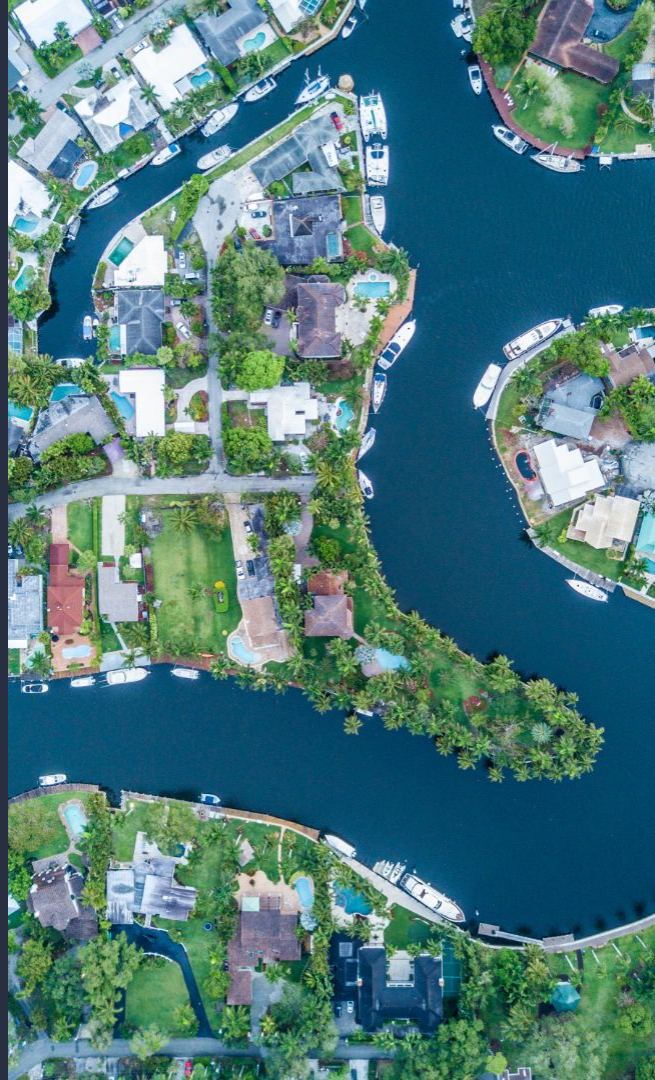




Digitizing Disaster Readiness and Daily Workflows in Preston County, WV

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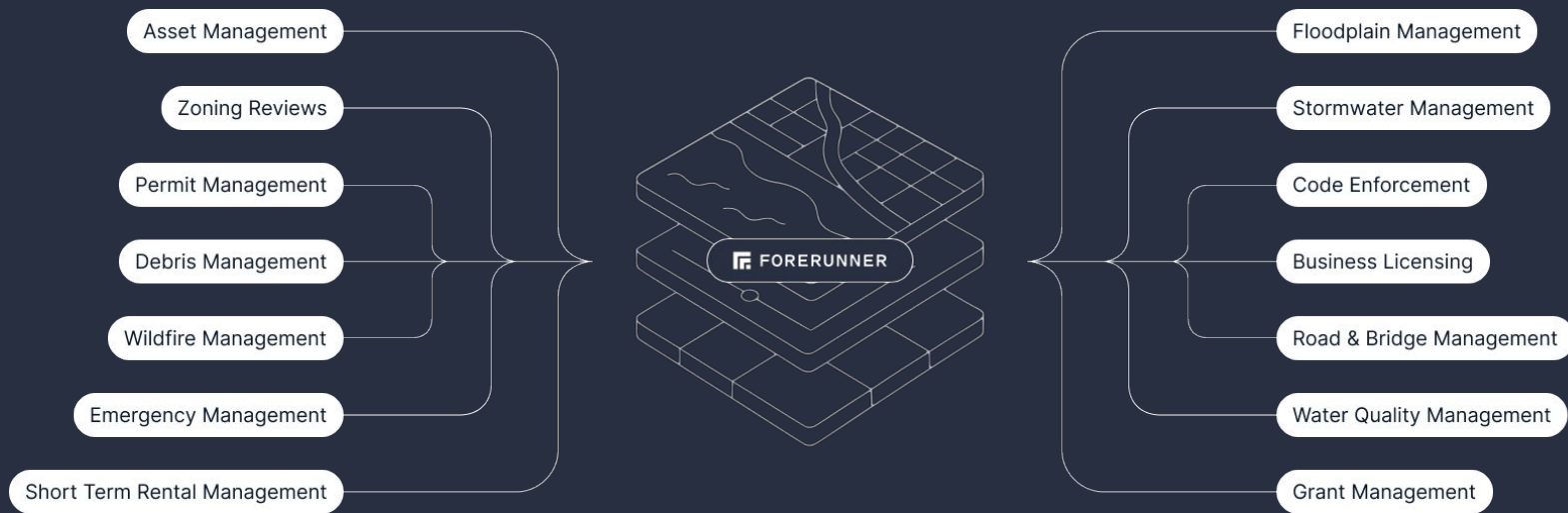
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Introduction

