

Local Authority:	Environment Waikato
Report Name:	Waikato State of the Environment Report & Environmental Indicators for the Waikato Region.
Report Date:	1998; environmental indicator information updated regularly.
General Approach:	<p>Report: baseline information and commentary on the state of air, land and soil, geothermal, freshwater and coastal resources of the Waikato Region, the pressures upon these resources, and the responses by EW; Integrated Ecosystem Approach; PSR framework; Case Studies.</p> <p>Indicators: evolved from baseline information collated for the SoE Report. For each indicator there are: Key Points; Report Card; Technical Information (metadata); Data.</p>
Topics:	<p>Report: Profile (Resources, Community; Maori; Economy); Air; Land and Soil; Geothermal; Freshwater; Coastal.</p> <p>Indicators: Air; Coasts; Community and Economy; Geothermal; Inland Water; Land and Soil; Natural Hazards; Transport Wastes.</p>
Indicators/Information:	<p>Indicators: (note: indicators in <i>italics</i> have yet to come on-stream) Air: <u>Air Quality</u>: Carbon Monoxide; Fine Particles in Air (PM10); Lead; Nitrogen Dioxide; <i>Sulphur Dioxide</i>; <i>Visibility</i>; <i>Emission of Air Pollutants</i>. Coasts: <u>Natural Character and Biodiversity</u>: Extent of Coastal Habitats; <i>Coastline Ownership</i>; <i>Coastal Development</i>; <i>Protected Coastal Areas</i>; <i>Coastal Threatened Species</i>; <i>Introduced Species to Our Coast</i>; <i>Coastal Biology</i>. <u>Water Quality</u>: Coastal Water Quality for Contact Recreation; <i>Pollutants in Shellfish and Sediments</i>; <i>Coastal Water Quality for Shellfish Harvest</i>; <i>Coastal Algal Blooms</i>; <i>Estuary Infilling</i>. Community and Economy: <u>Economy and Resource Use</u>: <i>Employment by Sectors</i>; <i>Educational Qualifications</i>; <i>Regional Economic Growth</i>; <i>Household Income</i>; <i>Total Energy Consumption</i>; <i>Resource Consents Issued</i>; <i>Water Use</i>; <i>Unemployment Rate</i>. <u>Community Participation</u>: <i>Pollution Incidents</i>; <i>Landcare Groups</i>; <i>Enquiries Received</i>. <u>Communities and their Views</u>: People's: Satisfaction with the Environment; Environmental Concerns/Attitudes; Attitudes to Environmental Regulations; Environmental Knowledge; Public Environmental Actions; Personal Environmental Actions; <i>Population Growth and Structure</i>; <i>Urban Density</i>. <u>Sustainability</u>: Regional Ecological Footprint; <i>Energy Use Relative to Economic Growth</i>; <i>Green GDP</i>; <i>Consumption Patterns</i>; <i>Efficient Use of Resources</i>; <i>Total Material Required in the Economy</i>; <i>Spending on Environment (public, government, business)</i>. Geothermal: <u>Geothermal Resources</u>: Geysers and Sinter Springs; Visitor Numbers to Geothermal Areas; <i>Chemistry of Geothermal Features</i>; <i>Geothermal Energy and Water Resources</i>. <u>Geothermal Use</u>: <i>Geothermal Economic Returns</i>. Inland Water: <u>Biodiversity</u>: <i>Occurrence of Aquatic Indicator Species</i>. <u>Ground Water</u>: Ground Water Well Construction; Nitrate in Ground Water; <i>Ground Water Levels</i>; <i>Pesticides in Ground Water</i>; <i>Bacteria in Ground Water</i>; <i>Chemical Ground Water Quality</i>; <i>Seawater Contamination of Ground Water</i>. <u>Lakes</u>: Peat Lake Water Levels; Lake Taupo's Water Quality; <i>Lake Water Clarity</i>; <i>Lake Water Oxygen Depletion</i>; <i>Lake Water Quality for Recreation</i>; <i>Nutrient Enrichment of Shallow Lakes</i>; <i>Lake Margin Health</i>; <i>Aquatic Pests in Lakes</i>. <u>Rivers and Streams</u>: River Water Quality; River Biology; Nitrogen Losses from land; Sources of Nutrients in Rivers; River Water Quality for Contact Recreation; <i>Controlled Flows in Rivers</i>; <i>Average and Extreme Flows in Rivers</i>; <i>Sediment in Rivers and Streams</i>; <i>Pollutants in River Sediments and Fish</i>. <u>Wetlands</u>: Extent of Wetlands; <i>Condition of Wetlands</i>; <i>Wetland Modification Consents</i>; <i>Protected Wetland Areas</i>. Land and Soil: <u>Biodiversity</u>: Extent of Native Vegetation; <i>Fragmentation of Native Vegetation</i>; <i>Animal and Plant Pests</i>; <i>Pest Operations in Natural Areas</i>; <i>Protected Native Vegetation Areas</i>; <i>Native Vegetation Removal Consents</i>. <u>Land</u>:</p>

	<p>Land Use; Stock Density; <i>Land Use Suitability</i>; <i>Stream Bank Vegetation</i>; <i>Stock Access to Streams</i>; <i>Effects of Land Use Change on Groundwater</i>; <i>Land Use in Lake Catchments</i>; <i>Urban Land Use</i>; <i>River Margin Health</i>. Soil: Soil Quality; <i>Soil Loss by Erosion</i>; <i>Fertiliser Use</i>; <i>Pesticide Use</i>. Natural Hazards: <u>Hazards (general)</u>: Natural Hazards Awareness and Readiness; <i>Damage from Natural Hazards Events</i>; <i>Risk from Natural Hazards</i>; <i>Effectiveness of Risk Mitigation</i>. <u>Coastal Hazards</u>: <i>Shoreline Protection Structures</i>; <i>Coastal Developments at Risk</i>; <i>Beach Erosion</i>. Transport: <u>Transportation</u>: <i>Transport to Work</i>; <i>Road Congestion</i>; <i>Vehicle Fleet Composition</i>; <i>Total Vehicle Kilometres</i>; <i>Public Transport Use (Bus)</i>; <i>Total Freight Transported</i>. <u>Transport Contaminants</u>: <i>Treatment of Road Stormwater</i>; <i>Emissions from Transport Sectors</i>. Wastes: <u>Hazardous Substances</u>: <i>Hazardous Substance Levels in the Environment</i>; <i>Contaminated Sites</i>; <i>Hazardous Substances Used</i>; <i>Industry Practices</i>; <i>Incidents Involving Hazardous Substances</i>; <i>Hazardous Substances Discharged into the Environment</i>; <i>Agrichemical Collection</i>. <u>Solid Waste and Recycling</u>: <i>Waste Generated</i>; <i>Waste Deposited to Disposal Facilities</i>; <i>Waste Composition</i>; <i>Consent Compliance of Waste Facilities</i>; <i>Beach Litter Counts</i>; <i>Composting</i>; <i>Proportion of Recycling (Paper, Glass)</i>.</p>
Notes:	<p>Indicators downloadable at: www.ew.govt.nz . Winner of Green Ribbon Award 2001.</p>