



# INFORM INSPECTOR USER'S GUIDE INSPECTOR VERSION 2.0

Current Through Version 2.0 02/06/24

Sprint 2.0.36

## Contents

InFORM Inspector User’s Guide.....	4
Logging In.....	5
Account Options .....	6
Report a new incident.....	7
Data Dictionary .....	7
Reports.....	7
Sign Out.....	7
Contacts .....	7
Feedback.....	7
Links .....	7
Viewing and Filtering Incidents.....	7
Location.....	9
Data Sources .....	10
Incident Status .....	10
GACC .....	10
State .....	10
Initial Fire Strategy .....	10
Incident Category.....	10
Fire Cause.....	10
Fire Acreage .....	10
Fire Discovery Date .....	10
Fire Out Date.....	10
Last Modified Date.....	10
Modified By System .....	10
Created By System .....	11
Damages.....	11
Final Report Narrative.....	11
Jurisdictional Units.....	11
Derived Dispatch Center .....	11
Protecting Unit.....	11
Landowner Category.....	11
Uniqueness Score.....	11

Creating Custom Filters.....	12
Deleting, Editing, and Duplicating Custom Filters.....	13
Incident List.....	14
Incident Options.....	15
Incident View .....	16
Viewing a Fire Report.....	17
Editing a Fire Report .....	17
Incident Information .....	18
Point of Origin Information.....	20
Multi-Agency Response .....	22
Perimeter Information .....	24
Size Information .....	25
Chronology Information.....	26
Site Descriptors Information.....	27
Outcomes Information.....	27
Fire Cause Information.....	28
Complexity & Management Information.....	29
Miscellaneous Information .....	29
Inspector Actions .....	30
Invalidate.....	30
View Uniqueness Scores .....	31
View Resource Summary .....	32
Show Related Records .....	33
Certifying Final Fire Report .....	33
Using the Map.....	33
Drawing an Area to Display Incidents .....	34
Editing Origin.....	34
Viewing and Editing Perimeters.....	34
Uploading a Perimeter .....	35
Zooming In and Out .....	35
Showing Terrain .....	36
Measuring Distances and Area .....	36
Displaying Layers.....	36

Searching for a Specific Location .....	36
Using the Legend.....	36
Seeing More Map Area .....	37
Importing and Exporting Incident Data .....	37
Upload .csv .....	37
Export .csv .....	38
Creating a new Incident .....	38
Reporting .....	40
Summaries .....	40
InFORM Data Dictionary .....	<b>Error! Bookmark not defined.</b>

## InFORM Inspector User's Guide

The Interagency Fire Occurrence Reporting Modules- Wildland Fire Reporting (InFORM-FR) is an interagency application. InFORM-FR replaces legacy wildland fire reporting systems, including the Wildland Fire Management Information (WFMI) system. Via automated data exchange services (i.e. IRWIN and the geospatial National Incident Feature Service), InFORM can read and share data with other fire applications such as WildCAD, FireCode, EGP, WFDSS, and FAMWeb-209. A Fire Occurrence Record (FODR) is created from an Incident record, and the FODR is what we edit, manage, filter, and report on in InFORM-FR, not the original incident record. We use information from the Incident record to create the FODR. When an IRWIN incident (including new incidents created in InFORM Mobile or in InFORM Inspector) is updated in a source system, InFORM-FR will read changes, but changes made to a FODR in InFORM-FR are not written back through IRWIN. The InFORM application suite is comprised of 3 integrated applications:

- InFORM Mobile/Survey123 can be used to initiate a fire report in areas where WildCAD is not used or is otherwise unavailable. When run from a GPS-enabled cell phone or tablet at the fire scene, InFORM's Survey123 app can automatically capture the fire's location as a point.
- InFORM Mobile/Collector can be used on a GPS-enabled cell phone or tablet to capture a perimeter for any incident reported through IRWIN.
- InFORM Inspector is the web-based application used to complete and certify fire reports. Under normal circumstances, most of the data in the fire report will have been entered in upstream applications, such as WildCAD and FAMWeb209, so Inspector is used to review that data, add/edit information to complete all required data fields, and certify the report as "final".

This user's guide is for the InFORM Inspector application.

InFORM Inspector is the web-based application that allows users to:

- Edit a FODR
- Certify a FODR
- Create a Final Fire Report
- Upload incident records and create FODRs from them
- Download FODR records
- Reporting
- Create a new incident for users who don't use a CAD or have another means of recording an incident, which initiates an incident into the interagency environment via IRWIN.
- Manage and Splice FODRs

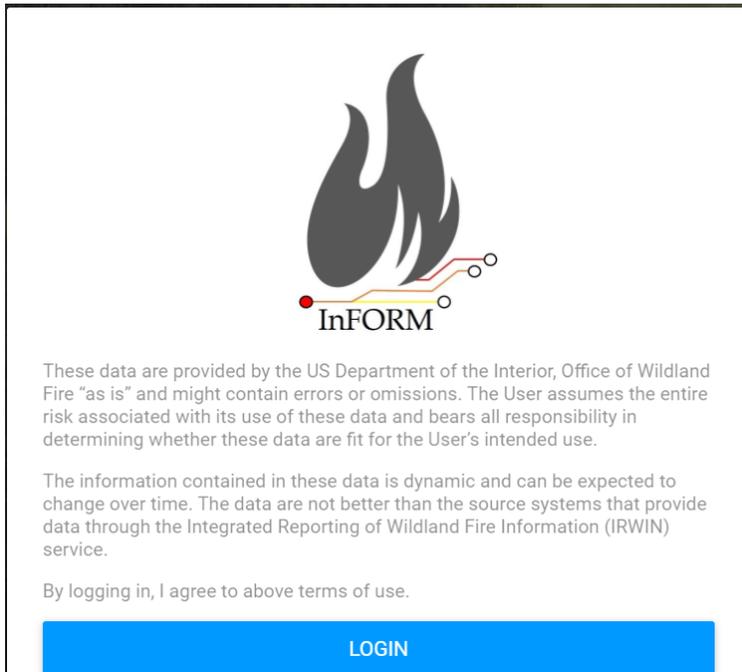
The role the user is assigned in Inspector affects the functions the user can perform in Inspector. Roles are as follows:

<b>InFORM Inspector Role</b>	<b>Role Description</b>
Certifier	Highest-level access. Using InFORM Inspector, can certify any fire report, thereby indicating: data collection phase is done, report is

	complete, data is accurate and can be used for official statistics. Also has Editor role capability.
Editor	Can review and edit any fire report using InFORM Inspector.
Viewer	In InFORM Inspector, can run summaries, generate/print individual fire reports, and export data. Cannot add/delete reports or modify data.

## Logging In

To login into Inspector, go to <https://inform.firenet.gov/inspector>



1. Choose Login.
2. Enter your NIFC ArcGIS Online login and password.

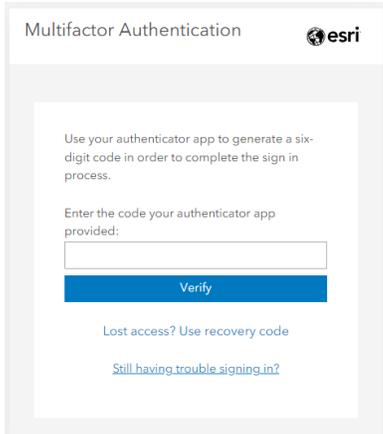
Multi-Factor Authentication (MFA) has been enabled for all logins.

Wildfire Response ([wildfireresponse@firenet.gov](mailto:wildfireresponse@firenet.gov)) manages the MFA for the NIFC org. If you need additional help getting MFA set up for your account, please see these resources:

Initial MFA Setup: [Manage profile and settings—ArcGIS Online Help | Documentation](#)

MFA Troubleshooting Guide: [MFA Troubleshooting guide](#)

Security Keys for MFA: [Security Keys for MFA - ArcGIS Online](#)



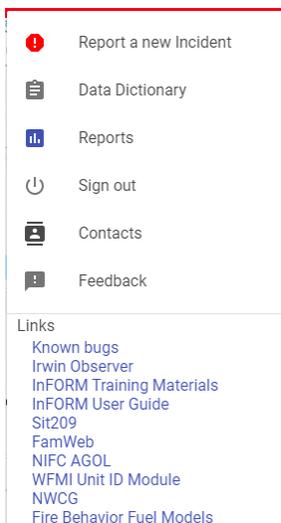
3. Open your desired authenticator application on your mobile device, and enter the code that appears.
4. Click Verify.

Note: Users can see which Inspector environment they are in by looking at the banner at the top of the screen. For example, a blue banner is the production environment and a red banner is the training environment:



## Account Options

When you click the down arrow next to your account name in the upper right-hand corner of the screen, several options appear.



### Report a new incident

Select this option to create a new incident. This method of creating a new incident is not meant to replace a CAD, but can be used to quickly create a new incident when standard dispatch procedures do not include an IRWIN-connected CAD.

### Data Dictionary

Select this option to view the InFORM Inspector Data Dictionary that lists the data elements found in Inspector.

### Reports

Select this option to view the static, pre-defined reports

### Sign Out

Select this option to sign out of Inspector.

### Contacts

Select this option to view agency contact information for Inspector.

### Feedback

Select this option to send a feedback email to the InFORM team.

### Links

These are quick links to commonly needed systems and materials, such as Known InFORM Bugs, IRWIN Observer, InFORM Training Materials, Sit209, NWCG web site, and Fuel Model information.

## Viewing and Filtering FODRs

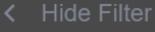
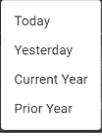
The FODRs that appear in Inspector are the created from incidents in IRWIN, and can also be uploaded incidents from states or historical incidents from legacy systems. Inspector offers several ways to view and filter the incidents displayed in a list, allowing users to see as few or as many incidents as desired. Once a list is filtered, users can report, summarize, or download the incidents in the filtered list.

When Inspector is opened, a list of basic filters is displayed on the far-left navigation.

Users can also create custom filters. See below for more information on Custom Filters.

Fire Cause	▼
Fire Acreage	▼
Fire Discovery Date	▼
Fire Out Date	▼
Last Modified Date	▼
Modified By System	▼
Created By System	▼
Damages	▼
Acres by Ownership	▼
Final Report Narrative	▼
Jurisdiction	▼
Derived Dispatch Center	▼
Protection	▼
Landowner Category	▼
Uniqueness Score	▼
Incident Time Zone	▼
Reset Filters	

- These filters can be used to restrict or expand the incidents in the list and indicated in the map.

