

# Geographic Information Systems (GIS)

---

Council Presentation  
January 12, 2026

Luis Martinez, Director



# GIS Accomplishments 2025

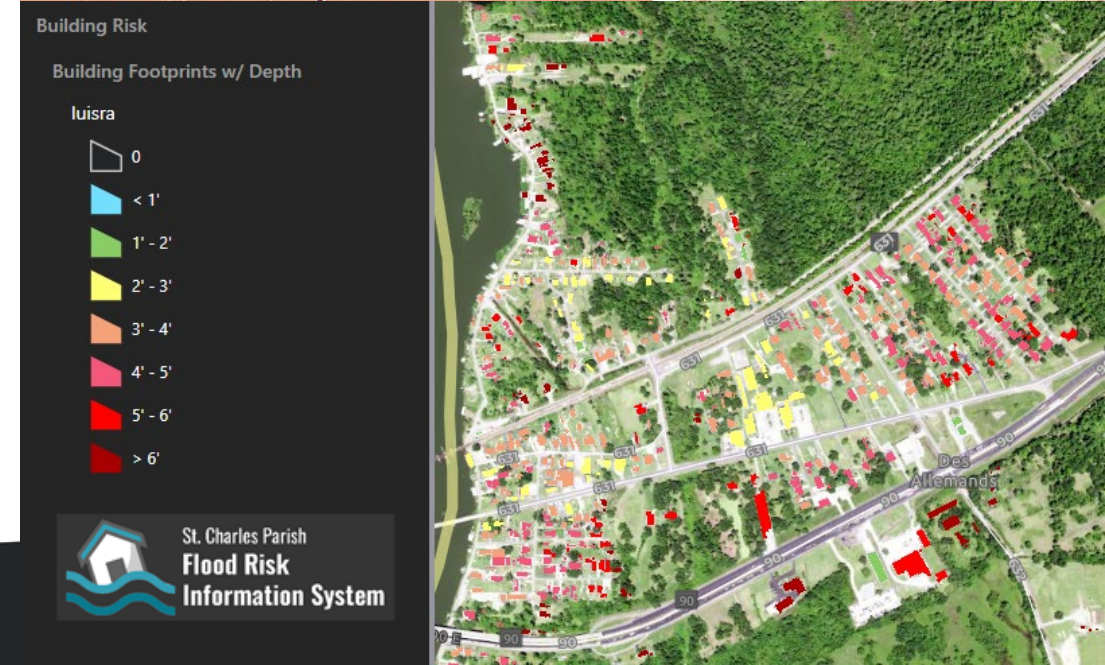
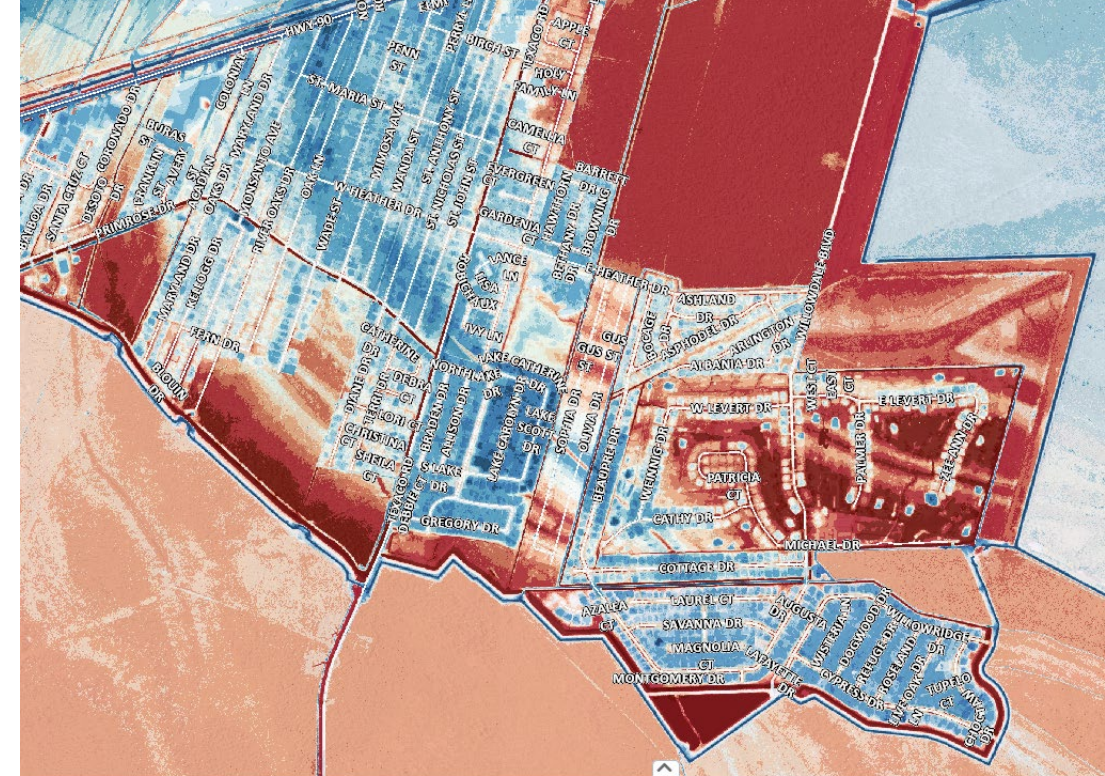
- **Launched GIS Hub**
  - Internal & external access to maps
- **Enterprise Migration to Data Center**
  - Portal and ArcGIS Online replication
- **Developed GIS Monitor**
  - Analyze and optimize the health of GIS system.
  - Provides timely and insightful system metrics on the status, availability, usage, system performance, and resource usage.