Government operations are complex and increasingly disconnected.



Forerunner provides a unified, AI-powered geospatial platform.



The intelligence layer for government operations.



AI Intelligence.

Get instant answers to operational questions, surface risks before they escalate, and cut time you spend on documentation.



Field Workflows.

Give your field crews tools that guide them through every inspection — so data quality doesn't depend on experience level.



Automations.

Stop chasing follow-through manually. Tasks are routed to the right crews automatically, and your systems stay up to date.



Integrations.

We connect to the systems you already use — no rip and replace. You're up and running fast, and your existing investments keep working.

We work with
200+ community
partners across
the US.



FDEM
Florida



DWR
California



MEMA
Mississippi



BOI
Maine



Harris County
Texas



Nashville
Tennessee



Hampshire County
West Virginia



Palm Beach County
Florida



Miami
Florida



Chatham County
Georgia



Cedar Rapids
Iowa



Raleigh
North Carolina



Preston County
West Virginia



Lincoln
Nebraska



Tampa
Florida



Chattanooga
Tennessee

Modernizing floodplain management: Preston County's story.

- Managing floodplain responsibilities across a large county with numerous waterways and flood-prone areas
- Replacing paper records and disconnected systems with a centralized platform
- Improving visibility into parcel-level data, compliance activities, and resident communications
- Strengthening disaster readiness with digital damage assessment and recovery workflows



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Floodplain management is crucial in Preston County.

- Mountainous terrain and river valleys increase flash flood risk
- Heavy rainfall frequently causes localized flooding and drainage issues
- Numerous waterways create flood exposure across rural communities
- Large geographic area adds complexity to floodplain management and compliance