- Click the down carat (v) to see the options for a specific filter
- Click the up carat (^) to collapse the options for that filter
- The system stores the last -used filter selections for subsequent sessions. They can be changed at any time.
-  A green indicator by the filter indicates that a selection has been made for that filter.
-  Clicking the trash can icon next to a filter allows the user to clear that filter selection.
-  To hide the left navigation Filter list, click Hide Filter. To unhide, click the right carat (>)
-  To clear all selected filters, click Reset Filters at the bottom of the filter list.
-  Based on filter selections, Inspector displays how many FODRs meet the criteria at the top of the filters.
- Date fields allow users to enter a minimum date, maximum date or select from common date options. 

**NOTE: Reset Filters will set the list to Wildfires only in the current year. This is useful if the incident(s) you are trying to find may not be visible when expected.**

## Location

The incident list displays all incidents that are located within the map extent on the right. To narrow the results by selecting a more specific area, follow these steps to use the Polygon Tool:

1. Expand the Location option.
2. Click the four-sided polygon graphic to the right of Select On Map.
3. Click on the map to draw the boundary of the selection.
4. Double-click on the last point to close the polygon.
5. The screen refreshes automatically, refreshing the incident list to only include incidents within the selected area.

Click the four-sided polygon graphic to the right of Select On Map again to exit the boundary drawing mode without completing the boundary. Alternatively, you can use the pan and zoom method described in the “Using the Map” section later in this document.

## Data Sources

Multi-select options. Options are: IRWIN, WFMI, Bulk Upload, and FireStat. Users can also select the option to only display multi-root incidents. Splicing FODRs and selecting root records are described later in this document.

## Incident Status

The dropdown for Incident Status defaults to showing all. To select other options:

1. Click the down arrow to the right.
2. Click to select one or more options of All, Certified, Complete, Incomplete, Is Quarantined, and Non-Quarantined
3. The map indicators and incidents list will automatically refresh and update.

## GACC

The option under GACC (Geographic Area Coordination Center) is a list of all GACCs. To select one or more, click to expand the list, and then click to select the desired GACC(s).

## State

The State filter has two selections: State and County. Users can select more than one state, but if more than one state is selected, the County pick list will not be available. Also, the County pick list will not populate until a state has been selected.

## Initial Fire Strategy

Multi-select options. Options are Full Suppression, Point Zone Protection, Confine, and Monitor.

## Incident Category

Multi-select options. Wildfire is the Default Selection. Options are Emergency Stabilization/BAER, Debris/Product Fire, Fire Rehabilitation, Incident/Event Support, Preparedness/Preposition, Prescribed Fire, Structure Fire, Vehicle Fire, Wildfire, Incident Complex, False Alarm, and Out of Area Response.

## Fire Cause

Multi-select options of Natural, Human, and Unknown.

## Fire Acreage

Options to enter a minimum value and/or a maximum value. Minimum is .1 and there is no Maximum

## Fire Discovery Date

Select a minimum and/or maximum date from the calendar date picker, or select from common date options. The default is set to the current date.

## Fire Out Date

Select a minimum and/or maximum date from the calendar date picker.

## Last Modified Date

Select a minimum and/or maximum date from the calendar date picker.

## Modified By System

Select one or more systems from the list.

### Created By System

Select one or more systems from the list.

### Damages

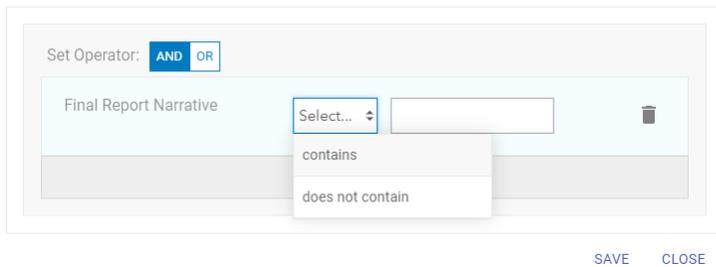
For each Damages option, users can make a single selection of All, Yes, or No. Options are Residences Destroyed, Injuries, Fatalities, Other Structures Destroyed, Structures Threatened, and Other Structures Threatened.

### Acres by Ownership

For each Acres by Ownership option, users can create a query by selecting a Landowner from the list, then selecting an operator (greater than or equal to, less than or equal to, or equals) and then entering an acreage amount.

### Final Report Narrative

This an open text search field. By entering a search term in this box, Inspector will return results with the entered term. This box allows for standard search options.



### Jurisdiction

These are open text fields to enter search for Agency or Unit

### Derived Dispatch Center

This is an open text field to search for a desired Dispatch Center ID.

### Protecting Unit

These are open text fields to enter search for Protecting Unit or Protecting Agency.

### Landowner Category

Multi-select options.

### Uniqueness Score

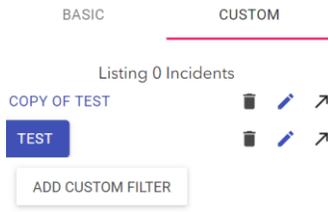
This field is an open text field for the Uniqueness Score Threshold.

### Incident Time Zone

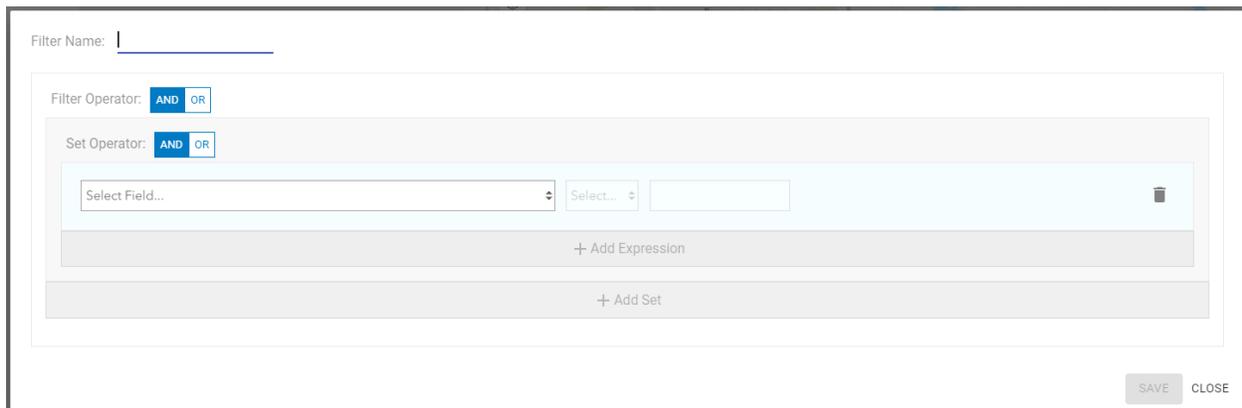
Users can select a time zone from the list.

## Creating Custom Filters

Inspector allows you to create one or more custom filters for ease of viewing incidents. To create a custom filter, click Custom above the Filter list, then click Add Custom Filter.

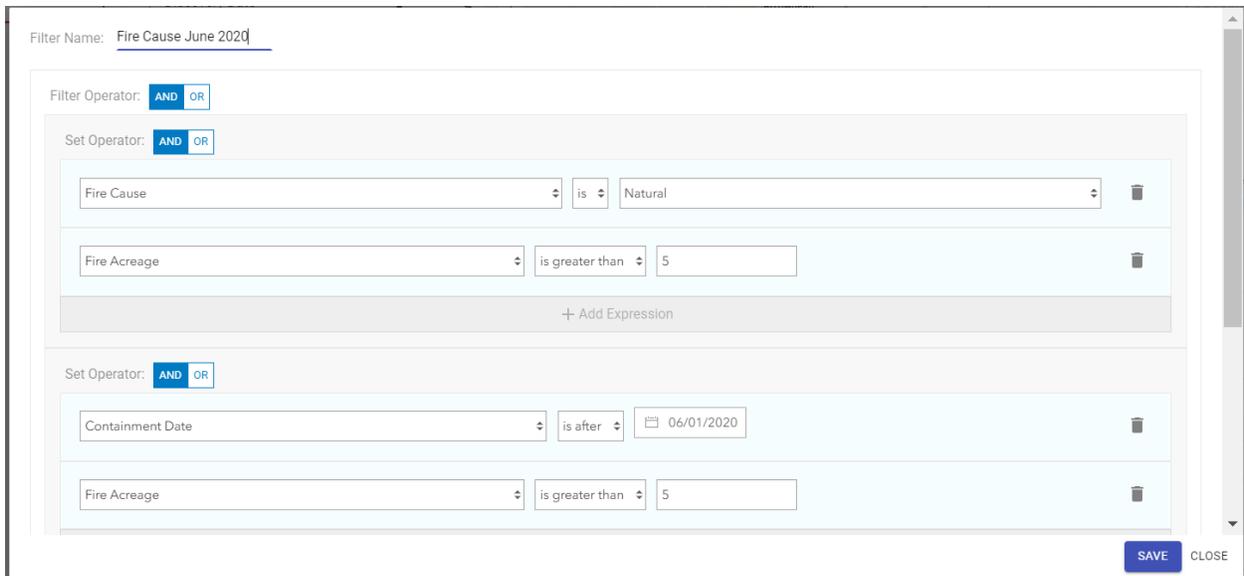


The following window appears:



You can name the filter in the Filter Name field.

An expression is a statement that results in the data being true or false. For example: Fire Cause is Natural. A set is a group of expressions which are strung together using either AND or OR. For example: Fire Cause is Natural AND Fire Acreage is greater than 5. A filter is one or more sets which are strung together using either AND or OR. The example below is a filter which contains 4 expressions and 2 sets.



The query syntax is listed at the bottom of the dialog box.

```
((FireCause = 'Natural') AND (DailyAcres > 5)) AND ((ContainmentDateTime > '2020-06-01') AND (DailyAcres > 5))
```

You can create and save multiple queries in Inspector.

Deleting, Editing, and Duplicating Custom Filters



You can delete, edit, or duplicate a Custom Filter.

To edit, click the pencil icon next to the Custom Filter name.

To delete, click the trash can icon next to the Custom Filter name.

To duplicate, click the arrow icon next to the Custom Filter name.

