable	Note	Feature Service Source
Photo Point	**Yes**	Stores attachments	
Point	**Yes**	Has labels; (OPTIONAL: Filter- *FeatureStatus* is "Approved");	Event Point
Repair Status Point	No	Symbolized off of the *RepairStatus* field	Repair Service
Line	**Yes**	(OPTIONAL: Filter- *FeatureStatus* is "Approved")	Event Line
Repair Status Line	No	Symbolized off of the *RepairStatus* field	Repair Service
Polygon	No	Editing is disabled; 30% transparency	Event Polygon

1) Open the web map template: 'Suppression Repair Template'
    a. Or go to the NIFC Org Home Page and click Incident Resources
2) Do a Save As (Click Save and select Save As)
3) Zoom to your fire area and add bookmarks
4) Add your PhotoPoint layer. Save.
5) Share with a group
6) Invite incident personnel to that group
7) Create & Share out as a web app
8) Map can be taken offline in Collector

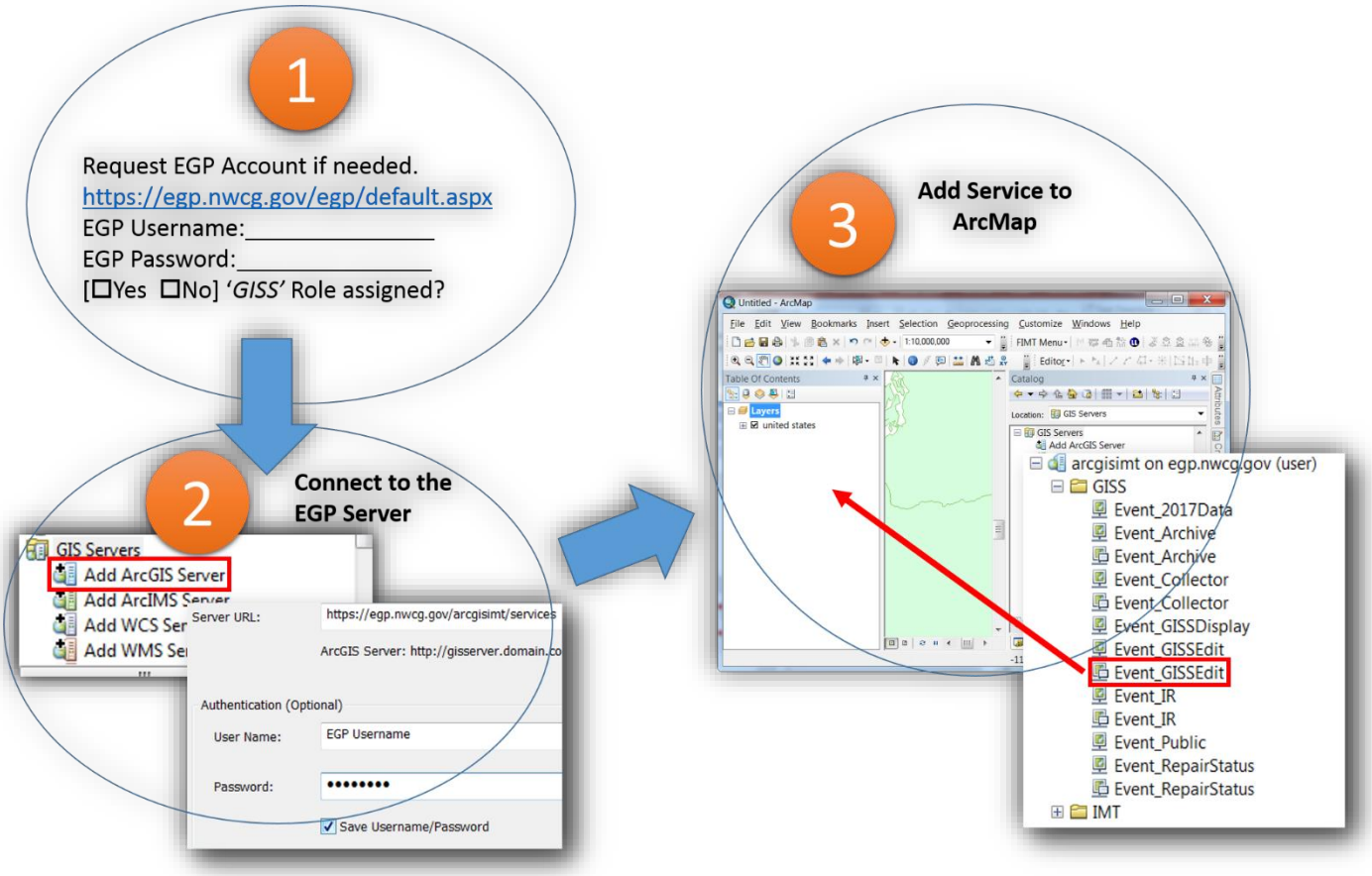
Note: Filters need to be set up in this map if shared with users who should only be viewing "Approved" features.

