

State of the Environment (SOE) Report Templates

Local Authority:	Nelson City Council
Report Name:	Nelson State of the Environment Report 1999 [Note also - Nelson State of the Environment Report: Land 2000, Nelson State of the Environment Report: Air and Noise 2001, Nelson State of the Environment Report: Fresh water 2002, and Nelson State of the Environment Report: Coast 2003]
Report Date:	1999
General Approach:	Because the Council cannot afford to monitor and report on all issues each year a topic approach has been adopted. In 1999 the system was set up. Every five years a comprehensive SOE report will be prepared. Each year one topic area will be covered. Reports include: <ul style="list-style-type: none"> • 2000 – Land • 2001 – Air and noise • 2002 – Fresh water • 2003 – Coast In 2004 the Council begins the reporting cycle again by reporting on the overall state of Nelson's environment. Reports are targeted to meet Council's information needs. They aim to be strategic and tie reports into council policy development. Project Co-ordinator comments: <ul style="list-style-type: none"> • there is a lot of community interest in this work • it has input from a wide range of people in the council and • it is planned well ahead of time and resourced.
Topics:	Introduction and explanation of reporting approach, the coast, fresh water, land, air, amenity values, development and hazards, tangata whenua.
Indicators/Information:	This first state of the environment report for Nelson City Council set the scene for the development of formal monitoring programmes. There was a review of existing information available on each of the topic areas covered at the time, but no specific monitoring indicators were developed. See the specific topic area state of the environment reports for the indicators.
Notes:	The topic reports (land, air and noise, freshwater and coasts) are downloadable at http://www.nelsoncitycouncil.co.nz/environment/SOE/SOE-main.htm
Contact:	Monitoring Co-ordinator: Paul Sheldon, (03) 546 02000 pmseldon@ncc.govt.nz

Local Authority:	Nelson City Council
Report Name:	Nelson State of the Environment Report: Land 2000
Report Date:	2000
General Approach:	Because the Council cannot afford to monitor and report on all issues each year a topic approach has been adopted. Every five years a comprehensive SOE report will be prepared. Each year one topic area will be covered. In 1999 the system was set up. Reports include: <ul style="list-style-type: none"> • 2000 – Land • 2001 – Air and noise • 2002 – Fresh water • 2003 – Coast In 2004 the Council begins the reporting cycle again by reporting on the overall state of Nelson's environment. Reports are targeted to meet Council's information needs. They aim to be strategic and tie reports into council policy development.
Topics:	2000 Land: Introduction and information about reporting and the relationship with iwi, Tahunanui Beach, land cover, public access, pests, biodiversity, waste.
Indicators/Information:	Tahunanui Beach: number, type and style of developments and

	activities locating within the coastal environment, land cover: land use activities - aerial photography to show changes, degree to which minimum standards and protection of significant areas are maintained, significant townscape features, cultural sites, trees and historic sites and buildings afforded protection, positive protection for significant landscapes natural features, reduction in the incidence of damage to sites of cultural significance, level of physical and legal protection of archaeological and cultural sites, public access: changes in the proportion and length of riparian and coastal margins under formal protection, extent of public access, pests: pest numbers, land use activities, biodiversity: achievement of formal protection of priority areas, changes in the area of significant indigenous vegetation and significant habitats of indigenous fauna where stock are excluded and pests are controlled, restoration of degraded aspects of areas of significant indigenous vegetation and significant habitats of indigenous fauna, waste: reduction in the volume of solid waste per head of population received at the landfill, percentage of reuse, recycling and recovery per head of population, landfill effects.
Notes:	This report is downloadable at http://www.nelsoncitycouncil.co.nz/environment/SOE/SOE-main.htm
Contact:	Monitoring Co-ordinator: Paul Sheldon, (03) 546 02000 pmseldon@ncc.govt.nz

Local Authority:	Nelson City Council
Report Name:	Nelson State of the Environment Report: Air and Noise 2001
Report Date:	2001
General Approach:	Because the Council cannot afford to monitor and report on all issues each year a topic approach has been adopted. Every five years a comprehensive SOE report will be prepared. Each year one topic area will be covered. In 1999 the system was set up. Reports include: <ul style="list-style-type: none"> • 2000 – Land • 2001 – Air and noise • 2002 – Fresh water • 2003 – Coast In 2004 the Council begins the reporting cycle again by reporting on the overall state of Nelson's environment. Reports are targeted to meet Council's information needs. They aim to be strategic and tie reports into council policy development.
Topics:	2001 Air and noise: Air quality monitoring, the sources of air pollution (air emissions inventory), the likely health impacts of the air pollution, port noise, airport noise, changes in traffic noise levels alongside Main Road Stoke and Whakatu Drive.
Indicators/Information:	Complaints for noise and air pollution: level of noise complaints from residents around airport, consistent approach to applications, level of noise complaints from residents around the port, changes in ambient noise levels and other environmental effects at selected locations, complaints about adverse effects; Air quality: CO, NO ₂ , PM ₁₀ , Benzene, air emissions inventory for suspended particulates, carbon monoxide, nitrogen oxides, sulphur oxides, volatile organic compounds, carbon dioxide, benzene, PM _{2.5} , value of health impacts in relation to PM ₁₀ ; Noise: 5-day noise summary in dBA at the Port, airport noise report Ldn (dBA) three month rolling average; traffic noise – dBA using Leg measurement criteria
Notes:	This report is downloadable at http://www.nelsoncitycouncil.co.nz/environment/SOE/SOE-main.htm
Contact:	Monitoring Co-ordinator: Paul Sheldon, (03) 546 02000 pmseldon@ncc.govt.nz