## Incident List

Sort by: Discovery Date			
<input type="checkbox"/>	Incident Name Granger Fire	Final Acres —	Discovery 08/01/2018
	ID 2018-WYRSD-2019-61	FireCode —	Fire Out —
<input type="checkbox"/>	Incident Name Granger fire	Final Acres —	Discovery 08/01/2018
	ID 2018-WYRSD-2019-285	FireCode —	Fire Out —
<input type="checkbox"/>	Incident Name Melody Fire	Final Acres —	Discovery 06/26/2018
	ID 2018-WYRSD-2019-168	FireCode —	Fire Out —
<input type="checkbox"/>	Incident Name 2 Rivers	Final Acres —	Discovery 06/06/2018
	ID 2018-WYBTF-2019-42	FireCode —	Fire Out —
<input type="checkbox"/>	Incident Name Dead Horse	Final Acres —	Discovery 04/28/2018

- In the center list, the list of incidents that appears is based on the map on the right and on the Filters selected in the left navigation.
- Summary incident information appears in the incident box, including Incident Name, Wildfire ID, Fire Size, FireCode, Discovery date, and Fire Out date.
- Users can sort the list of incidents by making a selection in the Sort By field. Options are Discovery Date, Fire Out Date, Incident Name, Last Updated, and Fire Size.
- Users can hide the incident list (to make the map view larger) by clicking the left carat (<) next to Sort By. To expand the list, click the right carat (>).



- If the Incident list is hidden, click the arrow to show all information for an incident.



- Users can toggle the list sort selected by ascending or descending by clicking the type selector.



- Users can share the incidents in the list by clicking the share selector. This copies all of the filters and map extent in a link that can be shared with others.



- Users can select incidents by clicking the box on the left.
- To see all information about an incident, click the right carat (>) on the right side of the incident box.
- Incident box color: blue indicates all required fields for the incident have been populated; green indicates the incident is certified; gray indicates that the incident is missing required data elements; orange means that the incident is quarantined and in conflict with another incident.

< Sort by: Discovery Date

<input type="checkbox"/>	Incident Name Granger Fire	Final Acres —	Discovery 08/01/2018	>
	ID 2018-WYRSD-2019-61	FireCode —	Fire Out —	
<input type="checkbox"/>	Incident Name Granger fire	Final Acres —	Discovery 08/01/2018	>
	ID 2018-WYRSD-2019-285	FireCode —	Fire Out —	
<input type="checkbox"/>	Incident Name Melody Fire	Final Acres —	Discovery 06/26/2018	>
	ID 2018-WYRSD-2019-168	FireCode —	Fire Out —	
<input type="checkbox"/>	Incident Name 2 Rivers	Final Acres —	Discovery 06/06/2018	>
	ID 2018-WYBTF-2019-42	FireCode —	Fire Out —	
<input type="checkbox"/>	Incident Name Dead Horse	Final Acres —	Discovery 04/28/2018	>

### Incident Options

When an incident window is open, a user can perform the following actions, depending on his/her role:

**INSPECTOR**

2018253013

REPORT EDIT CLOSE ACTIONS

## Incident View

- The incident view contains all information about an incident, divided up into relevant groupings.
  - Summary Information
    - The summary information grouping displays the date and time the incident was last modified, as well as the system that last modified it.
    - The summary information grouping also displays the incident name, incident ID, Discovery Date, and Fire Size.
    - If there are required fields for certifying a final fire report missing, users will see a message in red indicating the number of missing fields.
    - Users can also request a FireCode from this grouping if needed by clicking the green REQUEST FIRECODE button in the summary. This can only be requested once and then the button turns gray. It should take less than one minute to receive a FireCode once requested. Users might need to refresh the incident by closing and reopening to see the change.
  - Incident
  - Point of Origin
  - Multi-Agency Response
  - Perimeter
  - Size Information
  - Chronology
  - Site Descriptors
  - Outcomes
  - Fire Cause
  - Complexity and Management
  - Miscellaneous
- Users can expand or collapse the groupings by clicking the up or down carat.
-  The selected incident is indicated on the map as a yellow circle outlined in black
- To close out of the selected incident view, click the Close button at the top of the window
- Other choices users, depending on their role, can take on this window are:
  - Report (Certifier, Editor, Viewer)
  - Edit (Certifier, Editor)
  - Actions
    - Invalidate (Certifier, Editor)
    - View Uniqueness Scores (Certifier, Editor, Viewer)
    - View Resource Summary (Certifier, Editor, Viewer)
    - Show Related Records (Certifier, Editor, Viewer)
- Required Incident Information is denoted by a **red asterisk (\*)**. Note: Some required fields are based on the Jurisdiction Agency at POO, and can vary by agency. Please contact your agency for questions on required fields that differ from the below or from screen shots used in this User's Guide.
- See the InFORM Data Dictionary for data element definitions

Incidents created in InFORM Mobile or in any other system are available in Inspector for viewing, editing, reporting, and certifying.

### Viewing a Fire Report

When users click Report at the top of the incident window, the Final Fire Report appears. All Inspector users can view a Fire Report.

- The incident information displays in a report format, using the same groupings found elsewhere in Inspector, with the addition of:
  - A map of the incident (zoomed to the same level as the user was viewing on the screen)
  - A Narrative section for the final fire report narrative
  - A Certification section with some incident information listed
  - An Approval sections for wet signatures. This is not required and only available for some agencies that might require a wet signature
- The report can be printed or printed as a .pdf.
- Click Back in the upper left to return to the Incident window

### Editing a Fire Report

When users click Edit at the top of the incident window, editable data elements become active.

- Only users with Editor or Certifier roles can edit
- The incident summary section at the top indicates in **red** the total number of missing required data elements. Note: Users cannot directly edit any information in the summary section
- Groupings with missing required information will have an alert in red text indicating how many required fields are missing in that grouping
- To save changes, click Save Changes. To exit without saving changes, click Cancel

The information users can edit is outlined below.

## Incident Information

INCIDENT	
INCIDENT NAME *	Las Huertas
INCIDENT TYPE *	Fire
INCIDENT CATEGORY	Wildfire
UNIQUE FIRE IDENTIFIER *	2018-NMCIF-000472
LOCAL INCIDENT IDENTIFIER *	4727414
FIRECODE *	--
FORID *	{F7BD0C23-2DC6-4CC9-B322-53291597C036}
USFS JOB CODE PREFIX	L6
ABCD MISC	
IS FS ASSISTED	

**Incident Name:** The incident name comes from the system used to report the incident originally, but users can edit the incident name here.

**Incident Type:** The incident type defaults to Fire. Other options appear in the list, but for now Inspector is built to handle Incident Type of Fire.

**Incident Category:** The Incident Category defaults to Wildfire. Other options appear in the list and are dependent on the Incident Type selected. These domain values are managed in IRWIN.

**Unique Fire Identifier:** This field is NOT editable. It is auto-generated when the incident is created. It is comprised of the Discovery Date year, the Protecting Unit ID and the Local incident Identifier. If any of those elements change, the unique fire Identifier also changes. If it's a non-CAD created incident, then the Protecting Unit ID can be changed within InFORM. IRWIN enforces uniqueness. So users will receive an error (similar to the one below) if there are two incidents with the same unique fire ID.

---

### Error Saving Changes

There was a problem saving your changes...

UniqueFireIdentifier  
The following IrwinIDs are already assigned to this  
UniqueFireIdentifier \*\*2019-INIDP-019018\*\*: 97F71D00-9117-  
4277-BEEE-CF21222A2C25

CLOSE

---

**Local Incident Identifier:** This field defaults to the value in Incident Name but can be edited. Field size is a maximum of ten (10) characters. A number or code that uniquely identifies an incident for a local fire management organization within a particular calendar year.

**FireCode:** If the incident has a FireCode, it will display here. This field is NOT editable.

**FORID (Required):** This field is auto-generated and CANNOT be edited.

*TIP: If you know the IRWINID of an incident, you can use this URL to find other information about the incident, including the FORID. [https://inform.firenet.gov/InformAPI/api/IrwinID/<IRWIN\\_ID>](https://inform.firenet.gov/InformAPI/api/IrwinID/<IRWIN_ID>), where you can insert the IRWINID in the URL in place of <IRWIN\_ID>*

**USFS Job Code Prefix:** If needed, enter a two-character code to indicate the Forest Service job accounting code for the incident. This is specific to the Forest Service. Usually displayed as a 2-character prefix in FireCode.

**ABCD Misc:** If needed, enter a four-character fire code used by USDA FS to track and compile cost information for emergency initial attack fire suppression expenditures. For A, B, C & D size class fires on FS lands. If ABCD Misc is populated, then FireCode is NOT a required field.

**Is FS Assisted:** If needed, choose from options True or False to indicate if the Forest Service provided assistance on an incident outside their jurisdiction.

## Point of Origin Information

### POINT OF ORIGIN



LATITUDE	35.246944
LONGITUDE	-106.412781
LANDOWNER KIND	Federal
LANDOWNER CATEGORY *	US Forest Service
GEOGRAPHIC AREA COORDINATION CENTER CODE *	SWCC
STATE *	US-NM
COUNTY *	US-Sandoval
DISPATCH CENTER ID	NMABC
DERIVED DISPATCH CENTER ID	--
JURISDICTIONAL AGENCY	USFS
JURISDICTIONAL UNIT *	NMCIF
PROTECTING AGENCY	USFS
PROTECTING UNIT *	--
PROTECTING FIRE DEPT ID	--
POOFIREINTENSITYLEVEL	--
WIMS WEATHER STATION IDENTIFIER	291402
FIRE DETECTION METHOD	--
IS POO ON UNPROTECTED LAND	--
UNPROTECTED LAND RESPONSE REASON	--

**Latitude:** This information is derived and CANNOT be edited unless the Point of Origin is changed. Geographic representation of the Point of Origin (POO) is in the NAD83 datum. The latitude location is the point of origin specified in decimal degrees. The POO is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred.

**Longitude:** This information is derived from the point of origin and cannot be edited unless the POO is changed. The longitude location is the POO specified in decimal degrees. The POO is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred.

**Landowner Kind:** Choose an option from the list. Federal, Other, Private.

**Landowner Category:** This can be selected from the list or derived from the layer Surface Management Agency (SMA) Geographic Information System (GIS) dataset based on the Point of Origin. To Derive, click

the blue Derive test next to the data element. More specific classification of land ownership within land owner kinds identifying the owner at the POO at the time of the incident. Owner in the context of this data element refers to the person or entity that owns the land or has the authority to convey title to others and can be different than the Jurisdictional Unit.

**Geographic Area Coordination Center Code:** Derived by IRWIN. A code that identifies one of the wildland fire geographic area coordination centers. A geographic area coordination center is a facility that is used for the coordination of agency or jurisdictional resources in support of one or more incidents within a geographic coordination area.