Note: Offline maps in Collector will not show a *RepairStatus* symbology-color change until a sync is performed.

6 ArcMap or ArcGIS Pro Workflow

This section describes how to access the National Incident Feature Service in ArcMap. It describe the steps necessary to update the National Incident Feature Service with the newest available data. The GISS will be able to edit the service: add, edit, or delete features. Geodatabase-copies of the service can be made. These can be used as the master geodatabase and/or as a backup.

Figure 9



Note: A single editor should be in charge of the editing workflow for a specific day.

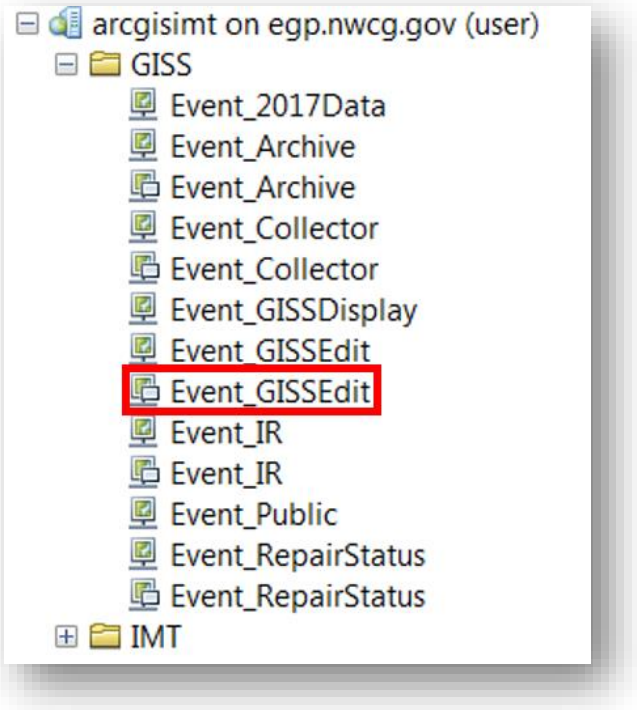
Note: The feature service does not store annotation. The map annotation should be stored in separate file geodatabases.

6.1 ArcMap

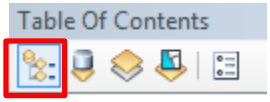
1) Get a Fire Enterprise Geospatial Portal (EGP) account. Make sure to ask for an account with the role *GISS* assigned.
    - Request one here: https://egp.nwcg.gov/egp/default.aspx
2) Connect to the EGP Server:
    - Open ArcCatalog
    - Expand 'GIS Servers'

- Add ArcGIS Server (double click)
- Use GIS Services > Next
- Service URL: https://egp.nwcg.gov/arcgisimt/services
- Enter your EGP username & password

3) Open a new mxd
4) Open the Catalog window in ArcMap
5) Scroll to the bottom of the Catalog window > Open GIS Servers > egp.nwcg.gov > GISS folder. Drag & Drop the **Event_GISSEdit** service from the GISS folder in the EGP service list. ****Note the new name for the service for 2018****
    - The Event_GISSEdit feature service has been created for the GISS to edit the service as a Local Copy in ArcMap. This is the only service that allows deleting.



