GIS SOLUTIONS FOR ENCROACHMENTS

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GIS? Software Functionalities Potential Development

What GIS Needs To Succeed

- Inputs (Data)
- Communication
- Collaboration

Companies

- Internal Standards
- Willingness to share

Organizations

- Promoting
- Learning

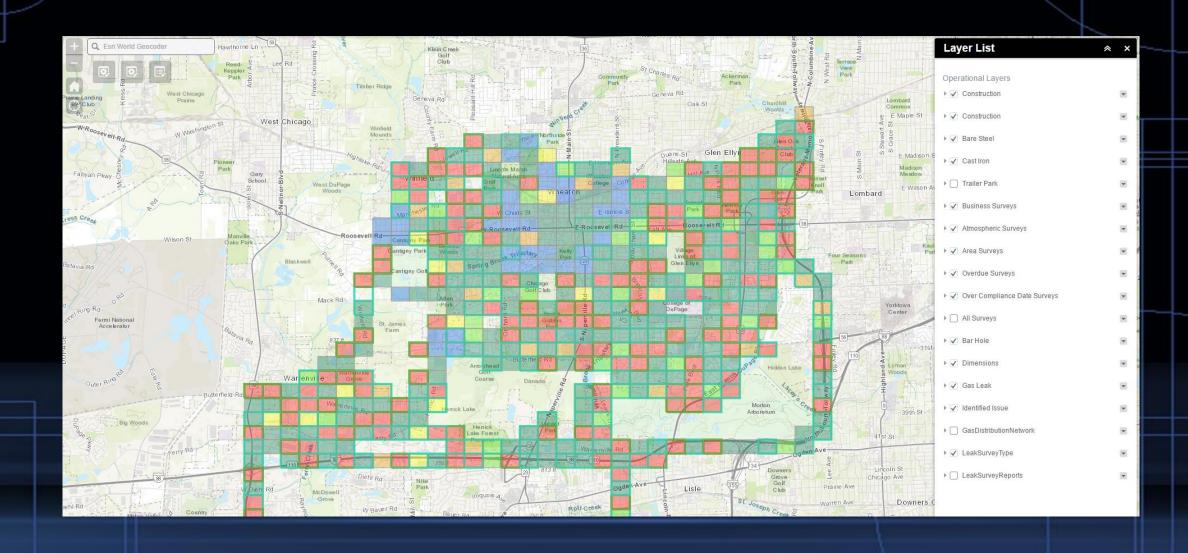
Government

- Regulations
- Enforcement

The Basics

- Standards
 - Required information
 - Feature Class Setup
 - Specs
 - Processes
- Planning
- Updating Databases
- Lessons Learned
- Goal vs Reality

Viewer



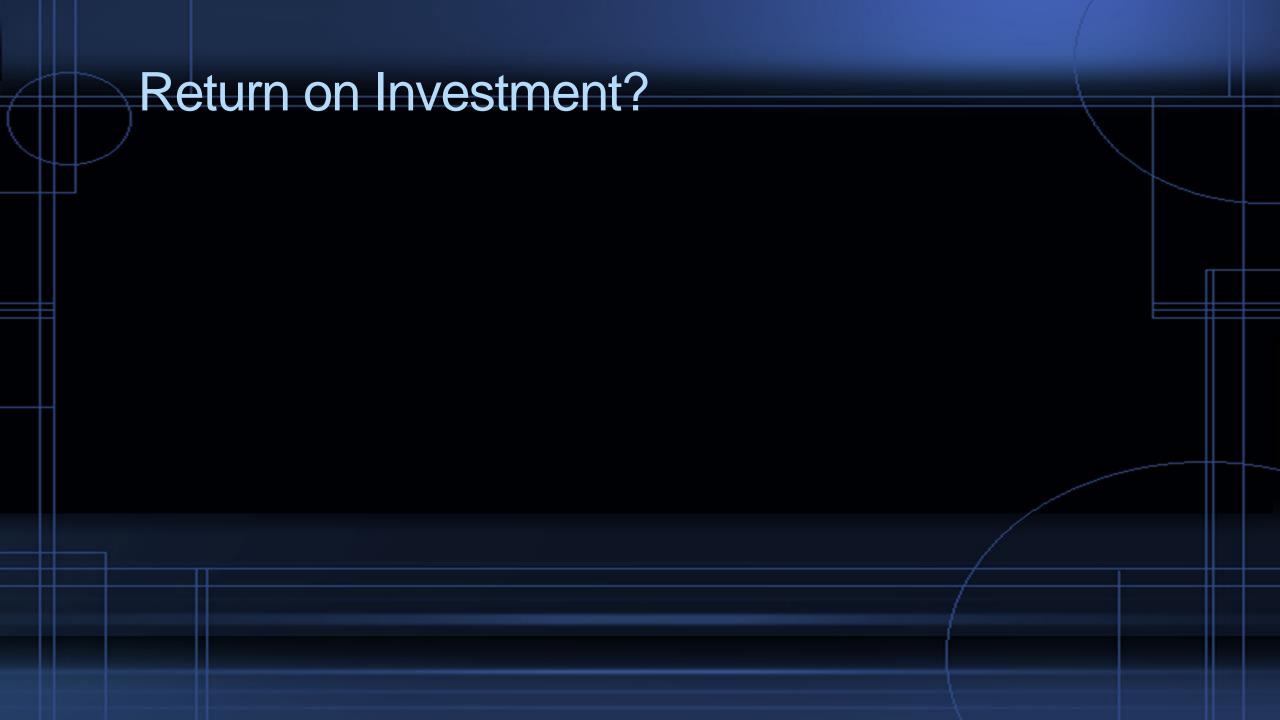
- Preventive Measures
 - Why do we have encroachments?
 - Establishing Guidelines
 - Monitoring Results
 - Recording Historical Data

- Real Time Data
 - Live Reporting
 - From the field
 - Active Monitoring
 - From the system

- Advanced Satellite Technology
 - Multispectral/Hyperspectral Images
 - Proprietary Algorithms
 - Predetermined Monitoring Schedule
 - Accurate Reporting
 - Automated Alerts

- Big Data Analytics
 - Predictive Analysis
 - Future Planning
 - Improved Best Practices

- Centralized Server
 - Automatic Updates
 - Advanced Queries
 - Customized Metrics
 - Multi-department



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