**State:** Derived by IRWIN. The US State at POO.

**County:** Derived by IRWIN. The County Name identifying the county or equivalent entity at POO designated at the time of collection

**Dispatch Center ID:** This is populated with the derived value but can be edited here. Also see below for derived value. A unique identifier for the dispatch center that intersects with the incident POO. This field may differ from Derived Dispatch Center ID in cases where a Tier 4 boundary is not included in the geospatial layer or when the boundary in the geospatial layer is not accurate.

**Derived Dispatch Center ID:** Derived by IRWIN. A unique identifier for the dispatch center that intersects with the incident point of origin.

**Jurisdictional Agency:** Enter the abbreviation for the agency having land and resource management responsibility for an incident as provided by federal, state or local law.

**Jurisdictional Unit:** NWCG Unit Identifier to identify the unit with jurisdiction for the land where the point of origin of a fire falls.

**Protecting Agency:** Indicates the agency that has protection responsibility for the incident.

**Protecting Unit:** National Wildfire Coordinating Group (NWCG) Unit responsible for providing direct incident management and services to an incident pursuant to its jurisdictional responsibility or as specified by law, contract or agreement. Definition Extension: Protection can be re-assigned by agreement; the nature and extent of the incident determines protection (e.g. Wildfire vs. All Hazard.)

**Protecting Fire Department ID:** The U.S. Fire Administration (USFA) has created a national database of Fire Departments. Most Fire Departments do not have an NWCG Unit ID. Therefore, it is the intent of the IRWIN team to create a new field that includes this data element to assist the National Association of State Foresters (NASF) with data collection.

**POOFIREINTENSITYLEVEL:** Choose from the following options.

- 0 - 2.0 foot flame lengths
- 2.1 - 4.0 foot flame lengths
- 4.1 - 6.0 foot flame lengths
- 6.1 - 8.0 foot flame lengths
- 8.1 - 12.0 foot flame lengths
- 12.1 foot flame lengths or greater

**WIMS Weather Station Identifier:** Enter the Weather Station Identifier from the Weather Information Management System (WIMS). The Weather Information Management System (WIMS) is a comprehensive system that manages weather information.

**Fire Detection Method:** Choose from the following options.

- 911
- Agency Patrol
- Other Agency Employee
- Agency Aircraft
- Other Aircraft
- Other Agency
- Local Fire Department
- Fire Lookout (Tower)
- Local Law Enforcement Agency
- Fire Warden/Volunteer
- Other
- Public
- Responsible Party
- Remote Sensing

**Multi-Agency Response**

This box is used to denote when another agency responded to an incident.

MULTI AGENCY RESPONSE



RESPONDING AGENCIES

- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Department of Energy
- National Park Service
- US Forest Service
- US Fish and Wildlife Service
- Other Federal
- Foreign Government
- Tribal Government (non-trust lands) or Alaska Native Corporation
- City or Equivalent Government
- County or Equivalent Government
- State or Equivalent Government
- Individual or Private Corporation
- Alaska Native Claims Settlement Act

## Perimeter Information

PERIMETER ^

FEATURE CATEGORY Wildfire Daily Fire Perimeter

MAP METHOD GPS-Flight

FEATURE STATUS Approved

PERIMETER DATE/TIME 07/02/2021 at 5:00 AM

CREATE DATE --

FORID {A71EE07B-66A1-423D-A358-5DECC044229B}

PERIMETER SOURCE Final Fire Feature Service

Landowner Kind	Landowner Category	Calculated Acres	User Acres
Federal	US Forest Service	934.74	
<b>Total:</b>		<b>934.74</b>	

**Feature Category:** Feature Class Polygon type from the National Incident Feature Service (NIFS)

**Map Method:** Controlled vocabulary to define how the geospatial feature was derived. Map method may help define data quality.

**Feature Status:** Indicates the status of the perimeter. E.g. Approved

**Perimeter Date/Time:** This is the last edited date/time

**Create Date:** The date and time that the polygon was collected in the field. Date should follow the assigned NWCG Date Time data standard, using 24 hour clock, YYYY-MM-DDhh.mm.ssZ, ISO8601 Standard

**Perimeter Source:** This table in the perimeter section updates when an FODR is edited or a perimeter is changed.

**Landowner Kind:** One or more Landowner Kinds may be present within the perimeter. All Landowner Kinds are represented in the table.

**Add Row:** When editing a record, you can add rows to the Landowner table by clicking Add Row

**Recalculate:** To recalculate acres in the Landowner table, click Recalculate.

**Landowner Category:** One or more Landowner Categories may be present within the perimeter. All Landowner Categories are represented in the table.

**Calculated Acres:** The calculated acres from the Perimeter Acreage Service for each Landowner are represented in the table.

**User Acres:** Users can adjust the calculated acres using this field.

**Total:** Total calculated acres is displayed.

### Size Information

SIZE	
CALCULATED SIZE (AC)	828.8871
CURRENT SIZE (AC) *	936

**Calculated Size (AC):** The number of acres within the current perimeter of a specific, individual incident, including unburned and unburnable islands as shown in the National Incident Feature Service (NIFS). The minimum size must be 0.1.

**Current Size (AC):** User entered field, also called Daily Acres in IRWIN. A measure of acres reported for a fire. More specifically, the number of acres within the current perimeter of a specific, individual incident, including unburned and unburnable islands. The minimum size must be 0.1.

## Chronology Information

CHRONOLOGY		^
CREATED ON DATE TIME	07/01/2021 at 9:30 AM	
IGNITION	--	
DISCOVERY *	06/30/2021 at 6:21 PM	
INITIAL RESPONSE *	06/30/2021 at 6:21 PM	
ESTIMATED CONTAINMENT DATE	07/05/2021 at 11:00 AM	
CONTAINMENT	07/05/2021 at 5:50 PM	
GROWTH CESSATION	--	
CONTROL	07/17/2021 at 3:05 PM	
FIRE DECLARED OUT *	07/17/2021 at 3:05 PM	
FINAL STRATEGY ATTAINED	--	
MODIFIED ON DATE TIME	09/14/2021 at 11:33 AM	
CERTIFIED DATE TIME	09/14/2021 at 11:33 AM	
INFORM LAST MODIFIED DATE	03/17/2022 at 9:29 AM	

**Created on Date Time:** The date/time that the IRWIN Incident record was created.

**Ignition:** The actual date/time that the fire began ignition. This date may be different from the fire discovery date

**Discovery:** The date and time a fire was reported as discovered or confirmed to exist. May also be the start date for reporting purposes.

**Initial Response:** The date/time of the initial response to the incident. More specifically when the Incident Commander (IC) arrives and performs the initial size up.

**Estimated Containment Date:** The estimated date a wildfire will be contained

**Containment:** The date and time a wildfire was declared contained.

**Growth Cessation:** The date and time a wildfire perimeter stopped increasing in size.

**Control:** The date and time a wildfire was declared controlled.

**Fire Declared Out:** The date and time when a fire was declared out.

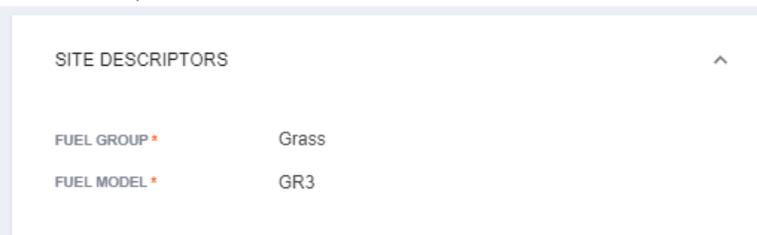
**Final Strategy Attained:** The date/time the final fire strategy was accomplished on the incident.

**Modified on Date Time:** The date/time when the incident was last modified by any IRWIN read/write system.

**Certified on Date Time:** The date/time when the incident was certified in InFORM.

**InFORM Last Modified Date Time:** The date/time when the incident was last modified within InFORM.

### Site Descriptors Information

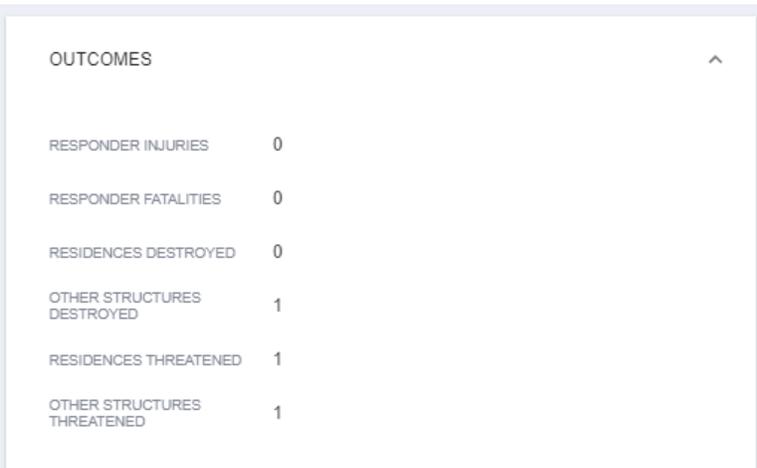


SITE DESCRIPTORS	
FUEL GROUP *	Grass
FUEL MODEL *	GR3

**Fuel Group:** The primary fuel model type that best represents fire behavior in the incident area, grouped into one of seven categories.

**Fuel Model:** This information can be derived from the POO using LANDFIRE data. Describes the type of fuels found within majority of the incident area and is editable.

### Outcomes Information



OUTCOMES	
RESPONDER INJURIES	0
RESPONDER FATALITIES	0
RESIDENCES DESTROYED	0
OTHER STRUCTURES DESTROYED	1
RESIDENCES THREATENED	1
OTHER STRUCTURES THREATENED	1

**Responder Injuries:** The total number of reportable occupational injuries and illnesses that occurred in conjunction with an incident.

**Responder Fatalities:** The total number of personnel deaths associated with an incident.

**Residences Destroyed:** The total number of residences destroyed, or damaged to an extent requiring rebuilding, as a result of a fire.

**Other Structures Destroyed:** The total number of structures, other than residences, destroyed as a result of a fire.

**Residences Threatened:** The total number of residences threatened by the fire.

**Other Structures Threatened:** The total number of structures, other than residences, threatened by a fire.

#### Fire Cause Information

The 2020 Fire Cause standards have been incorporated into the system.