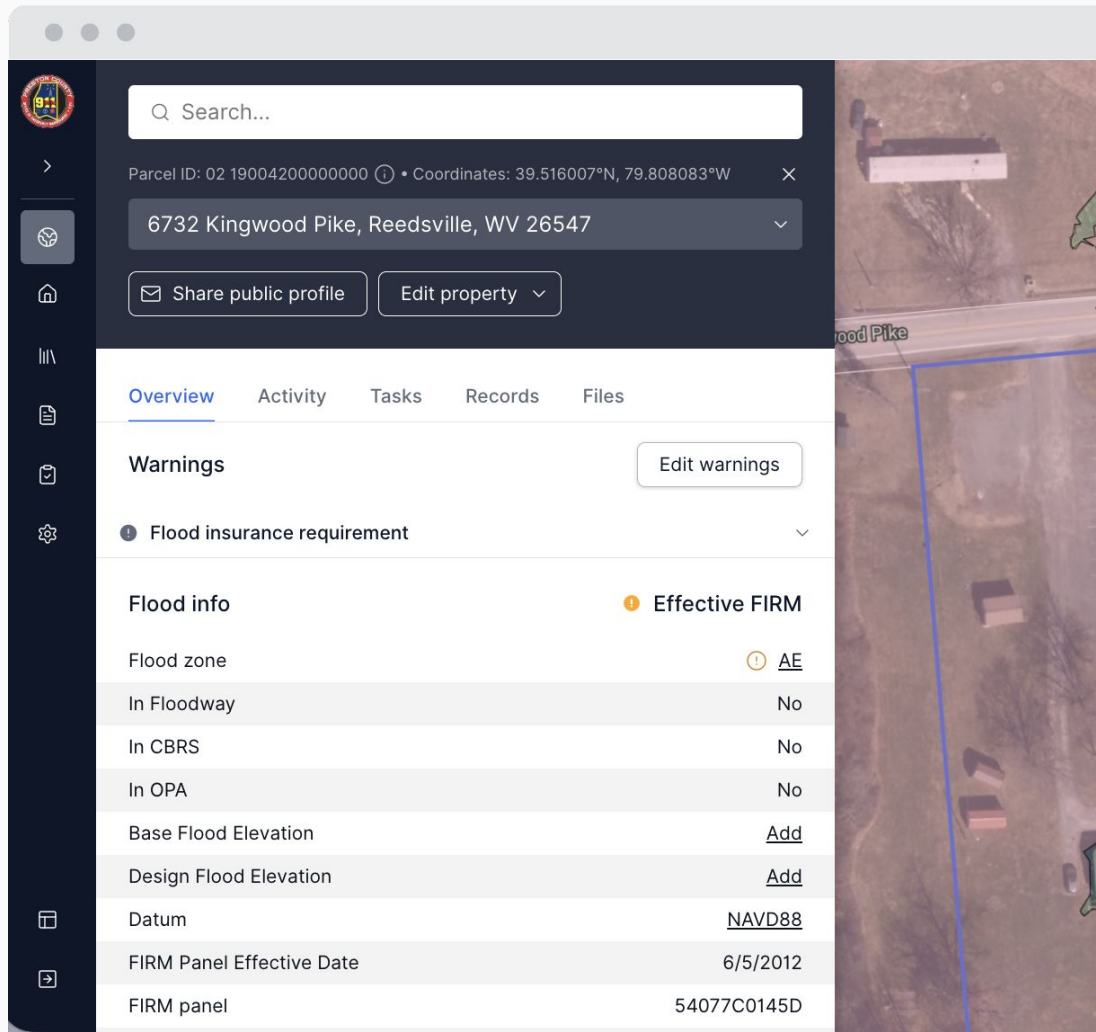
Modernizing the County's operations.

- Floodplain records and workflows were previously spread across disconnected systems and paper-based records
- Staff needed a more centralized and efficient way to manage property-level data.
- Reduce administrative burden and streamline workflows.



Comprehensive property tracking.

- Created a centralized “single source of truth” for parcel records + data: property photos, inspections, ECs, and compliance data
 - Improved data access for teams in the field and in the office
- Reduced manual property research **by over 50%**
- Strengthened tracking of non-compliant properties and follow-up actions
- Streamlined annual recordkeeping, including property notes, logs, and address updates



Faster Elevation Certificate reviews.

- Geocodes and links uploaded ECs directly to the correct property on the county map
- Instantly flags compliance issues to streamline floodplain reviews
- Catches errors early to help protect and improve the county's CRS rating

×

6732 Kingwood Pike.pdf

Elevation Certificate

Related record

Needs review

Issues (22)

Extracted fields

Settings

Issues have been processed using the following FIRM data:

- NFIP FIRM - Effective FIRM
- Regulatory FIRM - Effective FIRM

A4. Building Use	non residential	...
A5. Latitude/Longitude	39.51612° -079.80790°	...
A7. Building diagram number	(empty)	...
A8.c Engineered/Non-engineered fl...	(empty)	...
A8.c Engineered/Non-engineered fl...	(empty)	...
A8.d Total net open area of non-en...	(empty)	...
A8.e Total rated area of engineered...	(empty)	...
A9.a Square footage of attached ga...	(empty)	...
A9.b Is there at least one permanen...	(empty)	...
A9.c Engineered/Non-engineered fl...	(empty)	...
A9.c Engineered/Non-engineered fl...	(empty)	...
A9.d Total net open area of non-en...	(empty)	...