6) Zoom to your AOI
    - In the next step you are going to create a Local Copy, which downloads a temporary gdb. The download will be based on the extent of your screen, so make sure you keep it as tight to the fire as possible. If you download data from other fires, just ignore it and leave it in the database.
7) Create Local Copy: Right click the group layer in the TOC, go to Edit Features, then click Create Local Copy for Editing



Make sure you are on the 'List by Drawing Order' tab.

    - This process creates a copy of the feature service as a gdb and saves it in a Feature Service Local Edits folder under your user.
    - More information on creating a local copy: http://desktop.arcgis.com/en/arcmap/10.3/manage-data/editing-fundamentals/making-a-local-copy-of-a-service-for-editing.htm
    - Leave the copy in place for your edits. Don't change the name!
8) Edit: Start editing – Save edits often and stop editing when finished
    - Try and make the edits in a timely manner so they can be shared with others using the service.

- Don’t sync yet!

9) Create a copy of the Local Copy to use as master (save in the incident_data folder)
    - Figure out the name and location of the local copy. Use the “List By Source” option in the table of contents to display the path to the local copy. It will have a name based on a GUID for local copy.
    - Use ArcCatalog to create a copy of the gdb.
    - Paste the gdb into the incident_data > backup folder in your data structure. Change the name to the correct date/time to follow the GSTOP requirements.
    - Copy the gdb to your incident_data folder and use it as the master version of the gdb. Use it as a read-only copy for map production. *But don’t edit it*.
10) Sync: Synchronize the edits – right-click the group layer, go to Edit Features, then click Synchronize Local Edits with Server
11) Repeat this process to do more edits as you can only sync one time per local copy GDB

6.2 ArcGIS Pro

ArcGIS Pro can be used to edit the National Incident Feature Service but it does not maintain an offline copy as a backup.

- Access the feature service using your EGP password
  https://egp.nwcg.gov/arcgisimt/rest/services/GISS/Event_GISSEdit/FeatureServer
- Edit the data directly and Save

Request a license for ArcGIS Pro for use with the NIFC Org: https://goo.gl/hMf1Js

7 Appendix – Feature Services

The following are different versions of the National Incident Feature Service. These services all point back to the same Event layers hosted by EGP.