The screenshot shows a form titled "FIRE CAUSE" with several fields and options. The fields are: "FIRE CAUSE \*" (dropdown menu with "Natural" selected), "FIRE CAUSE GENERAL \*" (dropdown menu with "Natural" selected), "FIRE CAUSE SPECIFIC" (dropdown menu with "Lightning" selected), "SPECIFIC CAUSE DETAIL" (text input field), "ACTIVITY / GROUP" (text input field), "AGE CATEGORY" (text input field), "CAUSE PROHIBITED?" (radio buttons for "Yes" and "No"), "CAUSE COMMENTS" (text input field), "CAUSE INVESTIGATED?" (radio buttons for "Yes" and "No"), and "IS TRESPASS?" (radio buttons for "Yes" and "No", with "No" selected). There is an upward-pointing arrow in the top right corner of the form area.

**Fire Cause:** Broad classification of the reason the fire occurred identified as human, natural or unknown. (Required)

**Fire Cause General:** Options available in the list are dependent on Fire Cause selection. Agency or circumstance which started a fire or set the stage for its occurrence; source of a fire's ignition. For statistical purposes, fire causes are further broken into specific causes. (Required)

**Fire Cause Specific:** Options available in list are dependent on Fire Cause General selection. A further categorization of each General Fire Cause to indicate more specifically the agency or circumstance which started a fire or set the stage for its occurrence; source of a fire's ignition. (Required for new data collection)

**Specific Cause Detail:** (Optional for new data collection)

**Activity / Group:** (Optional for new data collection)

**Age Category:** For some causes, the user will not see this field. (Required for new data collection if the field is applicable to the cause.)

**Cause Prohibited?:** Enter yes or no. Identification of an activity which was unlawful or otherwise prohibited (burn ban, unpermitted, etc.) by local authorities.

**Cause Comments:** For some causes, the user will not see this field.

**Cause Investigated:** Enter yes or no. To indicate if there was an investigation into the cause of the incident.

**Is Trespass?:** Enter yes or no. Indicates if the incident is a trespass claim or if a bill will be pursued, per agency guidelines or policy.

#### Complexity & Management Information

COMPLEXITY & MANAGEMENT	
INITIAL STRATEGY	—
INITIAL STRATEGY SUCCESSFUL?	—

**Initial Strategy:** This field is optional except for Forest Service incidents. Make selection from list: Full Suppression, Point Zone Protection, Confine, or Monitor. The fire strategy initially used on a wildland fire; the general plan or direction utilized until it succeeds or changes.

**Initial Strategy Successful:** Choose true or false. Indicates if the initial fire strategy for the incident was successful.

#### Miscellaneous Information

MISCELLANEOUS	
IN FUELS TREATMENT?	--
IN NFORS?	--
REPORT NARRATIVE	--
CREATED BY SYSTEM	wildcad
INFORM USER NAME	rflares_nifc

**In Fuels Treatment?:** If any part of the fire interacts with a completed fuels treatment, select True from the drop down list, if not, select False. Used for reporting in the Fuels Treatment Effectiveness Monitoring (FTEM) program.

**In NFORS?:** If it is determined that acres burned in a naturally-caused wildfire accomplish resource objectives in National Fire Operations Reporting System (NFORS), select True from the drop down list, if not, select False.

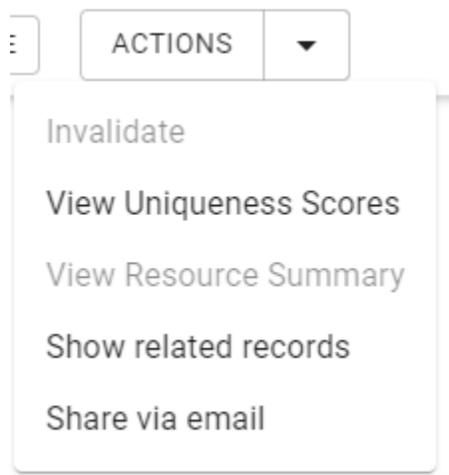
**Report Narrative:** Enter up to 4000 characters. A summary of the comments in narrative form as entered on the final fire report to describe important aspects of the incident.

**Created by System:** E.G Derived from IRWIN.

**InFORM User Name:** The NIFC ORG username of the last InFORM user to edit the record.

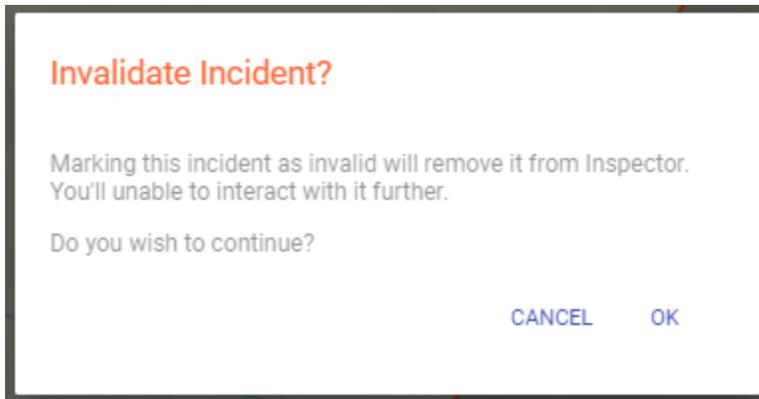
### Inspector Actions

At the top of the center incidents column is the Actions menu. Options include Invalidate, View Uniqueness Scores, View Resource Summary, and Show related records.

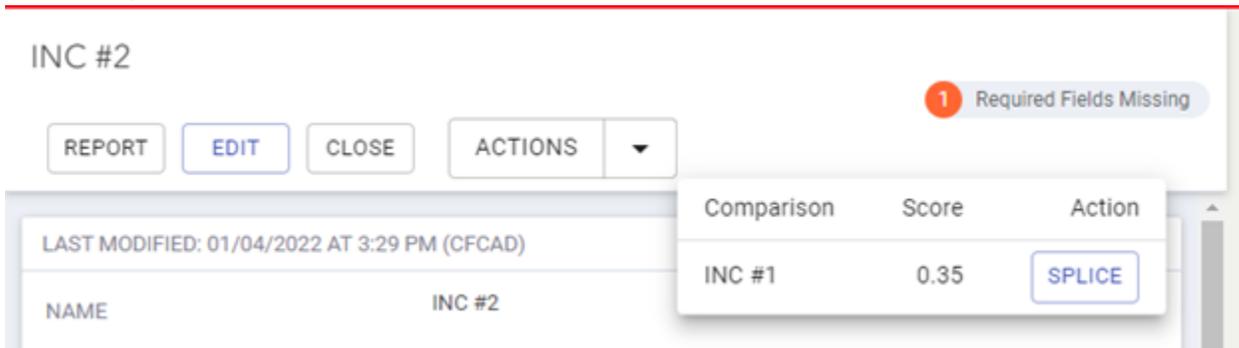


### Invalidate

In Inspector, you can choose to Invalidate a record for an incident. Invalidating an incident removes it from Inspector and this action cannot be undone. Click OK to Invalidate the incident and remove it, or click Cancel to return to the Incident Details window.



## View Uniqueness Scores



When FODR records are created in InFORM FR, the system calculates a uniqueness score for that record. The possible score is from 0-1, and FODRs with a score of 0.4 and below are flagged and displayed by InFORM Inspector as a potential duplicate FODR.

InFORM Inspector considers the following factors in calculating the uniqueness score:

1. Location
2. Discovery Date
3. Incident Size
4. Incident Name
5. Created by system
6. Cause

If InFORM Inspector detects a uniqueness score of 0.4 or below, the system will flag and display the potentially duplicate records. Users can then manage the relationship of those FODRs. Users can still Invalidate records as described above if they are truly not valid, or a user can relate the records together, or Splice them. Splicing records designates a Root FODR record by Splicing one or more FODRs together.

Choose a record to make the Primary record, then optionally select the data elements from either record that are correct, then click Splice Occurrence Records. The FODR whose Incident Name is selected is updated with the changes selected. The other FODR(s) can still be viewed as Related Records by clicking Show Related Records under Actions.

## Splice Fire Occurrence Records

Incident Name	Gowan RD @ Spikes RD	Gowen Road
FOR ID	{7156F4E0-A0A4-4377-A1B8-A49F39A467B7}	{BEEB8F84-34A8-43D9-8DB9-3BFE99A8D88E}
	<input type="button" value="MAKE PRIMARY"/>	<input type="button" value="MAKE PRIMARY"/>
CreatedOnDateTime	<input type="radio"/> 06/15/2022 at 8:07 AM	<input type="radio"/> 06/15/2022 at 8:08 AM
IncidentSize	<input type="radio"/> 300	<input type="radio"/> 75
FireCauseGeneralID	<input type="radio"/> 4	<input type="radio"/> 7
FireCauseSpecificID	<input type="radio"/>	<input type="radio"/> 46
FireDiscoveryDateTime	<input type="radio"/> 11/07/2021 at 5:50 AM	<input type="radio"/> 11/07/2021 at 6:16 AM
FORID	<input type="radio"/> {7156F4E0-A0A4-4377-A1B8-A49F39A467B7}	<input type="radio"/> {BEEB8F84-34A8-43D9-8DB9-3BFE99A8D88E}
IncidentName	<input type="radio"/> Gowan RD @ Spikes RD	<input type="radio"/> Gowen Road
InitialLatitude	<input type="radio"/> 33.622796	<input type="radio"/> 33.621352

### Unsplicing Records

A record that is spliced may need to be un-spliced into unique records. Unsplicing records reverts all related records to unique records and is like a “factory reset” to the current values in the related records tab. This will undo any edits made to the spliced record and that is desirable.

To unsplice records,

#### View Resource Summary

Choose the View Resources Action and if there are any resources assigned to an incident, a summary will appear. This information is derived from IROC.

## Show Related Records

Choose this option to display the root records that are related to each other.

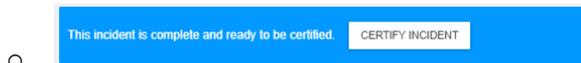
## Share via Email

Choose this option to send a summary of the incident by email.

## Certifying Final Fire Report

Once all the required information has been entered for an incident, users can certify the incident.

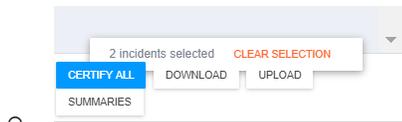
- Only users with the Certifier role can certify incidents
- Certifiers can decertify an incident if there is incorrect information, as described below.
- When ready to certify an incident, click Certify Incident.
- Once an incident is certified in Inspector, no one is able to edit this incident unless it is decertified in Inspector.



- Incidents that are ready to certify display with blue boxes



- If multiple incidents are selected to certify, an option appears to Certify All at the center-bottom of the window.



