

Oakland County CLEMIS Public Service Fire Boundary Coverage

Coverage Name:	fire_bndy
Coverage Features:	arc, polygon
Coverage Attribute Tables:	.aat, .pat(s)
Fuzzy Tolerance:	0.1'
Dangle Tolerance:	0'
Coordinate System:	State Plane Michigan South Zone, International Feet, NAD 83
Coordinate Precision:	Double
Custodian:	Digital Information Service Center

Purpose

This coverage provides a graphic and attribute representation of Public Service Fire Boundaries which support computer aided dispatch and incident analysis through the CLEMIS program.

Description

The fire boundaries in this coverage geometrically correspond to the road centerline coverage maintained for the CLEMIS program. Source information was gathered from local fire departments participating in the CLEMIS program. The boundaries in this coverage represent primary fire respondents.

In support of the Oakland County CLEMIS program, public safety attributes have been added to identify the extent of fire service boundaries. Where appropriate, attributes have been harvested from the road centerline coverage to generate boundary extents. Alternative names have been standardized to meet the requirements set forth in the GGM GeoFile Build Procedures. In some cases, attributes have been classified to reflect the needs of out-county agencies participating in the regional CLEMIS program. The CLEMIS Team will maintain a master list of agency codes and boundary identification numbers in support of the CAD system. Consequently, the FIRE_BNDY and AGENCY_CODE must be populated with values from that master list. As data automation and maintenance is completed, a standardized shape file format (Appendix A) will be generated from this coverage design and provided to the CLEMIS Computer Aided Dispatch system.

Coverage Description

Arc Structure

ARC Attribute Table (AAT):

<u>COLUMN</u>	<u>ITEM NAME</u>	<u>WIDTH</u>	<u>OUTPUT</u>	<u>TYPE</u>	<u>N.DE</u>	<u>ALTERNATE NAME</u>	<u>INDEXED?</u>
					<u>C</u>		
1	<i>FNODE#</i>	4	5	<i>B</i>	-	-	-
5	<i>TNODE#</i>	4	5	<i>B</i>	-	-	-
9	<i>LPOLY#</i>	4	5	<i>B</i>	-	-	-
13	<i>RPOLY#</i>	4	5	<i>B</i>	-	-	-
17	<i>LENGTH</i>	8	18	<i>F</i>	5	-	-
25	<i>FIRE_BNDY#</i>	4	5	<i>B</i>	-	-	-
29	<i>FIRE_BNDY-ID</i>	4	5	<i>B</i>	-	-	-
33	<i>REV_DATE</i>	8	10	<i>D</i>	-	-	-

Item	Description	Item Codes
REV_DATE	The date the arc was changed in the coverage.	Date MM/DD/YYYY

Polygon Structure

Polygon Attribute Table (PAT):

<u>COLUMN</u>	<u>ITEM NAME</u>	<u>WIDTH</u>	<u>OUTPUT</u>	<u>TYPE</u>	<u>N.DE</u>	<u>ALTERNATE NAME</u>	<u>INDEXED?</u>
					<u>C</u>		
1	<i>AREA</i>	8	18	<i>B</i>	-	-	-
9	<i>PERIMETER</i>	8	18	<i>B</i>	-	-	-
17	<i>FIRE_BNDY#</i>	4	5	<i>B</i>	-	-	-
21	<i>FIRE_BNDY-ID</i>	4	5	<i>B</i>	-	-	-
25	<i>BOUNDARY_ID</i>	4	5	<i>B</i>	-	ID	-
29	<i>FIRE_BNDY</i>	4	4	<i>C</i>	-	NAME	-
33	<i>AGENCY_CODE</i>	2	2	<i>C</i>	-	AGENCY	-
35	<i>ACTION_CODE</i>	1	1	<i>C</i>	-	ACTION	-
36	<i>RESP_CODE</i>	6	6	<i>C</i>	-	-	-

Item	Description	Item Codes
BOUNDARY_ID	The unique identifier assigned to each public service fire boundary.	
FIRE_BNDY	A unique identifier assigned to each public service fire boundary and used by GGM.	Refer to master list maintained by CLEMIS Team.
AGENCY_CODE	A unique CLEMIS agency code that represents the agency responsible for primary fire service.	Refer to master list maintained by CLEMIS Team.
ACTION_CODE		P-Pending
RESP_CODE	A placeholder for emergency dispatch changes, allowing dispatchers to reconfigure who responds to a particular fire boundary on the fly.	Refer to CLEMIS CAD configuration.

Appendix A

The following shape file format has been developed to support the use of the fire boundaries in the CLEMIS program and have been designed around the requirements set forth in Printrak's GeoFile Build Requirements. In Oakland County, fire boundary information will be maintained in standard coverage format and exported to shape file when updates to the CLEMIS program are required.

A polygon shape file will be created from the PAT in the following format:

CLEMIS Polygon File (Fire Boundaries):

Item	Description	Item Codes
<i>SHAPE</i>	The type of spatial feature represented in the shape file.	Polygon
<i>AREA</i>	The area of the polygon expressed in square feet.	
<i>PERIMETER</i>	The perimeter of the polygon expressed in feet.	
ID	Unique identifier assigned to each fire boundary	
NAME	The unique identifier assigned to each public service fire boundary and used by GGM.	Refer to master list maintained by CLEMIS Team.
AGENCY	A unique CLEMIS agency code that represents the agency responsible for primary fire service.	Refer to master list maintained by CLEMIS Team.
ACTION		P-Pending
RESP_CODE	A placeholder for emergency dispatch changes, allowing dispatchers to reconfigure who responds to a particular fire boundary on the fly.	Refer to CLEMIS CAD configuration.