Comprehensive Data Management System (CDMS) 2.0

Release Notes

Software Requirements

The CDMS application requires that the following programs be loaded:
- Microsoft Visual FoxPro Driver 9.0*
- Microsoft .NET 2.0 Framework*
- MS SQL Server 2005 Express Edition*
- Microsoft Data Access Components 2.8 Service Pack 1*
- Microsoft J# Distributable File*
- ESRI ArcGIS 9.2 Service Pack 5 or higher (Engine, ArcView, ArcEditor, or ArcMap)
- ESRI ArcGIS, ArcView 9.2, Service Pack 5, .NET Runtime

Those programs highlighted by an asterisk (*) in the above list will be installed by CDMS. Please consult the CDMS instructions document for full details concerning CDMS installation.

Site-Specific Features and Census Tracts

For site-specific features, the CDMS requires that users provide a latitude/longitude coordinate in one of the following systems: Geographic Projection, Decimal Degree Coordinate System, or North American Datum 1983 (NAD83). A Census Tract ID is not required but recommended. Site-specific features can consist of the following: user-defined, high potential loss, essential, transportation and utility facilities.

If a Census Tract ID is not provided, the CDMS will utilize the latitude/longitude coordinate to identify the census tract in which a feature falls and will associate the feature with that Census Tract ID. If a site-specific feature, such as a highway bridge, does not have a Census Tract ID and does not fall within a census tract boundary, the CDMS will not accept that feature and will warn the user that the feature requires a Census Tract ID before it can be accepted.

Null Values

When importing data into HAZUS via the CDMS, required fields for features in HAZUS should be populated before the data are uploaded and mapped in CDMS. Fields not populated prior to loading into HAZUS via the CDMS will result in null values being transferred to HAZUS, and HAZUS will not be able to count these features in its analysis. Consult the HAZUS Data Dictionary for required fields and expected values/formats in the data preparation phase.

CDMS Help and Technical Support

CDMS help is accessible from the pull-down Help Menu. If additional help is required, Technical Support can be contacted by e-mail at HAZUSQuakeHelp@pbsj.com. Please be sure to provide as much relevant information about your issue as possible including your operating environment, data formats, error messages, screenshots of errors, and data samples. Technical Support will respond to your e-mail within 24 hours and will provide you with a case number.

SQL Server 2005 Express Limitations

The CDMS operates on a free version of Microsoft$^{\textregistered}$ SQL Server 2005 Express relational database software that enables HAZUS users to run the CDMS without requiring a software purchase. However, SQL Server 2005 Express has the following limitations:

- Supports only 1 CPU but can be installed on any server,
- 1 GB addressable RAM, and
- 4 GB maximum database size.