

precisely

Property Fire Protection

Product Guide

Version: 2020.06.0



Property Fire Protection Product Guide

Information in this document is subject to change without notice and does not represent a commitment on the part of the vendor or its representatives. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, without the written permission of Precisely, 2 Blue Hill Plaza, #1563, Pearl River, NY 10965.

© 2007, 2020 Precisely. All rights reserved.

See www.precisely.com for information about our valuable trademarks.

This document was published in July, 2020 and is intended to reflect the product (table structures, coverage, etc.) as of that date. The actual data content (as opposed to product content) is updated on a regular basis and does not require documentation updates.

Additional data source:

US Fire Administration (<https://www.usfa.fema.gov/>)

Version: 2020

Last Update: 03 July 2020

Table of Contents

1 – Getting Started

Overview	3
Data Sources	3
Spatial Module Specifications	3
Update Frequency.....	3
File Format	3
Installation.....	4
Product Documentation.....	4
Projection	4
Coverage	4
GeoEnrichment Module Specifications	4
Update Frequency.....	4
File Formats	4
Installation.....	4
Address Fabric Version Compatibility.....	5
Coverage	5

2 – Fire Stations (Spatial Module)

Overview	7
Terminology	7
Fire Stations Table Structure	7
Table Structure – SHP Format	7
Table Structure – TAB & Text Format	8

3 – Property Fire Protection (GeoEnrichment Module)

Overview	11
Property Fire Protection Table Structure	11

Product Feedback and Support	13
------------------------------------	----

1 – Getting Started

In this section

[Overview](#)

[Data Sources](#)

[Spatial Module Specifications](#)

[GeoEnrichment Module Specifications](#)



Overview

Property Fire Protection is part of the Risk Data Suite, which provides comprehensive, location-based coverage of weather, geologic event, and other natural risks impacting asset owners. Each product features a spatial file(s) for visualization and a GeoEnrichment file which delivers information on a PreciselyID (formerly the pbKey) for operational efficiency at the address level. Products in the Risk Data Suite include:

- Earth Risk
- Coastal Risk
- Wildfire Risk
- Property Fire Protection
- Flood Risk
- Historical Weather Risk

The multiple components of the Risk Data Suite combine to give a detailed history of the natural disasters for a region. Applying this data allows for better visualization and identification of potential asset exposure. This enables better-informed decisions, reduced exposure to risk, controlled costs, and enhanced profitability.

Property Fire Protection provides the following components in the spatial module:

- Fire Stations

Property Fire Protection provides the following components in the GeoEnrichment module:

- GE Risk - Property Fire Protection

Data Sources

- Precisely
- US Fire Administration (USFA)

Spatial Module Specifications

Update Frequency

The Fire Stations module is updated quarterly.

File Format

The Fire Stations module is available in the following formats:

- Esri SHP
- MapInfo TAB
- Pipe-delimited text

Installation

To install Property Fire Protection, reference all the files in the parent zipped folder named **FireStations_YYYY.MM**.

Product Documentation

Product documentation for the spatial module is located in the folder named **Documentation**.

Projection

Latitude/Longitude WGS84

Coverage

United States (including Alaska, DC, and Hawaii)

GeoEnrichment Module Specifications

Update Frequency

The GeoEnrichment module is updated quarterly.

File Formats

The GeoEnrichment module is available in the following file formats:

- Pipe-delimited text
- H2DB database

Installation

To install Property Fire Protection:

1. Download the compressed data file to your computer.
2. Open the compressed file and find the base data folder containing the documentation file link.
3. Extract the base folder and locate the final .TXT or database file:

Example: If you downloaded a compressed file named **Distance_To_Coast_C_TXT201712.7z**, extract this file and locate a compressed file with the name **distance_to_coast_txt.7z** with a documentation link file. Finally, extract **distance_to_coast_txt.7z** to find **distance_to_coast_final_output.txt** as the data file.

4. Once extracted, data can be loaded into a database, GIS software, or the Spectrum Technology Platform.

For more information on using these tools, please visit support.precisely.com.

Address Fabric Version Compatibility

All risk databases require the Address Fabric, March 2020 vintage except Crime Index, which is compatible with the Address Fabric, July 2018 vintage.