Figure 10: Services from the EGP server

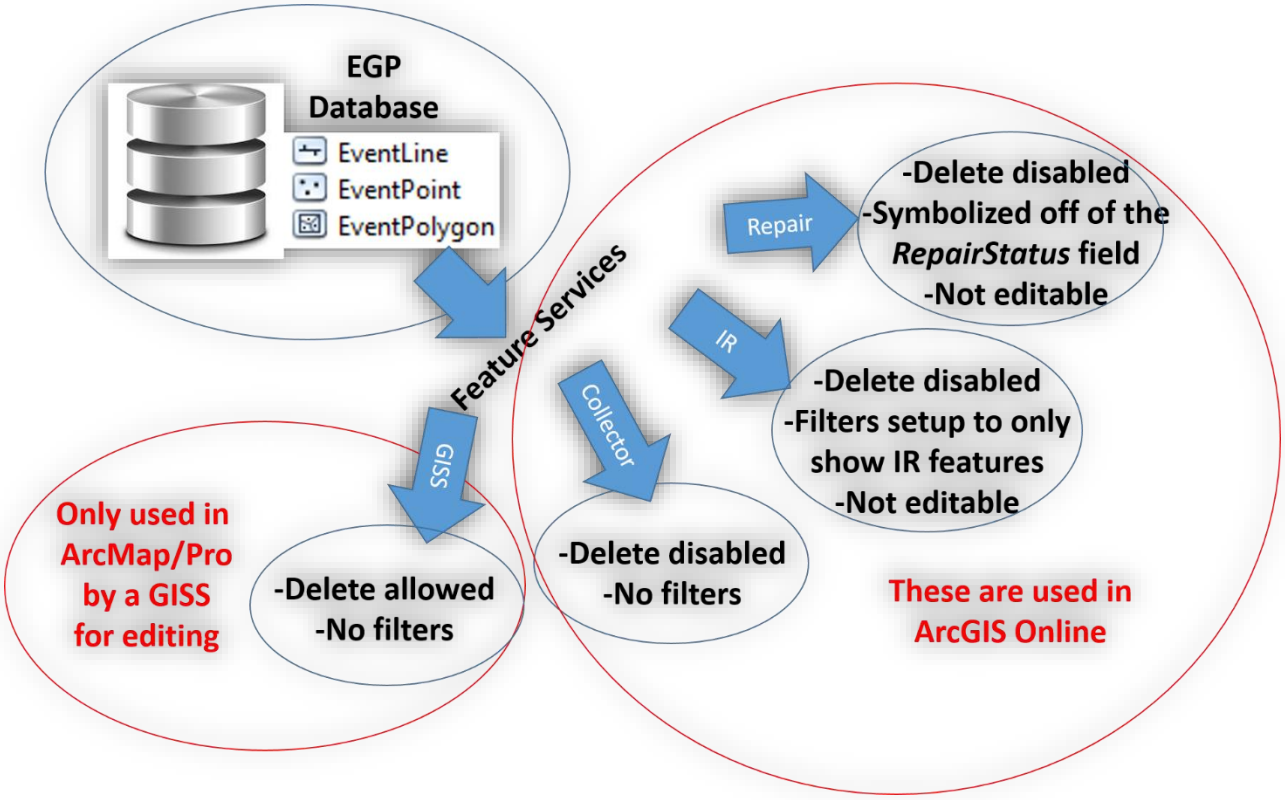
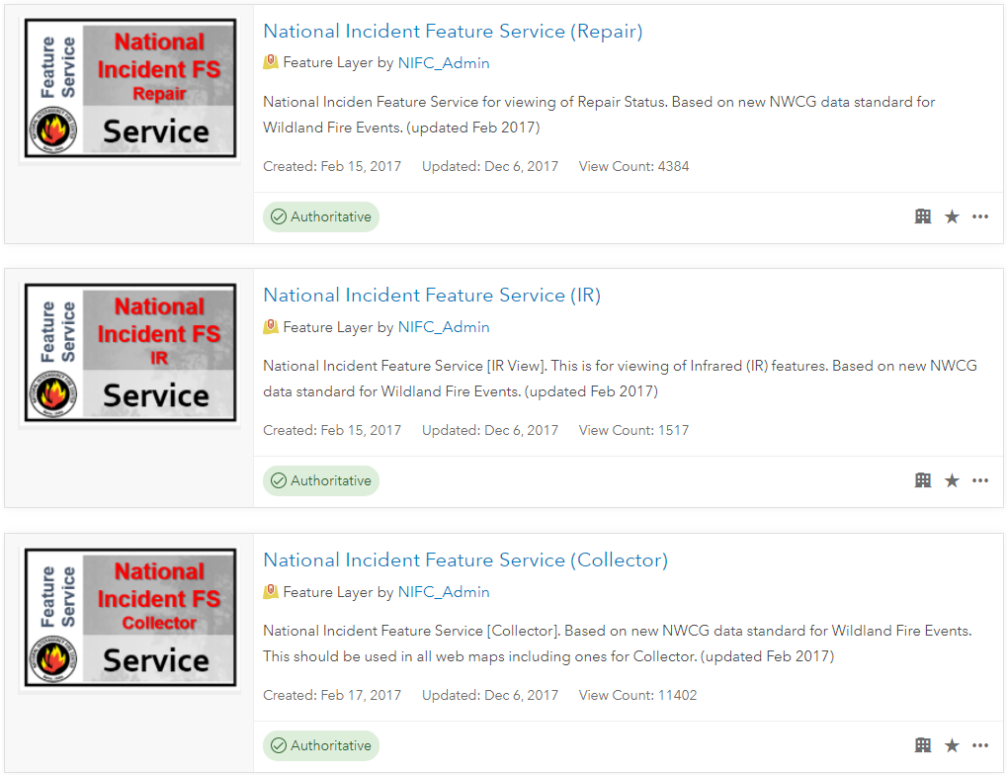


Figure 11: Different versions of the National Incident Feature Service in the NIFC Org



7.1 National Incident Feature Service (Collector)

Point, Line, and Polygon feature classes based on the NWCG Approved Event schema. All features are included and symbolized on the *FeatureCategory* attribute.

