Regional Public Safety Geodatabase

a Program of the Unified Disaster Council

Operational Intelligence GIS Web Services

Purpose

The Operational Intelligence GIS Web Services are GIS web services hosted on the RPSG server to support situational awareness. It offers EOC and field personnel an opportunity to communicate across a map-based platform. ESRI's ArcGIS Online (AGOL) platform serves as a mapping application platform to allow users to view and edit the Operational Intelligence GIS Web Services. These services are intended to provide complimentary service to data found in CalOES' SCOUT application.

Operational Use

When an incident is reported to San Diego County Office of Emergency Services an incident specific web map and app for viewers will be created with the incident's name mirroring that of the incident established in WebEOC.

Symbology was gathered from standardized sources where available.

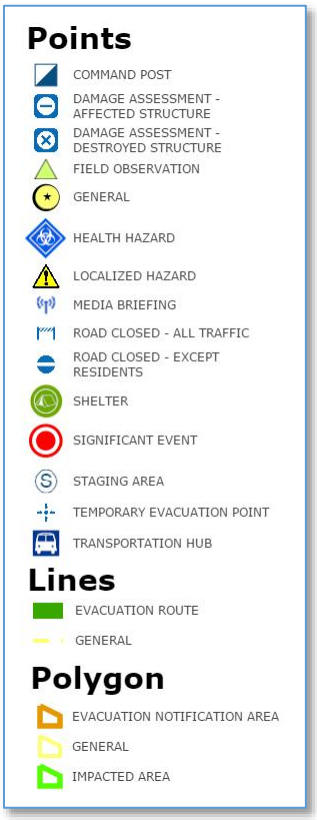

Figure 1: Operational Intelligence Web Services Legend

Data Collected

The points, lines and polygons in Figure 1 are available in the web services for users to add to the map. In each feature we make the following data fields available:

Field	Description
Display	Drive whether the feature is displayed or not (Domain Values: Active, Inactive)
Intel Source	Indicates where the intelligence was sourced from (free text field)
Confidence Level	Indicates the creator/editor's confidence that the intelligence is accurate (Domain Values: Low, Medium, High, Confirmed)
Release to Public	Allows the creator/editor to indicate that this feature is ready to be released to the public through the SD Emergency mobile app (Domain Values: Yes, No)
Notes	Provides a space to detail anything about the feature that is appropriate for sharing (free text field)
Created	Indicates the person, along with contact information, who created the feature

Create By	Indicates the date and time the feature was created
Edited	Indicates the person, along with contact information, who last edited the feature
Edited By	Indicates the date and time of the last edit
Attachments	Allow access to any file attachments available such as documents, graphics, photos, etc.

Connection to SD Emergency mobile app

Through procedures developed by the San Diego County Office of Emergency Services (OES) the features contained in the Operational Intelligence GIS Web Services can be released to the public through OES' SD Emergency mobile app as well as on the www.sdcountyemergency.com website once the intelligence has been vetted and verified.

Archive Capability

The ability to archive this operational intelligence and subsequent edits is built in to the Operational Intelligence GIS Web Services. This is intended to provide time-aware reconstruction of the operational intelligence to aid in after-action reporting activates. This archived data can be made available to any impacted agency after the incident is concluded.

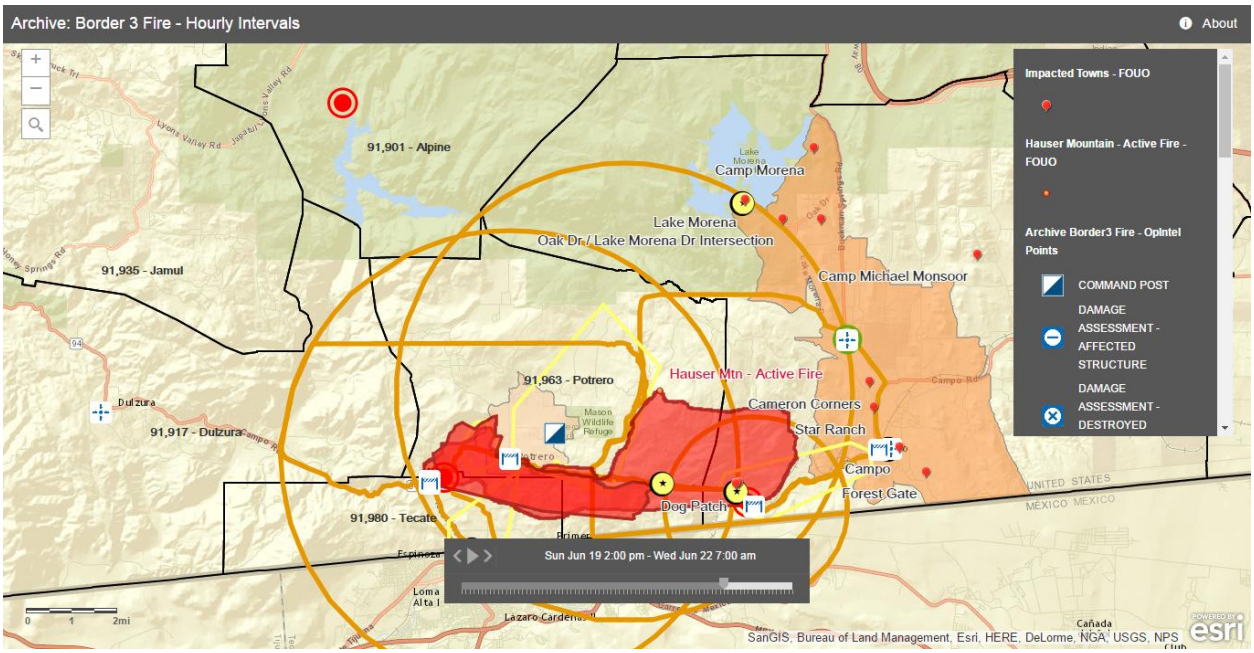

Figure 2: A time aware web mapping application created from Operational Intelligence GIS Web Services archive data from the Border 3 Fire