

ENVIRONMENT AND NATURAL RESOURCES WEBINAR SERIES

ARCGIS FOR WATER QUALITY INSPECTION

CHRIS NICKOLA

NIKKI GOLDING

ENVIRONMENT AND NATURAL RESOURCES

Webinar Series

GIS Trends in Environment and Natural Resources
May

Improving Environmental Permit compliance and Inspection through GIS June

Improving Civic Engagement with GIS
August

Understanding Environmental Impacts through GISSeptember

Water Quality Inspections
November 30

https://geonet.esri.com/groups/env

MISSION

To help environment and natural resource agencies leverage location-based information to:

- 1. Deliver improved service,
- 2. Make better decisions, and
- 3. Effectively engage citizens.

DEFINITION

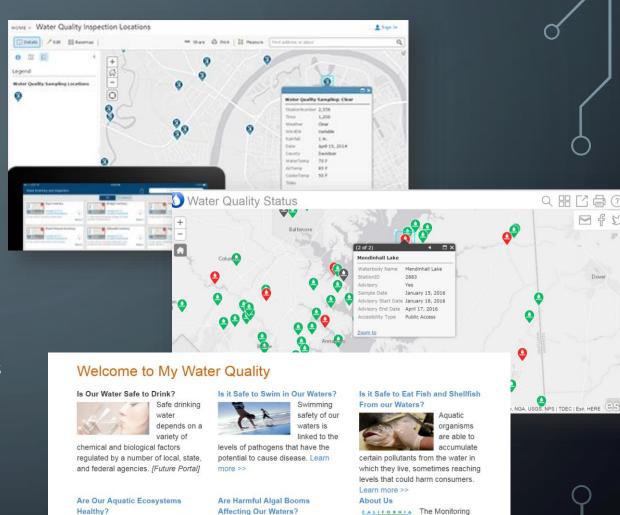
WikipediA

Water quality refers to the chemical, physical, biological, and radiological characteristics of water. It is a measure of the condition of water relative to the requirements of one or more biotic species and or to any human need or purpose. It is most frequently used by reference to a set of standards against which compliance can be assessed. The most common standards used to assess water quality relate to health of ecosystems, safety of human contact, and drinking water.

WATER QUALITY ASSESSMENT

Timely access to more accurate information

- Expedite access to information
- Increase data accuracy
- Monitor and evaluate the health of water bodies
- Deliver information to the public
- Facilitate communication with stakeholders

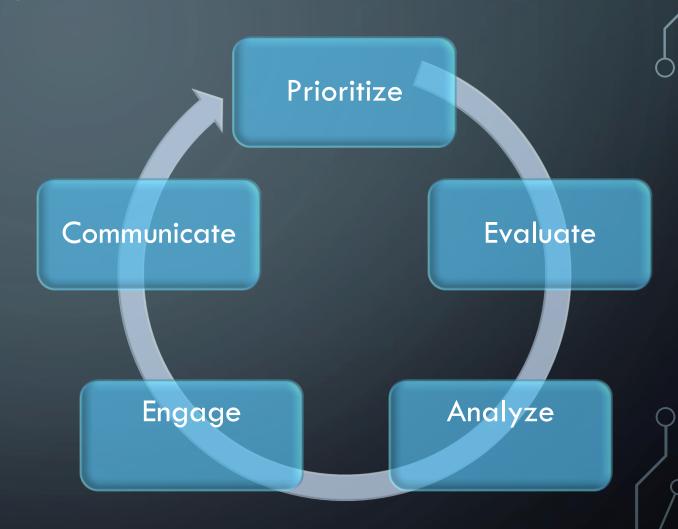


activities. The toxins they produce can harm pets, livestock, and people Council seeks to provide multiple perspectives on

INSPECTING AND ASSESSING

Provide insight and clarity through analysis

- Prioritize
- Evaluate
- Analyze
- Engage
- Communicate

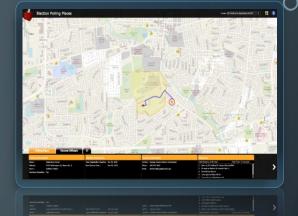


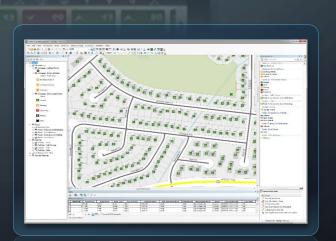
LOCATION FOR THE ORGANIZATION

Business Value

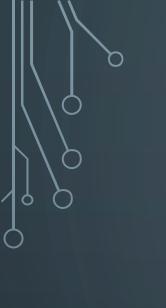
- Improved decision making
- Improve timeliness and accuracy of data
- Streamline field operations
- Increase operational awareness
- Improve service to business community
- Increase community engagement and feedback











APPLYING WEBGIS TO WATER QUALITY ASSESSMENT

ARCGIS FOR STATE GOVERNMENT

Esri solutions for government customers

- Series of useful maps and apps focused on government work
 - Configurable and extensible
 - Freely available and fully supported
- Community of users
 - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
 - Help users implement, sustain and enhance



Information Mode

ARCGIS FOR STATE GOVERNMENT

Our mission is to help you.....