1) Service name: Event_Collector
2) Access via 'Incident Resources' group
3) Layers: EventPoint, EventLine, EventPolygon
4) Filters: None

Table 6: Pop-up configuration for *National Incident Feature Service (Collector)*

Point		**Line**		**Polygon**	
Title: {FeatureCategory} {Label}		Title: {FeatureCategory}		Title: {FeatureCategory}	
POP-UP Display/Order	**Note**	**POP-UP Display/Order**	**Note**	**POP-UP Display/Order**	**Note**
Incident Name		Incident Name		Incident Name	
Feature Category (Point Type)		Feature Category (Line Type)		Feature Category (Polygon Type)	
Collector Name		Collector Name		Collector Name	
Label		Map Method		Map Method	
Map Method		Comments		Comments	
Comments		Repair Status		Delete this feature?	
Angle (for Assignment Breaks)	Decimals 0.1	Repair Comments			
Latitude	Editing disabled	Delete this feature?			
Longitude	Editing disabled				
Repair Status					
Repair Comments					
Property Info					
Delete this feature?					

7.2 National Incident Feature Service (IR)

IR Point, IR Line and IR Polygon feature classes for the IR data only. Editing is disabled. Only IR data appears in this service so that the user has the ability to turn the layer on or off in a map.

1) Server name: Event_IR
2) Access via 'Incident Resources' group
3) Layers: IR Point, IR Line, IR Polygon
4) Filters: Set up on the EGP Server=only IR data visible

Table 7: Pop-up configuration for *National Incident Feature Service (IR)*

Point		**Line**		**Polygon**	
Title: *{FeatureCatergory} {ObjectID}*		Title: *{FeatureCatergory}*		Title: *{FeatureCatergory}*	
POP-UP Display/Order	**Note**	**POP-UP Display/Order**	**Note**	**POP-UP Display/Order**	**Note**
Comments		Comments		Comments	
PointDateTime		LineDateTime		PolygonDateTime	
Latitude	Editing disabled				
Longitude	Editing disabled				

7.3 National Incident Feature Service (Repair)

Point and Line feature classes symbolized on the *RepairStatus* attribute. Editing is disabled.

1) Server name: Event_Repair
2) Access via 'Incident Resources' group
3) Layers: Repair Point, Repair Line
4) Filters: None
5) Pop-ups: Remove(d)

7.4 National Incident Feature Service (GISS)

Service that the GISS will use in ArcMap/Pro. Features can be edited. Delete is allowed. Not available for use in web maps. Go to *ArcMap or ArcGIS Pro* for details on how to work with this service.

1) Server name: Event_GISS
2) Access in ArcMap/Pro by connecting to the EGP Server
3) URL: https://egp.nwcg.gov/arcgisimt/rest/services/GISS/Event_GISSEdit/FeatureServer
4) Layers: EventPoint, EventLine, EventPolygon

7.5 Photo Points

For storing attachments. Make a copy and use that in your web maps.

1) AGOL hosted
2) URL: http://services3.arcgis.com/T4QMspbfLg3qTGWY/arcgis/rest/services/TRAINING_PhotoPoint/FeatureServer
3) Layers: Photo Point

Table 8: Pop-up configuration for Photo Point

Title: PhotoPoint
POP-UP Display/Order
Comment
ObjectID

7.6 #TRAINING National Incident Feature Service (2018)

Service that is identical to the National Incident Feature Service (2018) but should only be used for training. Point, Line, and Polygon feature classes based on the NWCG Approved Event schema. All features are included and symbolized on the *FeatureCategory* attribute.

1) Server name: Event_GISSEdit
2) Access via Training Resources Group
3) URL: https://egptest.nwcg.gov/arcgisimt/rest/services/GISS/Event_Collector/FeatureServer
4) Layers: EventPoint, EventLine, EventPolygon

8 Event Schema

Description of the fields in the Event Point, Lines, and Polygons.