# GIS Milestones 2026

- **New LiDAR image acquisition**
  - Flyover in January or February
- **Drainage GPS Acquisition**
  - Transition to National Spatial Reference System (NSRS)
  - Focus on priority areas, Norco, Old Luling, and Mimosa
- **Launch Flood Risk Information System**
  - Elevation Certificates now stored in GIS Cloud database
  - Accessible to residents
  - Create Communication Log for FEMA



# Questions/Comments

- **GIS Hub**

- <https://internal-scpgis.hub.arcgis.com>


- **Flood Map (BETA)**

- <https://floodmap.scpgis.com>








# Flood Risk Information System - Manager




St. Charles Parish  
Flood Risk  
Information System


 Home

 Layers


 Legend

 Welcome to the Flood Risk Information System


Use this application to search for and explore property information, including **Flood Risk Reports** and **Elevation Certificates**.

 How to Get Started


Click on **"Workflows"** button in the **top-left** of the map:

 Locate Property by Address

1. Start typing an address.
2. Select a matching address from the list.
3. Then choose:
  - **Zoom to Address**
  - **Generate Flood Risk Report**
  - **Download Elevation Certificate**

 Locate Property by Owner

1. Start typing the owner's name.
2. Select from the suggestions.
3. Use the parcel selector to pick one or more properties.
4. Then choose:
  - **Zoom to Address**
  - **Generate Flood Risk Report**
  - **Download Elevation Certificate**

 Add Elevation Certificate

Upload a new Elevation Certificate file for a property.

1. **Address Search**

Workflows

 **Locate Property by Address**  
Locate property by address and download reports

 **Locate Property by Owner**  
Locate property by owner name and download reports

 **Add Elevation Certificate**  
Add an Elevation Certificate file to an address point

 **Delete Elevation Certificate**  
Delete an Elevation Certificate file from an address point

 **Add Request Log**  
Add a Request Log entry and download relevant files

 **Contact Log Report**  
Generate a Contact Log Report of requests within a specified date range


Scale 261832

CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS



Map showing flood risk zones (AE, VE) and property boundaries. Labels include Community Number, Panel Id, Effective Date, and Letter of Map Amendment.

# Flood Risk Information System - Manager



St. Charles Parish  
Flood Risk  
Information System

←

Add Elevation Certificate

Address Search \*

106 GENERAL TAYLOR DR

Zoom to Address

Certificate Details

Date \*

01/10/2026

Notes

Elevation Certificate \*


Upload a PDF, JPEG, or PNG.

+ Add File


Add Elevation Certificate

Close


Workflows




**Locate Property by Address**  
Locate property by address and download reports




**Locate Property by Owner**  
Locate property by owner name and download reports




**Add Elevation Certificate**  
Add an Elevation Certificate file to an address point



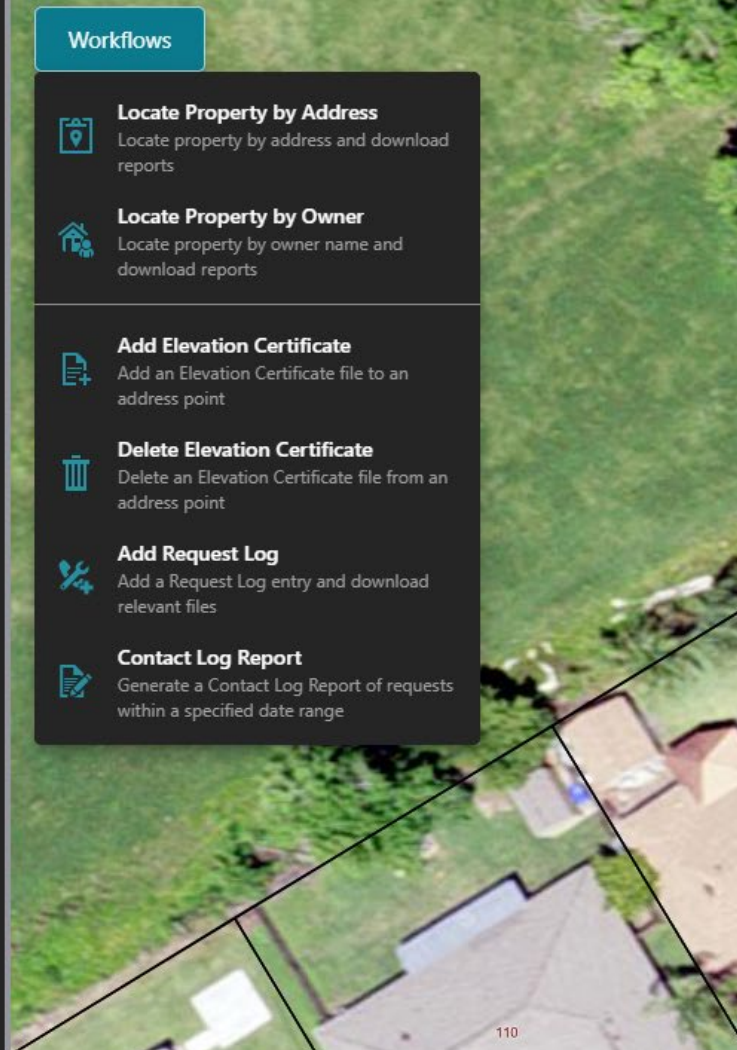
**Delete Elevation Certificate**  
Delete an Elevation Certificate file from an address point




