

# Emergency Operations (EO) Portal: User Quick-Guide

## Overview

The Emergency Operations (EO) Portal serves as a source for disaster-related information and provides immediate access to imagery, maps, and documentation. The web-based EO Portal includes the following component areas:

- **Hazards Data Distribution System (HDDS)** – Provides direct data download access for both public and restricted (password-protected) datasets.
- **Interactive GIS Map Viewer** – Allows direct viewing of any Web Mapping Services (WMS)-supported HDDS datasets.
- **GIS Resources** – Provides links and information for accessing available HDDS products directly within a GIS package via WMS. Includes description and instruction for use of the WMS services.
- **Digital Library** – Provides a variety of EO-related resources, documents, and websites.

The EO Portal website is located at <https://usgs.gov/land-resources/hdds>.

## HDDS Access Categories

The HDDS is a component of the EO Portal that supports direct HyperText Transfer Protocol (HTTP) download for the following categories of user access:

- **Public** – provides unrestricted access to event-related datasets available to general public.
- **Restricted** – provides password-protected access to event-related datasets for emergency response personnel. Contains licensed data not intended for public or commercial access.
- **U.S. Government** – provides password-protected access to event-related datasets for US government users only.

## HDDS Directories

HDDS supports direct HTTP download from the following directories:

- *HDDS directory: **/browse***
  - Very low-resolution representation (i.e. thumbnail) of the images
  - Includes .jpg file only
- *HDDS directory: **compressed\_low\_quality/***
  - Highly compressed version of the images for very fast download
  - 40% image quality (JPG-compressed; lossy)
  - Includes .jpg and .jpw (world) file for georeferencing
- *HDDS directory: **compressed\_med\_quality/***
  - Moderately compressed version of the images for expedited download
  - 90% image quality (JPG-compressed; lossy)

- Includes .jpg and .jpw (world) file for georeferencing
- *The following HDDS directories provide similar types of metadata information in several different formats. All available metadata representations include the following:*
  - Basic image information (entity ID, acquisition date) along with geographic coordinates
  - Data restriction and license information
  - Direct links to all available versions of the imagery (e.g. browse, low-quality, medium-quality, full resolution, etc.)
- *HDDS directory: **shapefiles/***
  - Vector (GIS-based) representation of most HDDS holdings
  - Aggregated by dataset and provided as ZIP file package (contains .dbf, .prj, .shp, and .shx)
- *HDDS directory: **csv/***
  - Dataset metadata in Comma Separated Values (CSV) format
  - Aggregated by dataset and provided in a simple, comma-delimited text format
- *HDDS directory: **docs/***
  - Image metadata in FGDC (Federal Geographic Data Committee) format
  - Each file based on a separate data tile
  - Packaged as HyperText Markup Language (HTML) file
- *HDDS directory: **kml/***
  - Dataset metadata in KML (Keyhole Markup Language) format (v2.1)
  - Aggregated by dataset and provided in a single KML-based file
  - Allows the metadata to be read directly and downloaded from a graphical map display package (i.e. Google Earth)
- *HDDS directory: **xml/***
  - Dataset metadata in XML (Extensible Markup Language) format (v 1.0)
  - Aggregated by dataset and provided in a single XML-based metadata file
- *HDDS directory: **data/***
  - Full-resolution image or geographic product
    - May be reprojected or reformatted from original source data
    - Generally delivered in compressed file form (ZIP)
    - Organized by agency, sensor, and acquisition event
  - Reprojected or reformatted datasets may include a “native” data package
    - Represents original source imagery or data product as originally provided from source agency
  - Copyright information and logos for all data sources
- *HDDS directory: **docs\_misc/***
  - Contains event-related documentation and materials, including: Data Sources, Flight Paths, Satellite Schedules, Data Coverage Maps, and Other Information