To view the Data Standard worksheet and the full descriptions of the fields go to: https://www.nwcg.gov/data-standards

8.1 Event Point attributes

Fields	**Alias** *(If different than field)*	**Purpose**
OBJECTID		Automatically populated
IncidentName	Incident Name	The name assigned to an incident; assigned by responsible land management unit. (IRWIN required). Official recorded name
FeatureCategory	Feature Category (Point Type)	Type of wildland fire point.
Collector	Collector Name	**Editor tracking doesn't work, have editors enter their name here.**
Label	Label	Text label displayed with the point.
MapMethod	Map Method	How is the feature collected (e.g., GPS)
Comments	Comments	Additional information describing the feature.
Angle	Angle (for Assignment Breaks)	The angle needed for the assignment breaks (Division, Branch, etc.)
LatWGS84_DDM	Latitude	For labeling. Need to be able to display in DD mm.mmm to communitcate to pilot
LongWGS84_DDM	Longitude	For labeling. Need to be able to display in DD mm.mmm to communitcate to pilot
RepairStatus	Repair Status	Use for tracking suppression repair needs
RepairComments	Repair Comments	Add comments about suppression repair needs
PropertyInfo		For serial numbers, etc…
DeleteThis		Delete is disabled for the National Incident Feature Services. A field user word indicate a feature needs to be deleted via this field.
FeatureAccess		Use this field to identify certain groups that can view. (Domain: Public, Cooperators, Incident, Restricted, Unknown) Default=Cooperators
FeatureStatus		Use this field with the Approval Workflow. (Domain: Proposed, In Review, Approved, Archive) Default=Proposed
IsVisible		Optional field to use for filtering, defaults to Yes
PointName		Use if different from Label
ContactName		Name of the incident based contact responsible for data creation. Polpulated by FGX
ContactEmail		Email of the incident based contact responsible for data creation. Populated by FGX
ContactPhone		Phone number for the incident based contact responsible for data creation. Polpulated by FGX
CreateName		Name of the person creating the feature. For editor tracking
CreateDate		Date the feature was created. UTC format. For editor tracking
EditName		Name of the person editing the feature. For editor tracking
DateCurrent		Date the feature was edited. UTC format. For editor tracking
PointDateTime		The date and time that the fire point was collected (mapped). UTC format.
ComplexName		For Complex
ComplexID		For Complex

GACC		GACC that incident is in
IMTName		IMT managing incident
UnitID		Code used in interagency wildland fire to uniquely identify a particular organizational unit (office **administratively responsible** for either managing incidents/projects, providing resources, or providing logistical services) within the government or a non-government organization recognized by NWCG as a wildland fire cooperator
LocalIncidentID		
IRWINID		Primary key for linking to the Wildland Fire Locations Point dataset. The origin of this GUID is the wildland fire locations point data layer. (This unique identifier may NOT replace the GeometryID core attribute). Acquire from EGP or the service in the NIFC Org Home Page
GeometryID		Automatically populated. Primary key for linking geospatial objects with other database systems.
GlobalID		Automatically populated
SHAPE		Automatically populated