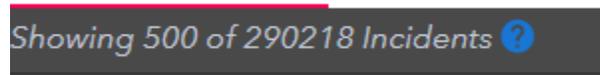
- When you click Certify, an alert appears saying that by clicking Certify, the equivalent of an electronic-signature is entered for the certifier, eliminating the requirement for some agencies for a wet signature on a final fire report.

## Using the Map

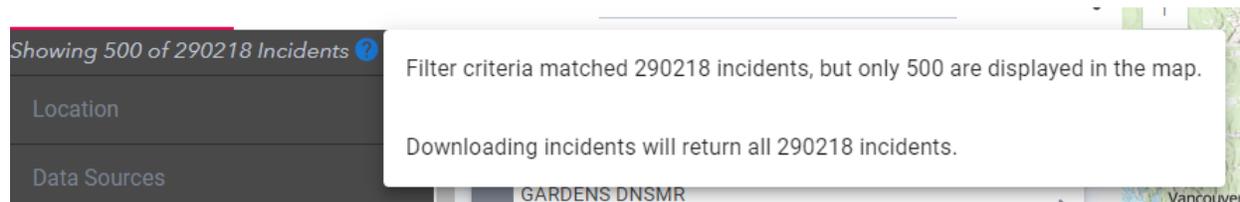
Users can interact with the map function in Inspector in several ways, as outlined below.

### Incidents Displayed

Depending on the number of incidents that are included in a particular query, Inspector may limit the number of incidents returned. This is done for map loading speed as well as visual noise. You may see a note similar to the below:



If you click the question mark next to the alert, you can see more information about the limited incidents displayed:



While the incidents on the map display are limited, all incidents will be included in a download file.

### Drawing an Area to Display Incidents

To narrow the results by selecting a more specific area, follow these steps to use the Polygon Tool:

1. Expand the Location option.
2. Click the four-sided polygon graphic to the right of Select On Map.
3. Click on the map to draw the boundary of the selection.
4. Double-click on the last point to close the polygon.
5. The screen refreshes automatically, refreshing the incident list to only include incidents within the selected area.

Click the four-sided polygon graphic to the right of Select On Map again to exit the boundary drawing mode without completing the boundary.

### Editing Origin

To edit the origin on an incident:

1. Open the Incident Details screen (either by clicking on the incident on the map, clicking the ... button, then selecting View Incident Details, OR by clicking the single right arrow to the right of an incident in the incident list)
2. Click the Edit button to the right of the incident name. Edit Origin and Edit Perimeter options display at the top of the incident map.
3. Click Edit Origin.
4. Make the necessary edits and then click the checkmark to save the change. Clicking the X will cancel the change.

### Viewing and Editing Perimeters

To edit the perimeters on an incident:

1. Open the Incident Details screen (either by clicking on the incident on the map, clicking the ... button, then selecting View Incident Details, OR by clicking the single right arrow to the right of an incident in the incident list)
2. Click the Edit button to the right of the incident name. Edit Origin and Edit Perimeter options display at the top of the incident map.
3. Click Edit Perimeter.
4. Click and drag any point on the perimeter line to edit the perimeter lines.
5. Make the necessary edits and then click the checkmark to save the change. Clicking the X will cancel the change. Clicking the trash can will clear the perimeter of the incident.

## Uploading a Perimeter

InFORM allows users to upload a perimeter for an incident. These shapes may include fire perimeters collected by GPS units or drawn in a GIS. You can upload shapes by using the upload button available on the map. All shapes loaded into InFORM Inspector require a projection file. If you upload a shape with a different projection, InFORM Inspector will automatically re-project it.

Before uploading a shape, verify the following:

- The files associated with the shape are current, correct, and belong with the incident
- The shapefile is in a zipped format
- If multiple shapes exist in the shape ZIP file, they must be dissolved into one
- Only a single feature may be included in the file
- Multi-part polygons are acceptable. (Note: Users will not be able to edit vertices in a multi-part polygon in InFORM Inspector)
- The shape ZIP file must contain one shapefile with the following file extensions:
  - .DBF
  - .PRJ (required)
  - .SBN (optional)
  - .SBX (optional)
  - .SHP
  - .SHP.XML
  - .SHX
- The files contained within the ZIP file are at the same directory level (Note: Users can't have a folder inside the ZIP file, or the shape will not upload correctly)
- Only the First Valid Record in the Shape file will be uploaded

To upload a perimeter, do the following:

1. Select the incident and click "Edit" Button.
2. Click "Create Perimeter."
3. Click the upload button.



4. Select your .zip archive and click "Open." (Note: If the Perimeter is invalid an error code will appear.)
5. The Perimeter will appear, and this will enable the "Confirm Perimeter Check."



6. Then click "Save Changes" to your incident. (Note: Currently, uploaded perimeters are generalized to reduce the number of spikes.)

## Zooming In and Out

Users can zoom in by clicking the button with the plus sign in the upper left corner of the map. Users can zoom out by clicking the button with the minus sign in the upper left corner of the map. Alternatively, users can use the scroll bar on their mouse to zoom in and out if it is equipped with one.

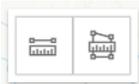
## Showing Terrain

Users can toggle between the different basemaps, the bottom layer of the map.

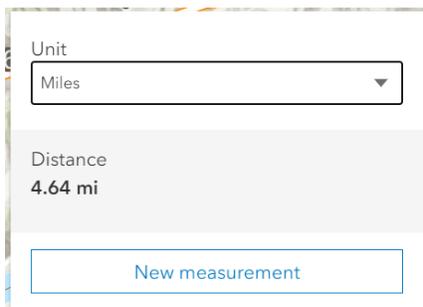
To switch between the basemaps, users can click on the boxes in the lower right-hand corner of the map. Users can use the satellite image view, topographic view, or the street map view. The street map view labels the street names and only shows a little bit of topographical detail. The satellite image view shows all of the topographical details.

## Measuring Distances and Area

Users can use the widgets on the screen to measure the distance between two points or measure the area.



A dialog appears where users can select options for widget, such as unit of measure.



## Displaying Layers

Users can add available layers to the map by clicking the  symbol and choosing the desired layer.

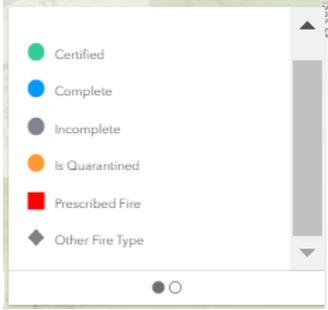
## Searching for a Specific Location

Users can use the search bar in the upper right-hand corner of the map to search for a specific location.

1. Click into the search box and begin typing an address.
2. Click an option that shows up in the list below the box.
3. The map will automatically center to the address.

## Using the Legend

Users can expand the legend by clicking the square white button with three horizontal lines on the lower left corner of the map.



Clicking the dot on the right displays a graphic about Daily Acres. This graphic illustrates that the size of the dot on the map correlates with the Daily Acres, with the smallest dot being a Class A incident, and the largest being a Class G incident.



Users can click the double arrow pointing to the left to collapse the legend window.



### Seeing More Map Area

Users can click the single arrow pointing left to the left of Sort by: at the top of the incident list. This enables the user to see a larger map area.

## Importing and Exporting Incident Data

### Upload .csv

Inspector allows users to upload incident data into the database. The primary use case for this function is for state users who use a fire reporting system that does not integrate with IRWIN, but need to have their incidents recorded in InFORM Inspector. To upload your incidents into InFORM Inspector,

1. After you have ensured your data is correct and created a comma separated file (.csv), click Upload in the bottom-center of the window.



- a.
2. Choose the .csv file that contains the incidents you want to upload and click OK.
  - a. Do not close your browser if you want a results file returned.
  - b. Upon successful upload, a results file will automatically download showing success (true) or failure (false) in Column A: Success
3. If there are record failures, they will appear in Column B: Error Message. Errors may include:

- a. No location data
  - b. Duplicate incident number
  - c. Empty values for required items. (Additional carriage returns will show as errors and may be ignored once verified as the cause.)
  - d. Etc.
4. For the records in error, copy them to a new spreadsheet.
  5. Correct the errors and save as a new .csv file.
  6. Upload the new .csv file by following step 2 above.
    - a. If the same file is reuploaded with corrections to errors, previously successful records will show as errors as duplicates. These errors can be ignored.

### Export .csv

Inspector allows users to download/export selected incident's data in a .csv format. The current limitation on the download function is 1000 records.

1. Use the map and filters to identify the incidents you want to download.
2. Click Download



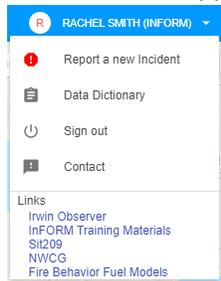
- a.
3. Inspector creates the .csv file named IncidentData.csv and saves to your drive.

### Creating a new Incident

Inspector allows users to create a new incident within the system. This function should not be used by users who have another means of creating an incident, such as a CAD system.

To create a new incident,

1. Click your name in the upper-right corner of the window, then select Report a New Incident.



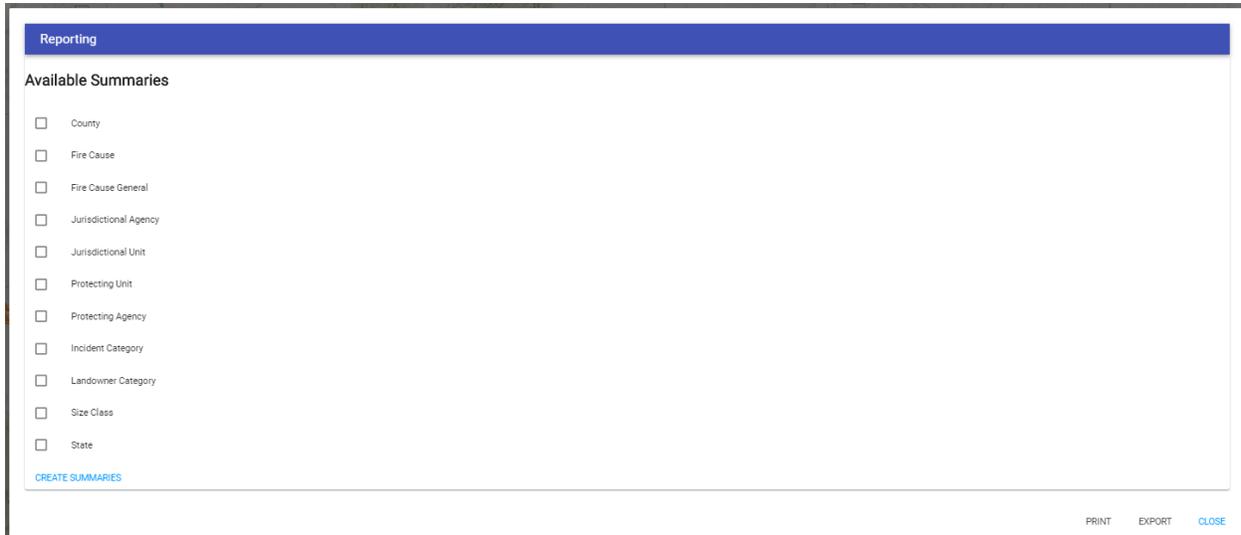
- a.
- b. A pop-up form appears where you can enter information about your incident.