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9

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IMPORTANT: MU

Copy all pages of this Elevation Certificate

SECTION A -

A1. Building Owner's Name: OLD MI

A2. Building Street Address (including Ap
6732 Kingwood Pike, P.O. B

City: Reedsville

A3. Property Description (e.g., Lot and
5.106 (LESS COAL) ARTH

A4. Building Use (e.g., Residential, Non

A5. Latitude/Longitude: Lat. 39.5161

A6. Attach at least two and when possib

A7. Building Diagram Number:

A8. For a building with a crawlspace or

a) Square footage of crawlspace or

b) Is there at least one permanent f

c) Enter number of permanent floo
Non-engineered flood openings:

d) Total net open area of non-engir

e) Total rated area of engineered fl

f) Sum of A8.d and A8.e rated area

A9. For a building with an attached gara

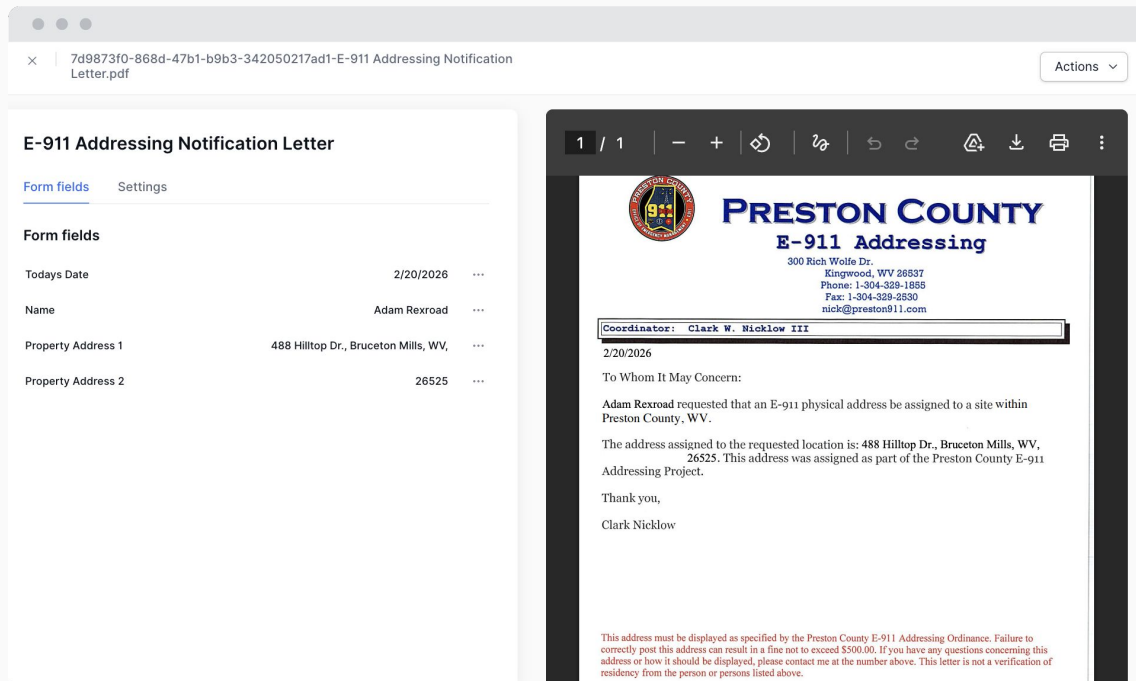
a) Square footage of attached gara

b) Is there at least one permanent f

c) Enter number of permanent floo

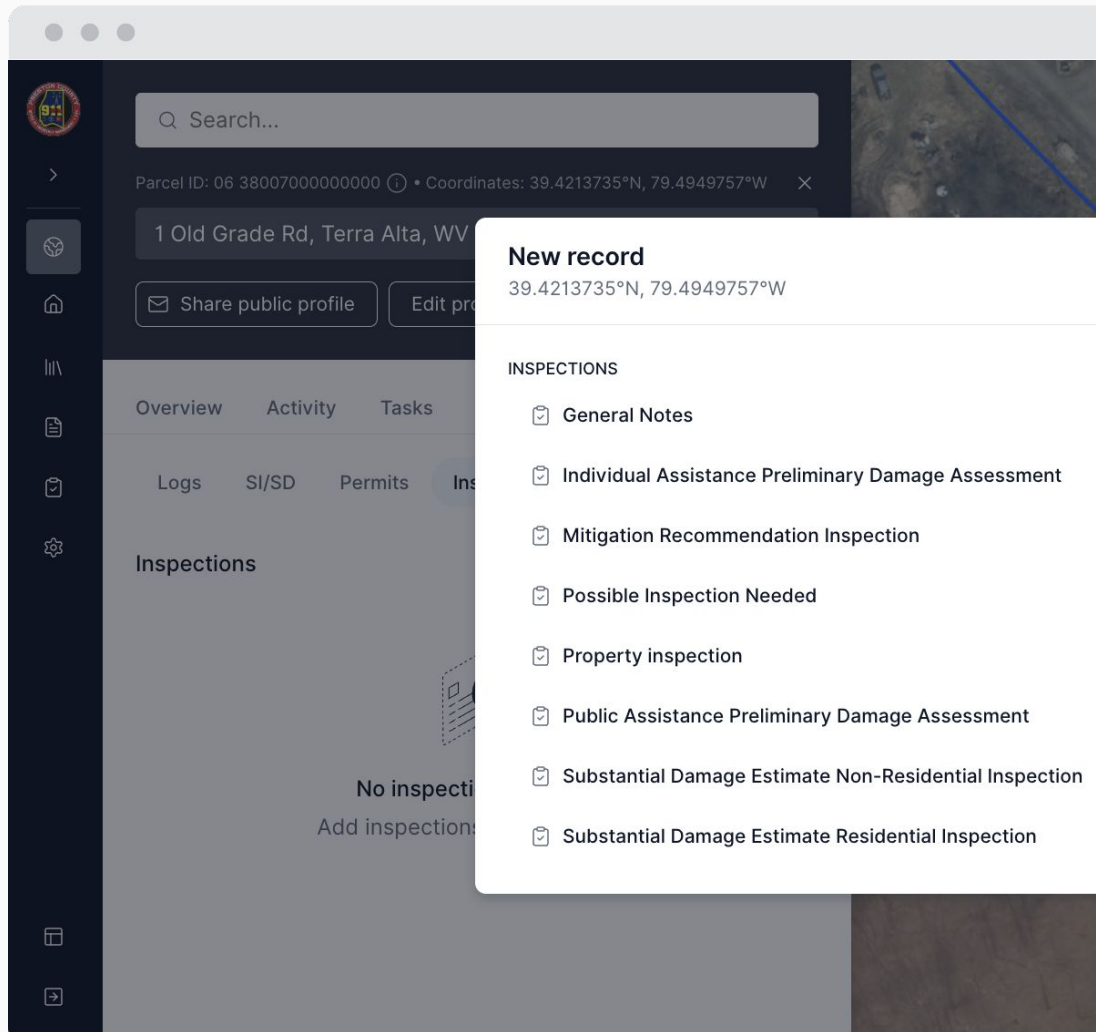
Enhancing resident communication.

- Auto-generate Flood Zone Determination and E-911 notification letters
- Reduced administrative work by **85%**
- Improved consistency and transparency for resident communications
- Linked communications directly to parcel records



Preemptive disaster planning.

- Implement Preliminary Damage Assessments (PDAs) and Substantial Damage Estimation (SDE) workflows and documentation ahead of flood events
- Centralize post-disaster inspections, damage photos, and property-level records
- Improve organization and visibility during post-disaster recovery operations → create “Substantial Damage teams” with other counties to maximize recovery operations



Looking ahead.

- Streamlining the building permit application process for residents and staff
- Exploring integration of Survey123 damage assessment data into the geospatial dashboard
- Providing assessors with access to new address information and floodplain records in Forerunner



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Thank you!



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