Coverage

United States (including Alaska, DC, and Hawaii)

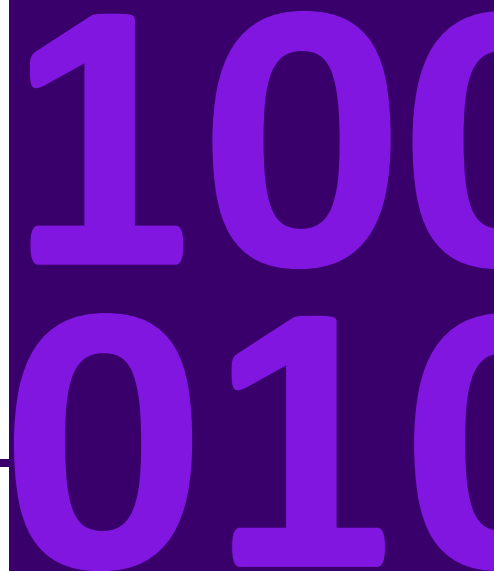
2 – Fire Stations (Spatial Module)

In this section

[Overview](#)

[Terminology](#)

[Fire Stations Table Structure](#)



Overview

The Fire Stations spatial module contains a single table – the Fire Station table – which holds point data for fire stations in the US, including location information and telephone numbers. It also contains information about each local fire department, including telephone and fax numbers, the name of the county served by that department, the type of department (volunteer/career), and the number of fire stations associated with it.

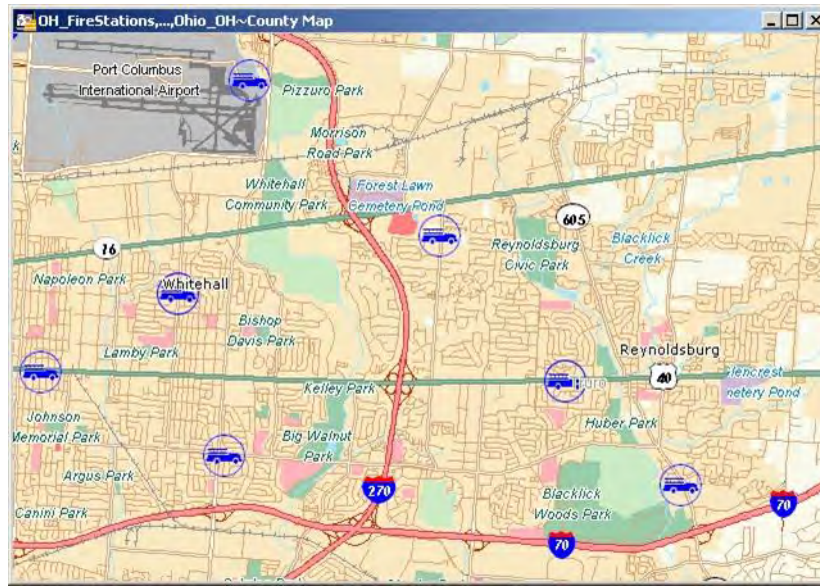


Figure 1 - Fire station data overlaid onto a MapInfo StreetPro workspace map of Columbus, OH

Terminology

Fire department

A collection of fire stations serving a specific geographical region.

Fire station

A specific location with personnel and equipment required to fight fires within the fire department's geographical service area.

Fire Stations Table Structure

Table Structure – SHP Format

Field Name	Data Type (Length)	Description
Dept_ID	LONGINT	Fire department ID
Name	CHAR (120)	Fire department name
DeptAdd1	CHAR (65)	Department's physical address

Field Name	Data Type (Length)	Description
DeptAdd2	CHAR (65)	Department's physical address
DeptCity	CHAR(30)	Department's physical city address
DeptState	CHAR (2)	Department's physical state address
DeptZip	CHAR (5)	Department's physical ZIP Code
DeptZip4	CHAR (4)	Department's physical ZIP+4
DeptPhone	CHAR (15)	Department's phone number
DeptFax	CHAR (15)	Department's fax number
DeptCounty	CHAR (30)	County served by the department
DeptType	CHAR (20)	Type of department: volunteer, career, etc.

Table Structure – TAB & Text Format

Field Name	Data Type (Length)	Description
Department_ID	INTEGER	Fire department ID
Name	CHAR (120)	Fire department name
DeptAddress1	CHAR (65)	Department's physical address
DeptAddress2	CHAR (65)	Department's physical address
DeptCity	CHAR (30)	Department's physical address city
DeptState	CHAR (2)	Department's physical address state
DeptZip	CHAR (5)	Department's physical address ZIP Code.
DeptZip4	CHAR (4)	Department's physical address ZIP+4
DeptPhone	CHAR (15)	Department's phone number
DeptFax	CHAR (15)	Department's fax number
DeptCounty	CHAR (30)	County served by fire department
DepartmentType	CHAR (20)	Department type (volunteer, career, etc.)
NumberOfStations	INTEGER	Number of stations operated by this department
DptLocOnly	LOGICAL	When True, the department location is an administrative office only
Station_ID	INTEGER	Unique identifier for fire station
StationNumber	CHAR (20)	Station number within this department
StationAddress1	CHAR (65)	Station address
StationAddress2	CHAR (65)	Station address
StationCity	CHAR (30)	Station address city.
StationState	CHAR (2)	Station address state
StationZip	CHAR (5)	Station address ZIP Code
StationZip4	CHAR (4)	Station address ZIP+4