2. Enter incident information in the form.
  - a. Latitude – You can enter a value, or click on the map to auto-populate the Latitude. You can choose Decimal Degrees (default), Degrees Decimal Minutes, or Degrees Minutes Seconds for the format.
  - b. Longitude - You can enter a value, or click on the map to auto-populate the Longitude. You can choose Decimal Degrees (default), Degrees Decimal Minutes, or Degrees Minutes Seconds for the format.
  - c. Incident Name – Enter the name assigned to an incident.
  - d. Local Incident Identifier – Enter a number or code that uniquely identifies an incident for a local fire management organization within a particular calendar year.
  - e. Request FireCode - Users can also request a FireCode from this grouping if needed by selecting Yes. Users might need to refresh the incident by closing and reopening to see the change.
  - f. Is FS Assisted - choose from options Yes or No to indicate if the Forest Service provided assistance on an incident outside their jurisdiction
  - g. Fire Discovery Date/Time - Enter a date and time from the calendar date picker and time picker.
  - h. Category – Defaults to Wildfire, but can be edited.
  - i. Fire Size – Enter a value for fire size acres.
  - j. Protecting Unit- National Wildfire Coordinating Group (NWCG) Unit responsible for providing direct incident management and services to an incident pursuant to its jurisdictional responsibility or as specified by law, contract or agreement. Definition Extension: Protection can be re-assigned by agreement; the nature and extent of the incident determines protection (e.g. Wildfire vs. All Hazard.)
3. Click Add Incident to initiate the incident in Inspector and IRWIN, or click Cancel to exit the window.

## Reporting

### Summaries

Inspector has some built in summary reports users can view, print, or export as a .csv



To create summary reports,

1. Use the map and filters to identify the incidents you want to create summaries for.
2. Click Summaries in the bottom-center of the window.

SUMMARIES

- a.
  3. Select one or more available reporting options by checking the desired boxes.
  4. Click Create Summaries.  
For each summary type you selected, a pie chart will appear for the incidents.
  5. Click Print to print the pie charts as a .pdf, click Export to export the data as an Excel spreadsheet file, or click Close to close the summaries window.

## InFORM Data Dictionary

The list below is a comprehensive list of data elements in InFORM Inspector. The first column is the element name as it appears in Inspector. The second column is the corresponding IRWIN data element name. The third column is a short description of the field. The fourth column is the data type as defined by IRWIN, and the last column lists under what groupings in Inspector you will find the data element. An asterisk (\*) next to a field name means it is required for Federal agency reporting. Two asterisks (\*\*) indicates that it is required for Forest Service incidents. A capital S in parentheses (S) next to a field name means it is required for State reporting.

<b>**ABCD Misc</b>	ABCDMisc	A FireCode used by USDA FS to track and compile cost information for emergency initial attack fire suppression expenditures. for A, B, C & D size class fires on FS lands. (this field is required if the incident is Forest Service <b>and</b> does not have a Firecode)	varchar(4)	Incident
<b>Activity / Group</b>	NA	For Fire Cause, further refines information for prevention programs for targeted messaging o Examples: Private/Residential; Farming/Ranching; Logging	domain	Fire Cause/Fire Summary
<b>Age Category</b>	NA	For Fire Cause, when Human, discriminates between children (0-12), adolescents (13-17), and adults (18+)	domain	Fire Cause/Fire Summary
<b>Calculated Size (ac)</b>	CalculatedAcres	A measure of acres calculated (i.e., infrared) from a geospatial perimeter of a fire. More specifically, the number of acres within the current perimeter of a specific, individual incident, including unburned and unburnable islands. The minimum size must be 0.1.	double	Size
<b>Cause Comments</b>	NA	Add comments related to Fire Cause	Text box	Fire Cause/Fire Summary

<b>Cause Investigated?</b>	IsFireCauseInvestigated	Indicates if an investigation is underway or was completed to determine the cause of a fire.	boolean	Fire Cause/Fire Summary
<b>Certified Date</b>	FinalFireReportApprovedDate	The date that the final fire report was approved for the incident.	datetime	Chronology
<b>Containment/Containment Date Time</b>	Containmentdatetime	The date and time a wildfire was declared contained.	datetime	Chronology/Certification
<b>Control</b>	ControlDateTime	The date and time a wildfire was declared under control.	datetime	Chronology
<b>*(S)County</b>	POOCounty	The County Name identifying the county or equivalent entity at point of origin designated at the time of collection.	varchar(100)	Point of Origin/Fire Summary
<b>Created by System</b>	CreatedBySystem	ArcGIS Server Username of system that created the IRWIN Incident record. Assigned by IRWIN	Varchar(255)	Miscellaneous
<b>Created On Date Time</b>	CreatedOndatetime	Date/time that the IRWIN Incident record was created.	datetime	Chronology
<b>*(S)Current Size (ac)</b>	DailyAcres	A measure of acres reported for a fire. More specifically, the number of acres within the current perimeter of a specific, individual incident, including unburned and unburnable islands. The minimum size must be 0.1.	double	Size
<b>Derived Dispatch Center ID</b>	POODispatchCenterID	A unique identifier for the dispatch center that intersects with the incident point of origin.	varchar(6)	Point of Origin
<b>*(S)Discovery</b>	FireDiscoverydatetime	The date and time a fire was reported as discovered or confirmed to exist. May also be the start date for reporting purposes.	datetime	Chronology/Fire Summary/Certification
<b>Dispatch Center ID</b>	DispatchCenterID	A unique identifier for a dispatch center currently responsible for supporting and managing the incident. NOTE: if the incident was created by a NON CAD application, then this DispatchCenterID is derived from a geospatial lookup based on POO Latitude and Longitude and may NOT reflect the center currently responsible if it has not been updated by a CAD.	varchar(6)	NA

<b>Estimated Containment Date</b>	EstimatedContainmentDate	The estimated date a wildfire will be contained.	datetime	Chronology
<b>Final Fire Report Approved By</b>	FinalFireReportApprovedBy	The name of the person that approved the final fire report for the incident.	varchar(100)	Approval
<b>Final Fire Report Approved By Title</b>	FinalFireReportApprovedByTitle	The title of the person that approved the final fire report for the incident.	varchar(100)	Approval
<b>Final Fire Report Approved By Unit</b>	FinalFireReportApprovedByUnit	NWCG Unit ID associated with the individual who approved the final report for the incident.	varchar(6)	Approval
<b>Final Strategy Attained</b>	FinalStrategyAttainedDateTime	The date/time the final fire strategy was accomplished on the incident.	datetime	Chronology
<b>*(S)Fire Cause</b>	FireCause	Broad classification of the reason the fire occurred identified as human, natural or unknown.	varchar(15)	Fire Cause/Fire Summary
<b>*(S)Fire Cause General</b>	FireCauseGeneral	Agency or circumstance which started a fire or set the stage for its occurrence; source of a fire's ignition. For statistical purposes, fire causes are further broken into specific causes.	varchar(100)	Fire Cause/Fire Summary
<b>Fire Cause Specific</b>	FireCauseSpecific	A further categorization of each General Fire Cause to indicate more specifically the agency or circumstance which started a fire or set the stage for its occurrence; source of a fire's ignition.	varchar(200)	Fire Cause/Fire Summary
<b>*Fire Declared Out</b>	FireOutdatetime	The date and time when a fire is declared out.	datetime	Chronology/Fire Summary
<b>Fire Detection Method</b>	NA	Domain list indicating how or who detected the fire	domain	Point of Origin
<b>*Firecode</b>	FireCode	A code used within the interagency wildland fire community to track and compile cost information for emergency fire suppression expenditures for the incident.	varchar(4)	Incident/Fire Summary (Fire Code)/Header
<b>FORID</b>	NA	Unique identifier assigned to each incident that is converted to a FODR in InFORM	NA	Incident

<b>*Fuel Group</b>	PredominantFuelGroup	The fuel majority fuel model type that best represents fire behavior in the incident area, grouped into one of seven categories.	varchar(100)	Site Descriptors
<b>*Fuel Model</b>	PredominantFuelModel	Describes the type of fuels found within the majority of the incident area.	varchar(100)	Site Descriptors
<b>*(S)Geographic Area Coordination Center Code</b>	GACC	A code that identifies one of the wildland fire geographic area coordination centers. A geographic area coordination center is a facility that is used for the coordination of agency or jurisdictional resources in support of one or more incidents within a geographic coordination area.	varchar(50)	Point of Origin
<b>Growth Cessation</b>	FireGrowthCessationdatetime	The date/time that the fire perimeter stopped growing in size.	datetime	Chronology
<b>Ignition</b>	FireIgnitiondatetime	The actual date/time that the fire began ignition. This date may be different from the fire discovery date.	datetime	Chronology
<b>In Fuels Treatment?</b>	InFuelTreatment	Indicates if any part of the fire interacts with a completed fuels treatment. Used for reporting in the Fuels Treatment Effectiveness Monitoring (FTEM) program.	boolean	Miscellaneous
<b>In NFPORS?</b>	InNFPORS	Indicates whether a determination has been made that acres burned in a naturally-caused wildfire accomplish resource objectives in National Fire Operations Reporting System (NFPORS)	boolean	Miscellaneous
<b>(S)Incident Category</b>	IncidentTypeCategory	The Event Category is a sub-group of the Event Kind code and description. The Event Category further breaks down the Event Kind into more specific event categories.	varchar(2)	Incident
<b>*(S)Incident Name</b>	IncidentName	The name assigned to an incident.	varchar(50)	Incident/Fire Summary/Header
<b>Incident Status</b>		Indicates the current status of the incident in InFORM. Possible statuses include certified, complete, incomplete, quarantined (in IRWIN), non-quarantined (In IRWIN)		

