

Summary Listing of Recommended Indicators

For the reader's convenience, the following is a comprehensive list of the recommended indicators included in this document. Additional indicators and their related data sources are included at the end of each Issue section.

Water Quality: Groundwater

- Total Pounds of Toxic Chemicals Discharged to Groundwater
- Number of Leaking Underground Storage Tanks

Water Quality: Surface Water

Subissue: General

- Miles/Acres (or Percent) of Waterbodies Meeting or Exceeding Designated Use
- Index of Biotic Integrity
- Oregon Water Quality Index

Subissue: Nutrients

- Total Nitrogen Concentration
- Total Phosphorus Concentration

Subissue: Pathogens

- Shellfish Growing Water Classification

Subissue: Pesticides

- Loadings of Pesticides

Subissue: Soil Erosion and Sedimentation

- Soil Erosion Rates
- Total Suspended Particles

Subissue: Toxics/Metals

- Total Pounds of Toxic Chemicals Discharged to Surface Water
- Concentration of Pollutant Compounds in Tissue Samples of Selected Target Species

Water Quality: Drinking Water Resources and Water at the Tap

Subissue: General

- Miles/Acres (or Percent) of Waterbodies Meeting Drinking Water Designated Use
- Population (or Percent of Population) Served by Community Water Systems with No Violations of Maximum Contaminant Level Standards
- Number (or Percent) of Community Water Systems with Source Water Protection Programs

Subissue: Nutrients

- Population (or Percent of Population) Served by Community Water Systems with No Violations of Nitrate Maximum Contaminant Level Standards

Subissue: Pathogens

- Population (or Percent of Population) Served by Community Water Systems with No Violations of Microbiological Maximum Contaminant Level Standards

Subissue: Pesticides

- Population (or Percent of Population) Served by Community Water Systems with No Violations of Pesticide Maximum Contaminant Level Standards

Subissue: Toxics/Metals

- Population (or Percent of Population) Served by Community Water Systems with No Violations of Metal Maximum Contaminant Level Standards
- Population (or Percent of Population) Served by Community Water Systems with No Violations of Toxics Maximum Contaminant Level Standards

Water Quantity

Subissue: Water Use by Category

- Total Water Withdrawals by Use (Public Supply, Domestic, Commercial, Irrigation, Livestock, Industrial, Mining, and Thermoelectric)

Criteria Air Pollutants

Subissue: Carbon Monoxide

- Carbon Monoxide Emissions
- Number of Carbon Monoxide Nonattainment Areas and Their Corresponding Population

Subissue: Lead

- Lead Emissions
- Number of Lead Nonattainment Areas and Their Corresponding Population

Subissue: Nitrogen Dioxide

- Nitrogen Oxide Emissions
- Number of Nitrogen Dioxide Nonattainment Areas and Their Corresponding Population

Subissue: Ozone

- Number of Ozone Nonattainment Areas and Their Corresponding Population

Subissue: Particulate Matter (PM-10)

- Particulate Matter (PM-10) Emissions
- Number of Particulate Matter (PM-10) Nonattainment Areas and Their Corresponding Population

Criteria Air Pollutants (Cont.)

Subissue: Sulfur Dioxide

- Sulfur Dioxide Emissions
- Number of Sulfur Dioxide Nonattainment Areas and Their Corresponding Population

Subissue: Volatile Organic Compounds

- Volatile Organic Compounds Emissions

Subissue: Pollutant Standard Index

- Number of Pollutant Standard Index Days Greater Than 100

Toxic Air Pollutants

Subissue: Organic and Inorganic Chemicals

- Hazardous Air Pollutants with the Largest Releases to Air
- Releases of Known or Suspected Carcinogens to Air

Subissue: Heavy Metals

- Toxic Releases to Air of Heavy Metals and Metal Compounds

Climate Change

Subissue: Carbon Dioxide

- Carbon Dioxide Emissions
- Carbon Dioxide Concentrations (ppm by Volume) in the Earth's Atmosphere

Subissue: Greenhouse Gases

- Emissions of Greenhouse Gases
- Mean Average Surface Temperature

Stratospheric Ozone Depletion

Subissue: Greenhouse Gases

- Emissions of Stratospheric Ozone-Depleting Substances
- Atmospheric CFC Concentration (ppt)

Atmospheric Deposition

Subissue: Acidification

- Emissions of Sulfur Dioxide and Nitrogen Oxides
- Quantity of Sulfate and Nitrate Ion Deposition

Subissue: Heavy Metals

- Toxic Releases to Air of Heavy Metals and Metal Compounds

Indoor Environments

Subissue: Lead

- Blood Lead Levels in Children

Subissue: Radon

- Indoor Radon Levels

Pesticides

Subissue: Ecosystem Impacts

- Pesticide Levels in Selected Waters or Selected Crops
- Use of Alternatives to Pesticides

Subissue: Residues in Food

- Number and Level of Pesticide Residues Found in Food

Accidental Releases

Subissue: Hazardous Releases

- Number of Incidents Involving Hazardous Substances and Quantity Released
- Number of Injuries and Fatalities Involving Accidental Releases of Hazardous Substances

Subissue: Radioactive Releases

- Number of Incidents Involving Radioactive Substances and Quantity Released

Radiation

Subissue: High-level Radioactive Waste

- Volume and Radioactivity of High-level Radioactive Waste

Subissue: Low-level Radioactive Waste

- Accumulated Volume and Radioactivity of Low-level Radioactive Waste

Subissue: Spent Nuclear Fuel

- Mass and Radioactivity of Commercial Spent Nuclear Fuel

Solid Waste

- Solid Waste Materials Generated by Sector, Type of Material, and Per Capita
- Volume of Industrial Solid Waste Generated
- Amount of Solid Waste Landfilled, Recycled, or Incinerated
- Amount and Type of Material Recycled Annually

Hazardous Waste

Subissue: Hazardous Waste Management

- Amount of Hazardous Waste Managed by Type of Method

Subissue: Volume of Hazardous Waste

- Tons Per Year of Hazardous Waste Generated

Ecosystems

Subissue: Biodiversity

- Plant and Animal Diversity
- Percent of River and Stream Miles Designated as Healthy Using Biological Assessments

Subissue: Habitat/Land Cover

- Acres of Protected/Managed Lands

Subissue: Place Based Indicators of Ecosystem Health

- Waters Meeting Aquatic Life Designated Use
- Estuarine Eutrophication Conditions
- Change in Annual Wetland Acreage by Type

Subissue: Threatened and Endangered Plants, Animals, and Aquatic Species

- Species at Risk (Aquatic, Terrestrial, Plant)
- Selected Indicator Species of Ecosystem Health

Land Use/Land Cover

- Changes in Major Land Cover Categories

Food Safety

- Waters Meeting Fish Consumption and Shellfish Harvesting Designated Uses

Use and Management of Natural Resources

Subissue: Energy Resources

- Energy Consumption by Sector, by Type of Energy, and Per Capita Usage
- Renewable Energy Consumption by Sector, by Type of Energy, and Per Capita Usage

Subissue: Fisheries

- Annual Weight of Commercial Fish and Shellfish Landings

Subissue: Forest Resources

- Timber Harvest Trends
- Changes in Forest Land by Acres, Type, and Age Class

Subissue: Public Lands and Open Space

- Acres of Public Lands Purchased/Managed for Preservation or Conservation

Subissue: Soil Resources

- Acreage Tilled Under Best Management Practices

Subissue: Water Recreation

- Percentage of Waters That Meet Swimmable or Recreational Designated Use