Field Name	Data Type (Length)	Description
StationPhone	CHAR (15)	Station phone number
StationCounty	CHAR (30)	County in which station is located
LocationReference	CHAR (20)	Station reference location (based on street geocoding or ZIP Code 4 geocoding), or fire department location if DptLocOnly is True
Dataset	CHAR (100)	Product layer
Vintage	CHAR (15)	Current release date.
Source	CHAR (100)	Source of data.

3 – Property Fire Protection (GeoEnrichment Module)

In this section

Overview

Property Fire Protection Table Structure



Overview

GeoEnrichment Risk Data provides all information found in its spatial counterpart along with relevant proximity measurements for additional insight at the address level. All data is pre-processed so that it is immediately accessible with a PreciselyID (formerly pbKey) from a geocoded address or US Address Fabric record.

Property Fire Protection Table Structure

Note: If the first, second, or third closest fire station is more than 25 miles away, fire station information will be set to blank.

Field Name	Data Type (Length)	Description
PBKEY	VARCHAR (50)	Unique ID for an addressable location
Place_Code	CHAR (12)	Incorporated place ID. Value will be NULL if address is located in an unincorporated place.
Place_Name	CHAR (40)	Incorporated place name. Value will be NULL if address is located in an unincorporated place.
Fs1_Department_Id	INTEGER	Fire department ID of closest fire station.
Fs1_Department_Type	CHAR (20)	Department type of closest fire station.
Fs1_Station_Id	INTEGER	Station ID of closest fire station.
Fs1_Drivetime_Ampeak	DOUBLE PRECISION	Driving time in minutes to the closest fire station during peak AM time.
Fs1_Drivetime_Pmpeak	DOUBLE PRECISION	Driving time in minutes to the closest fire station during peak PM time.
Fs1_Drivetime_Offpeak	DOUBLE PRECISION	Driving time in minutes to the closest fire station during off-peak time.
Fs1_Drivetime_Night	DOUBLE PRECISIONS	Driving time in minutes to the closest fire station at night.
Fs1_Drivedistance	DOUBLE PRECISION	Distance in miles from the closest fire station.
Fs2_Department_Id	INTEGER	Fire department ID of second-closest fire station.
Fs2_Department_Type	CHAR (20)	Department type of second-closest fire station.
Fs2_Station_Id	INTEGER	Station ID of second-closest fire station.
Fs2_Drivetime_Ampeak	DOUBLE PRECISION	Driving time in minutes to second-closest fire station during peak AM time.
Fs2_Drivetime_Pmpeak	DOUBLE PRECISION	Driving time in minutes to second-closest fire station during peak PM time.
Fs2_Drivetime_Offpeak	DOUBLE PRECISION	Driving time in minutes to second-closest fire station during off-peak time.

Field Name	Data Type (Length)	Description
Fs2_Drivetime_Night	DOUBLE PRECISION	Driving time in minutes to second-closest fire station at night.
Fs2_Drivedistance	DOUBLE PRECISION	Distance in miles from second-closest fire station.
Fs3_Department_Id	INTEGER	Department ID of third-closest fire station.
Fs3_Department_Type	CHAR (20)	Department type of third-closest fire station.
Fs3_Station_Id	INTEGER	Station ID of third-closest fire station.
Fs3_Drivetime_Ampeak	DOUBLE PRECISION	Driving time in minutes from third-closest fire station during peak AM time.
Fs3_Drivetime_Pmpeak	DOUBLE PRECISION	Driving time in minutes from third-closest fire station during peak PM time.
Fs3_Drivetime_Offpeak	DOUBLE PRECISION	Driving time in minutes from third-closest fire station during off-peak time.
Fs3_Drivetime_Night	DOUBLE PRECISION	Driving time in minutes from third-closest fire station at night.
Fs3_Drivedistance	DOUBLE PRECISION	Distance in miles to third-closest fire station.
Nearest_Water_Body	DOUBLE PRECISION	Distance in feet between location and nearest body of water. If the nearest water body is greater than 5 km away, then the record will show -99999

Product Feedback and Support

Contact our [Support](#) team for product support and additional product information. You can also submit your innovative ideas or comment on existing submissions in a way that is visible to all participants. Our Support site also includes information about our complete portfolio of Data products.



2 Blue Hill Plaza #1563
Pearl River, NY 10965
USA

www.precisely.com

Copyright © 2007, 2020 Precisely. All rights reserved.