<b>*(S)Incident Type</b>	IncidentTypeKind	A general, high-level code and description of the types of incidents and planned events to which the interagency wildland fire community responds.	varchar(2)	Incident
<b>INFORM User Name</b>	INFORMUserName	Temporary meta data field to capture inform user information. Will be deprecated for V6.	varchar(50)	?
<b>InFORM Inspector Role</b>		InFORM Inspector has three roles: read only, editor and certifier.		
<b>*Initial Response</b>	InitialRespondedatetime	The date/time of the initial response to the incident. More specifically when the IC arrives and performs initial size up.	datetime	Chronology
<b>*Initial Strategy</b>	InitialFireStrategy	The fire strategy initially used on a wildland fire; the general plan or direction utilized until it succeeds or changes.	varchar(50)	Complexity & Management
<b>Initial Strategy Successful?</b>	isInitialFireStrategyMet	Indicates if the initial fire strategy for the incident was successful.	boolean	Complexity & Management
<b>*(S)Irwin ID</b>	IrwinID	Unique identifier assigned to each incident record in IRWIN.	guid	Incident
<b>Is FS Assisted</b>	IsFSAssisted	Indicates if the Forest Service provided assistance on an incident outside their jurisdiction.	boolean	Incident/Fire Summary
<b>Is Quarantined</b>	IsQuarantined	Indicates whether an incident of type WF is potentially conflicting with another incident of type WF.	Boolean	NA
<b>Is Valid</b>	IsValid	Indicates whether the incident is valid within IRWIN. Valid incidents are Wildfire Incident records from the Dispatch Center having primary responsibility for that fire. Invalid incidents are a result of duplicates or invalid entries.	boolean	Conflict resolution
<b>Jurisdictional Agency</b>	POOJurisdictionalAgency	The agency having land and resource management responsibility for a incident as provided by federal, state or local law.	varchar(50)	Point of Origin

<b>*Jurisdictional Unit</b>	POOJurisdictionalUnit	NWCG Unit Identifier to identify the unit with jurisdiction for the land where the point of origin of a fire falls.	varchar(6)	Point of Origin/Certification
<b>*(S)Landowner Category</b>	POOLandownerCategory	More specific classification of land ownership within land owner kinds identifying the owner at the point of origin at the time of the incident. Owner in the context of this data element refers to the agency or entity having the land management responsibility at the point of origin.	varchar(7)	Point of Origin/Fire Summary
<b>Landowner Kind</b>	POOLandownerKind	Broad classification of land ownership at the point of origin.	varchar(7)	Point of Origin
<b>Last Modified:</b>	ModifiedOndatetime	Date/time that the IRWIN Incident record was last modified.	double*	Header
<b>Latitude</b>	Shape	Geographic representation of POO in NAD83 datum. The latitude location is the point of origin specified in decimal degrees. Point of origin is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred. The longitude location is the point of origin specified in decimal degrees. Point of origin is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred.	geom	Point of Origin
<b>*(S)Local Incident Identifier</b>	LocalIncidentIdentifier	A number or code that uniquely identifies an incident for a particular local fire management organization within a particular calendar year.	varchar(10)	Incident

<b>Longitude</b>	Shape	<p>Geographic representation of POO in NAD83 datum. The latitude location is the point of origin specified in decimal degrees. Point of origin is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred.</p> <p>The longitude location is the point of origin specified in decimal degrees. Point of origin is the location where a competent ignition source came into contact with the material first ignited and sustained combustion occurred.</p>	geom	Point of Origin
<b>Modified By System</b>	ModifiedBySystem	ArcGIS Server username of system that last modified the IRWIN Incident record.	varchar(255)	Header
<b>Multi-Agency Response</b>		Allows for assigning separate agencies who respond to an incident		
<b>Other Structures Destroyed</b>	OtherStructuresDestroyed	The total number of structures, other than residences, destroyed as a result of a fire.	int	Outcomes/Fire Summary
<b>Other Structures Threatened</b>	OtherStructuresThreatened	The total number of structures, other than residences, threatened by a fire.	int	Outcomes/Fire Summary
<b>Protecting Agency</b>	POOProtectingAgency	Indicates the agency that has protection responsibility at the point of origin.	varchar(50)	Point of Origin
<b>Protecting Fire Dept ID</b>	FireDepartmentID	The U.S. Fire Administration (USFA) has created a national database of Fire Departments. Most Fire Departments do not have an NWCG Unit ID and so it is the intent of the IRWIN team to create a new field that includes this data element to assist the National Association of State Foresters (NASF) with data collection.		Point of Origin

<b>*(S)Protecting Unit</b>	POOProtectingUnit	NWCG Unit responsible for providing direct incident management and services to a an incident pursuant to its jurisdictional responsibility or as specified by law, contract or agreement. Definition Extension: - Protection can be re-assigned by agreement. - The nature and extent of the incident determines protection (for example Wildfire vs. All Hazard.)	varchar(6)	Point of Origin
<b>Report Narrative</b>	FinalFireReportNarrative	A summary of the comments in narrative form as entered on the final fire report to describe important aspects of the incident.	varchar(4000)	Miscellaneous
<b>Request Firecode</b>	IsFireCodeRequested	When a source application sends the SubmitIncident or Update Incident request to IRWIN, FirecodeRequested is a Boolean value indicating whether a Fire Code needs to be generated from Fire Code for the incident. The combination of FirecodeRequested and the value in the FireCode column determines the validity of the current FireCode in the IRWIN incidents table - valid or pending (waiting for firecode)	boolean	Header
<b>Residences Destroyed</b>	ResidencesDestroyed	The total number of residences destroyed, or damaged to an extent requiring rebuilding, as a result of a fire.	int	Outcomes/Fire Summary
<b>Residences Threatened</b>	ResidencesThreatened	The total number of residences threatened by the fire.	int	Outcomes/Fire Summary
<b>Responder Fatalities</b>	Fatalities	The total number of deaths of personnel assigned to an incident.	smallint	Outcomes/Fire Summary
<b>Responder Fatalities</b>	HasFatalities	Indicates whether there were fatalities related to the incident.	boolean	Filters/Outcomes/Fire Summary
<b>Responder Injuries</b>	Injuries	The total number of reportable occupational injuries and illnesses that occurred in conjunction with an incident.	smallint	Outcomes/Fire Summary

<b>Responder Injuries</b>	HasInjuries	Indicates whether there were injuries related to the incident.	boolean	Filters/Outcomes/ Fire Summary
<b>Specific Cause Detail</b>		For Fire Cause, more specific information about the cause or factors contributing to the ignition		
<b>*(S)State</b>	POOState	The State alpha code identifying the state or equivalent entity at point of origin.	varchar(6)	Point of Origin/Fire Summary
<b>Trespass?</b>	IsTrespass	Indicates if the incident is a trespass claim or if a bill will be pursued.	boolean	Miscellaneous
<b>*(S)Unique Fire Identifier</b>	UniqueFireIdentifier	Unique identifier assigned to each wildland fire. yyyy = calendar year, SSUUUU = POO protecting unit identifier (5 or 6 characters), xxxxxx = local incident identifier (6 to 10 characters)	varchar(22)	Incident/Fire Summary/Header
<b>Uniqueness Score</b>		<p>The uniqueness score compares the new FODR to existing FODRs to detect how closely related those records are. InFORM WR considers the following factors in calculating the uniqueness score:</p> <ul style="list-style-type: none"> <li>Location</li> <li>Discovery Date</li> <li>Incident Size</li> <li>Incident Name</li> <li>Created by system</li> <li>Cause</li> </ul> <p>The possible score is from 0-1, and FODRs with a score of 0.4 and below are flagged and displayed by InFORM WR as a potential duplicate FODR. Potential duplicates (FODRs with low uniqueness) are displayed on the map as purple circles.</p>		
<b>USFS Job Code Prefix</b>	FSJobCode	A code use to indicate the Forest Service job accounting code for the incident. This is specific to the Forest Service. Usually displayed as 2 char prefix on FireCode.	varchar(2)	Incident

<b>WIMS Weather Station Identifier</b>	NA	Enter the Weather Station Identifier from the Weather Information Management System (WIMS). The Weather Information Management System (WIMS) is a comprehensive system that manages weather information.	domain	Point of Origin
--	----	--	--------	-----------------

<b>INSPECTOR Name</b>	<b>NWCG Geospatial Data Layer Name</b>	<b>Definition</b>	<b>INSPECTOR UI Grouping</b>
<b>Collector Name</b>		This is the name of the system that was used to create the perimeter	Perimeter
<b>Comments</b>	Comments	Additional information describing the feature.	Perimeter
<b>Complex Name</b>	ComplexName	The name of the complex that the fire is assigned. If there is no complex it will be blank.	Perimeter
<b>FC Polygon Type</b>		Feature Class Polygon type from the National Incident Feature Service (NIFS)	Perimeter
<b>Map Method</b>	MapMethod	Controlled vocabulary to define how the geospatial feature was derived. Map method may help define data quality.	Perimeter
<b>Perimeter Date/Time</b>		This is the last edited date/time	Perimeter

INSPECTOR Name	NWCG Geospatial Data Layer Name	Definition	INSPECTOR UI Grouping
<b>Polygon Create Date</b>	PolygonDateTime	The date and time that the polygon was collected in the field. Date should follow the assigned NWCG Date Time data standard, using 24 hour clock, YYYY-MM-DDhh.mm.ssZ, ISO8601 Standard	Perimeter

INSPECTOR Name	NWCG Geospatial Data Layer Name	Definition	INSPECTOR UI Grouping
<b>Collector Name</b>		This is the name of the system that was used to create the perimeter	Perimeter
<b>Comments</b>	Comments	Additional information describing the feature.	Perimeter
<b>Complex Name</b>	ComplexName	The name of the complex that the fire is assigned. If there is no complex it will be blank.	Perimeter
<b>FC Polygon Type</b>		Feature Class Polygon type from the National Incident Feature Service (NIFS)	Perimeter
<b>Map Method</b>	MapMethod	Controlled vocabulary to define how the geospatial feature was derived. Map method may help define data quality.	Perimeter

INSPECTOR Name	NWCG Geospatial Data Layer Name	Definition	INSPECTOR UI Grouping
<b>Perimeter Date/Time</b>		This is the last edited date/time	Perimeter
<b>Polygon Create Date</b>	PolygonDateTime	The date and time that the polygon was collected in the field. Date should follow the assigned NWCG Date Time data standard, using 24 hour clock, YYYY-MM-DDhh.mm.ssZ, ISO8601 Standard	Perimeter

