



Mission: To protect human health and safeguard the environment

National Program Offices:

- Air and Radiation
- Chemical Safety and Pollution Prevention
- Enforcement and Compliance Assurance
- Environmental Information
- General Counsel
- International and Tribal Affairs
- Land and Emergency Management
- Water
- Research and Development

EPA Office of Research and Development - National Research Programs

Air, Climate & Energy



Sustainable & Healthy Communities



Homeland Security



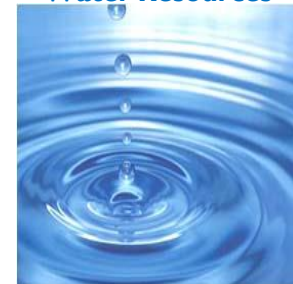
Chemical Safety for Sustainability



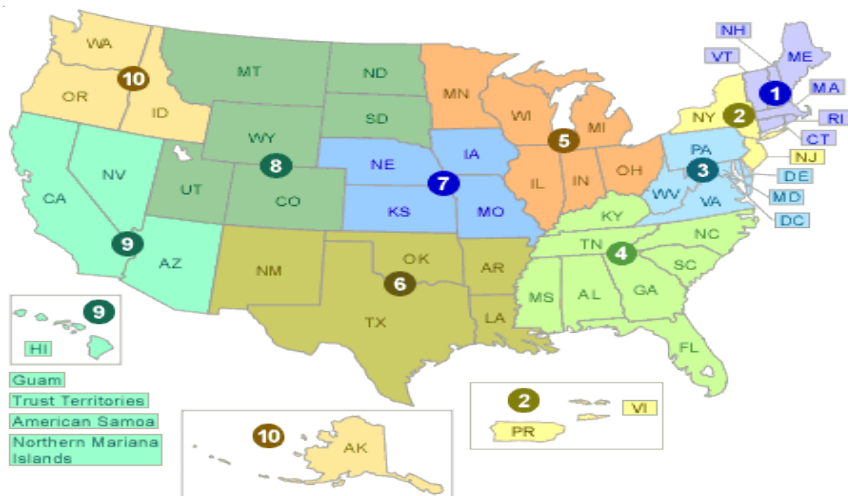
Human Health Risk Assessment



Safe & Sustainable Water Resources



10 Regional EPA Offices (plus labs and field offices)





What We Have to Offer

Natural Resource Expertise

- Landscape Ecology
- Conservation & Wildlife Biology
- Wetland & Aquatic Ecology/Biology
(including monitoring)
- Watershed Analysis/Modeling
- Water Quality/Chemistry
(including monitoring)
- Ecosystem Service Valuation
- Toxicology
- Ecological and Human Health Risk
Assessment
- Systems/Cumulative Effects
Analysis
- Climate Change Science

Tools and Products

- **National Aquatic Resource Surveys (NARS):** assesses the status of and changes in quality of the nation's coastal waters, lakes and reservoirs, rivers and streams, and wetlands
- **EnviroAtlas:** interactive tools and information for exploring the benefits we receive from "ecosystem goods and services"; and to access, view, and analyze diverse information to better understand the potential impacts of various decisions
- **Multi-criteria Integrated Resource Assessment:** facilitates stakeholder engagement and science integration for collaborative multi-objective decision making.

LCC Partners Expertise, Data/Information and Tools Needed for:

- ❖ Making a Visible Difference in Communities (assessments, strategic planning, indicators/metrics, ecosystem service valuation, environment/human health nexus)
- ❖ Regional “Geographic” Programs, inc. National Estuary Programs, Urban Waters Programs
- ❖ Project Impact Review (inc. cumulative impact analyses) for regulatory programs (NEPA, Section 404 permits, NPDES Discharge permits, etc.)
- ❖ Provide “Context” for site-level protection and restoration
- ❖ Developing Climate Adaptation/Resiliency Strategies
- ❖ Regional Watershed and Landscape Assessments (inc. Ecological Risk Assessments)

- Federal multiagency (DOE, DOI) coordination on research associated with unconventional oil and gas resources (shale gas, oil, hydraulic fracturing, etc.)
- Collaborations with private orgs and public agencies to promote EPA Healthy Watershed Initiatives
- Enhance resilience/climate adaptation through natural resource planning, management, and research, across state and federal agencies (NOAA, FEMA, DOD, BLM, NPS, USGS, ACOE, DOI, USDA) using geographic and regional approaches facilitated by the LCCs