- Deliver maps and applications quickly throughout your organization
- Stay current with future releases / avoid legacy technology
- Deploy a geospatial platform that can be leveraged by many
- Leverage the collective knowledge of the entire community
- And do this with....less staff, budget, and technical expertise



Transportation

Railroad Crossing Inspection Road Closures Bridge Inventory Environmental Screening Crash Analysis Guardrail Inventory Pavement Marking Inventory Sign Inventory



Public Health

Transportation 511

Beach Monitoring
Water Quality Monitoring
Restaurant Inspection
Restaurant Inspection Results
My Health Services
Birth Outcomes
Birth Outcomes Briefing
Model Organization



Secretary of State

Early Voting Polling Place Locator Election Results My Elected Representative



Emergency Management

Situational Awareness
Flood Planning
Special Event Planning
Emergency Assistance
Evacuation Zones
Road Closures
Damage Assessment
My Hazard Information
EM Maps
Model Organization
Briefing Book
Citizen Reports
Common Operational Picture
Incident Analysis Viewer

Operations Response

Photo Survey

Shelter Locator



Environment and Fish and Wildlife

Permit Status
Permit Inspection
Hunting License Locator
Water Access Locator
Wildlife Management Area Locator
Environmental Screening
Environmental Impact Polling
Trail Locator
Citizen Science Reporter

Citizen Science Reporter
Citizen Science Manager
Model Organization
Impact Briefing
Water Quality Inspections
Water Quality Results
Park and Recreation Locator

Economic Development

Live, Work, and Locate Incentive Zones Site Selector Event Locator



GIS/IT

Executive Dashboard
Briefing Book
Community Parcels
Community Addresses
Maps and Apps Gallery
Crowdsource Manager
Crowdsource Reporter
Service Catalog/Hosted Services
Model Organization
PLSS

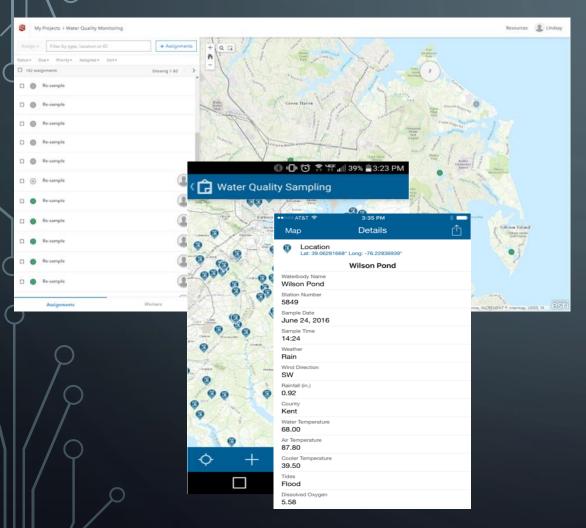


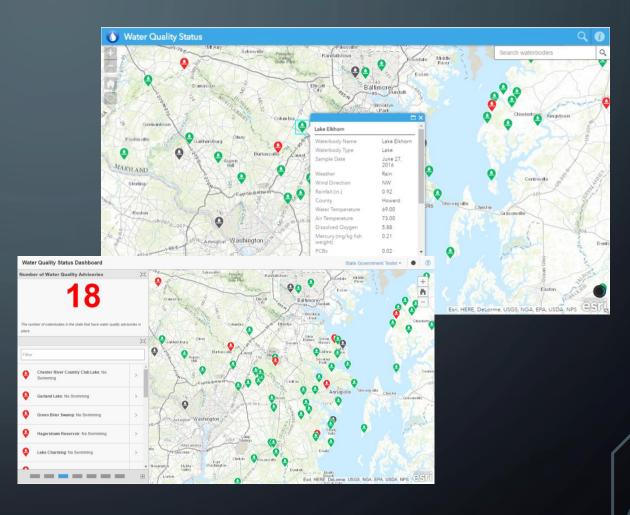
ARCGIS FOR STATE GOVERNMENT



WATER QUALITY ASSESSMENT

A collection of applications to support monitoring and evaluation of water bodies





GETTING STARTED. NEXT STEPS.

Environment and Natural Resources

Help scientists and interested parties understand potential impacts of development and other projects on the natural environment. Brief executives and decision-makers on potential impacts, and elicit feedback from stakeholders and constituents on projects happening in the region.



Conduct Analyses

Environmental Analysis is a configuration of ArcGIS that helps scientists, planners, and other analysts to understand the potential impact of development and other projects on the natural environment.



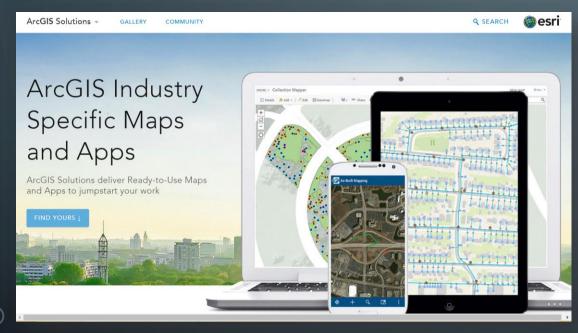
Understand Impact

An application configuration that enables interested parties to discover potential impacts to the natural landscape, species, and species habitat due to development and mitigation activities.

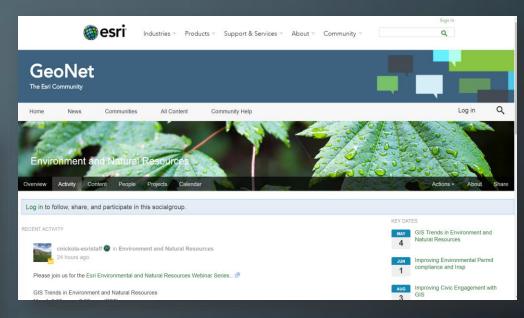
http://esriurl.com/ArcGIS4StateGov

THE COMMUNITY

It's not just about the technology



Destination where organizations can collaborate



Have ongoing dialog, share success stories and learn from others

Questions

Please enter in Question form

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Thank You



http://solutions.arcgis.com



https://geonet.esri.com/groups/env



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http://esri.github.com



Chris Nickola – <u>cnickola@esri.com</u>

Nikki Golding – ngolding@esri.com