**Add Request Log**  
Add a Request Log entry and download relevant files



**Contact Log Report**  
Generate a Contact Log Report of requests within a specified date range





**ST. CHARLES PARISH**  
St. Charles Parish Department of Planning & Zoning  
14996 River Rd., Hahnville, LA 70051 Phone: (985) 783-5060

Report Generated On: 1/11/26

## Contact Log Report

Date Range: 11/01/2025 - 01/10/2026

Total Requests	
All	7
Elevation Certificates	1
Flood Reports	6

Date Requested	Request Type	Address	Notes
12/02/2025	Flood Report	108 GENERAL TAYLOR DR	this is a test
12/05/2025	Flood Report	1104 PAUL MAILLARD RD	Customer requested flood zone
12/05/2025	Flood Report	341 KENNEDY ST	
12/11/2025	Flood Report	3869 BAYOU GAUCHE RD	
12/23/2025	Flood Report	100 ALPHA DR STE	Request from Kenny from Riverlands Surveying Actual address request is for 151 Alpha Drive (lot E -3B-1)
12/30/2025	Elevation Certificate	208 BARTON AVE	VERTIGIS TEST
01/02/2026	Flood Report	504 ST. ROSE AVE	Request from Community Services


# Flood Risk Information System - Public

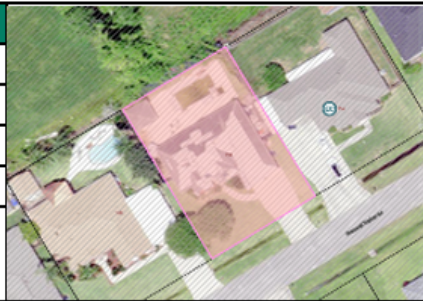


Report Generated On: 1/11/26

## Flood Risk Report

106 GENERAL TAYLOR DR, HAHNVILLE LA  
70057  
17422-105100000281

Elevation Summary (NAVD88)			
Effective FIRM w BFE	X		
Base Flood Elevation	N/A - Property located in X Zone		
Ground Elevation	6.7 ft		
Preliminary DFIRM BFE	0.0 ft		
Potential Flood Depth	N/A. Either ground elevation is higher than Base Flood Elevation or property is located in Flood Zone X.		
Property Details		Parcel Info	
Flood Zone	X	Lot / Block	281 /
Effective FIRM Panel ID	0125 C	Subdivision	FASHION PLTN. EST.
FIRM Community #	220160	Community / State	HAHNVILLE, LA
FIRM Effective Date	June 16, 1992	Acres	0.2112
Requirements	No mandatory requirements to purchase flood insurance.		
Ownership			
Owner(s)	MARTINEZ, LUIS A.;		
Mailing Address	121 GENERAL LEE DR HAHNVILLE LA 70057-		
Environmental and Determinations			
Wetlands	No	Historic Flood Area	Yes



U.S. DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency  
National Flood Insurance Program

30027  
OMB No. 1660-0008  
Expiration Date: November 30, 2018

## ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name Orlando A. Medina		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 204 Union Drive		Company NAIC Number:
City Hahnville	State Louisiana	ZIP Code 70057
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 285 Fashion Plantation Estates Phase II		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential		
A5. Latitude/Longitude: Lat. 29.9517 Long. 090.4087 Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 1A		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s) _____ sq ft		
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		
c) Total net area of flood openings in A8.b _____ sq in		
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		
A9. For a building with an attached garage:		
a) Square footage of attached garage 700 sq ft		
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 0		
c) Total net area of flood openings in A9.b 0 sq in		
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION		
B1. NFIP Community Name & Community Number St. Charles Parish, 220160		B2. County Name St. Charles Parish
		B3. State Louisiana
B4. Map/Panel Number 220160 0125	B5. Suffix C	B6. FIRM Index Date 08/16/1992
B7. FIRM Panel Effective/Revised Date 08/16/1992		B8. Flood Zone(s) X
		B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) NA