8.2 Event Line attributes

Fields	Alias *(If different than field)*	Purpose
OBJECTID		Automatically populated
IncidentName	Incident Name	The name assigned to an incident; assigned by responsible land management unit. (IRWIN required). Official recorded name.
FeatureCategory	Feature Category (Line Type)	Type of wildland fire line.
Collector	Collector Name	**Editor tracking doesn't work, have editors enter their name here.**
MapMethod	Map Method	How is the feature collected (e.g., GPS)
Comments	Comments	Additional information describing the feature.
RepairStatus	Repair Status	Use for tracking suppression repair needs
RepairComments	Repair Comments	Add comments about suppression repair needs
DeleteThis	Delete this feature?	Delete is disabled for the National Incident Feature Services. A field user word indicate a feature needs to be deleted via this field.
FeatureAccess		Use this field to identify certain groups that can view. (Domain: Public, Cooperators, Incident, Restricted, Unknown) Default=Cooperators
FeatureStatus		Use this field with the Approval Workflow. (Domain: Proposed, In Review, Approved, Archive) Default=Proposed
IsVisible		Optional field to use for filtering, defaults to Yes
Label		Optional: Text label displayed with the line.
ContactName		Name of the incident based contact responsible for data creation. Polpulated by FGX
ContactEmail		Email of the incident based contact responsible for data creation. Populated by FGX
ContactPhone		Phone number for the incident based contact responsible for data creation. Polpulated by FGX
CreateName		Name of the person creating the feature. For editor tracking
CreateDate		Date the feature was created. UTC format. For editor tracking
EditName		Name of the person editing the feature. For editor tracking
DateCurrent		Date the feature was edited. UTC format. For editor tracking
LineDateTime		The date and time that the fire line was collected (mapped). UTC format.
ComplexName		For Complex
ComplexID		For Complex
GACC		GACC that incident is in
IMTName		IMT managing incident
UnitID		Code used in interagency wildland fire to uniquely identify a particular organizational unit (office **administratively responsible** for either managing incidents/projects, providing resources, or providing logistical services) within the government or a non-government organization recognized by NWCG as a wildland fire cooperator
LocalIncidentID		
IRWINID		Primary key for linking to the Wildland Fire Locations Point dataset. The origin of this GUID is the wildland fire locations point data layer. (This unique identifier may NOT replace the GeometryID core attribute). Acquire from EGP or the service in the NIFC Org Home Page
GeometryID		Automatically populated. Primary key for linking geospatial objects with other database systems.
GlobalID		Automatically populated
SHAPE_Length		Automatically populated
SHAPE		Automatically populated

8.3 Event Polygon attributes

Field	**Alias** *(If different than field)*	**Purpose**
OBJECTID		Automatically populated
IncidentName	Incident Name	The name assigned to an incident; assigned by responsible land management unit. (IRWIN required). Official recorded name.
FeatureCategory	Feature Category (Polygon Type)	Type of wildland fire polygon.
Collector	Collector Name	**Editor tracking doesn't work, have editors enter their name here.**
MapMethod	Map Method	How is the feature collected (e.g., GPS)
Comments	Comments	Additional information describing the feature.
RepairStatus	Repair Status	Use for tracking suppression repair needs
RepairComments	Repair Comments	Add comments about suppression repair needs
DeleteThis	Delete this feature?	Delete is disabled for the National Incident Feature Services. A field user word indicate a feature needs to be deleted via this field.
Label		Optional: Text label displayed with a polygon.
FeatureAccess		Use this field to identify certain groups that can view. (Domain: Public, Cooperators, Incident, Restricted, Unknown) Default=Cooperators
FeatureStatus		Use this field with the Approval Workflow. (Domain: Proposed, In Review, Approved, Archive) Default=Proposed
IsVisible		Optional field to use for filtering, defaults to Yes
ContactName		Name of the incident based contact responsible for data creation. Polpulated by FGX
ContactEmail		Email of the incident based contact responsible for data creation. Populated by FGX
ContactPhone		Phone number for the incident based contact responsible for data creation. Polpulated by FGX
CreateName		Name of the person creating the feature. For editor tracking
CreateDate		Date the feature was created. UTC format. For editor tracking
EditName		Name of the person editing the feature. For editor tracking
DateCurrent		Date the feature was edited. UTC format. For editor tracking
PolygonDateTime		The date and time that the fire polygon was collected (mapped). UTC format.
ComplexName		For Complex
ComplexID		For Complex
GACC		GACC that incident is in
IMTName		IMT managing incident
UnitID		Code used in interagency wildland fire to uniquely identify a particular organizational unit (office **administratively responsible** for either managing incidents/projects, providing resources, or providing logistical services) within the government or a non-government organization recognized by NWCG as a wildland fire cooperator
LocalIncidentID		
IRWINID		Acquire from EGP or the service in the NIFC Org Home Page
GeometryID		Automatically populated
GlobalID		Automatically populated
SHAPE_Length		Automatically populated
SHAPE		Automatically populated