

Environmental Management Activity

Missouri Department of Natural Resources

Organization Contact/Liaison

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Environmental Status and Trends Reporting

Reporting format

- brief report
- fact sheets
- multi-volume report
- data catalog
- monitoring report
- state of environment report

Indicators in use?

Report purpose

- public information
- public relations
- environmental education
- legislative requirement
- internal agency use
- strategic planning
- setting goals and objectives
- baseline data

Benchmarks Program

Benchmarks related to environmental/natural resources

Place-Based or Ecosystem Management

List of Ecosystem Projects:

James River Watershed and Ecoregion Project

Environmental Goals Project

Indicators in use?

Measures for noting progress?

State Comparative Risk Project

Project status

- planning
- issue identification
- risk assessment
- risk management
- implementation

Indicators in use?

Indicators used as:

- issue papers
- issue identification
- risk management phase
- after project completion
- monitor risk reduction

Projects defined by:

- watersheds
- ecological boundaries
- ecoregions
- biogeographic regions
- geopolitical demarcations
- statistical sampling grid

Indicators in use?

Strategic Planning

Planning process uses

- program effectiveness
- budget
- program planning
- setting goals
- legislative oversight

mandated

voluntary

Indicators in use?

Sustainable Development

Resources addressed

- forests
- fisheries
- agriculture
- mineral resources
- sand and gravel
- public lands
- renewable energy
- nonrenewable energy
- soil

Indicators in use?

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Geographic Information System

Operating system

- ARC/Info Geo-based
 Intergraph Other:

GIS uses

- comprehensive planning tool
 strategic planning
 legislative requirements
 environmental indicators
 sustainable development
 place-based/ecosystem management
 comparative risk assessment
 programmatic decisions

Other: vulnerability assessment for drinking water

Technical Assistance Needs

Ability to browse the Internet

of Connections: unknown

Browser Tool

- Netscape Mosaic

Other:

Regularly Receive Internet Information?

Information acquired

- publications
 data sets

Other:

Benefit from on-site technical assistance to:

- plan/design an indicator system
 develop place-based indicators
 integrate indicator development with comparative risk
 assist with a state-of-the-environment report
 discuss uses of indicators
 integrate indicators into management system
 technical aspects of indicator selection and development

other:

Benefit from meeting with other states to discuss indicators

Information Resource Management

Aspects addressed

- environmental information inventor
 programmatic information inventory
 data gaps
 data quality
 data formatting
 sharing electronic data
 data collection
 data distribution
 data maintenance

Inventory of relevant information

Classification schemes for data sets

Standard metadata format

Data Needs List:

No Response

List of Useful Data Sets:

No Response

Environmental indicators from national data sets useful?

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Specific Needs:

80% of our operational costs are related to salaries, a factor of the number and types of staff we employ. We typically use workload by activities as a means to communicate employee productivity and the need for additional resources. We will not be able to eliminate these statistics by reporting environmental indicators, which cannot be directly related to resource needs. Information and education will become more important.

Barriers:

As progress is made, keeping resources dedicated to properly maintain improvements will be important. With scarce resources for state services, there will be great pressure to reallocate natural resource protection funds to other social concerns, such as medicine and AIDS.

Regions Aid:

Use their discretionary resources to work with the state to supplement our efforts.

HQ Aid:

Establish some very basic, standard reporting criteria so that work in cross-state watersheds and airsheds can be compared and contrasted and used additively to manage complementary efforts.

Project Aid:

Unless the project is used back through EPA, States do not have to buy into it. Ensure project work comes out from EPA.