Local Authority:	Nelson City Council
Report Name:	Nelson State of the Environment Report: Fresh water 2002
Report Date:	2002
General Approach:	<p>Because the Council cannot afford to monitor and report on all issues each year a topic approach has been adopted. Every five years a comprehensive SOE report will be prepared. Each year one topic area will be covered. In 1999 the system was set up. Reports include:</p> <ul style="list-style-type: none"> • 2000 – Land • 2001 – Air and noise • 2002 – Fresh water • 2003 – Coast <p>In 2004 the Council begins the reporting cycle again by reporting on the overall state of Nelson's environment. Reports are targeted to meet Council's information needs. They aim to be strategic and tie reports into council policy development.</p>
Topics:	<p>2002 Fresh water: Report cards on stream health, how safe our waterways are for swimming and other recreational activities, flow levels in the Maitai River and effects on aquatic habitats, contamination levels of river and stream sediments, barriers to fish passage, river flow levels, groundwater levels and flows.</p>
Indicators/Information:	<p>Water quality: bed and banks indexes, water temperature, pH, conductivity, dissolved oxygen, nutrients (nitrate phosphate), water clarity (turbidity, visual clarity, total suspended solids), indicator bacteria (<i>E. coli</i>), aquatic animals (macroinvertebrates such as mayflies, worms and snails), slime growth (periphyton); Recreational water monitoring: Guideline values for <i>E. coli</i> and enterococci; River habitat and flows: natural flow over time (assessed from historical records), hydraulic geometry of the river (width, depth and velocity), local and traditional knowledge of flows, IFIM (Instream Flow Incremental Methodology) to assess relationship between changes in flow and ecological indicators (trout and native fish); Contamination of sediments: SVOC's and metals; Fish passage; Flow monitoring: mean or average flow, median flow, mean annual low flow, 5 year low flow, 10 year low flow; Groundwater levels and flows.</p>
Notes:	<p>The report is downloadable at http://www.nelsoncitycouncil.co.nz/environment/SOE/SOE-main.htm</p>
Contact:	<p>Monitoring Co-ordinator: Paul Sheldon, (03) 546 02000 pmseldon@ncc.govt.nz</p>

Local Authority:	Nelson City Council
Report Name:	Nelson State of the Environment Report: Coast 2003
Report Date:	2003
General Approach:	<p>Because the Council cannot afford to monitor and report on all issues each year a topic approach has been adopted. Every five years a comprehensive SOE report will be prepared. Each year one topic area will be covered. In 1999 the system was set up. Reports include:</p> <ul style="list-style-type: none"> • 2000 – Land • 2001 – Air and noise • 2002 – Fresh water • 2003 – Coast <p>In 2004 the Council begins the reporting cycle again by reporting on the overall state of Nelson's environment. Reports are targeted to meet Council's information needs. They aim to be strategic and tie reports into council policy development.</p>
Topics:	<p>2003 Coast: report cards on coastal management issues, working on developing iwi based indicators, how safe our beaches are for swimming and other recreational activities, investigation of vegetation and substrate in the Waimea Inlet area, contamination levels of Nelson</p>

	Haven and Port sediments, erosion and deposition at Tahunanui Beach, marine protected areas, aquaculture management areas, relevant regional policy statement objectives, policies and performance indicators, future environmental monitoring programme.
Indicators/Information:	Recreational water quality: microbiological quality (enterococci and <i>E.coli</i>); Waimea Inlet: vegetation mapping, source of contamination mapping and substrate mapping to establish a baseline survey, Tahunanui Beach: measure changes in level over time – beach profiles/sections to determine accumulation and erosion; Nelson Haven: chemical tests (metals SVOC's), toxicity testing of sediments using key species, biocide survey, invasive presence and absence, extent of Marine Protected Areas and likely future developments, Snap shot of Aquaculture Management Areas.
Notes:	This report is downloadable at http://www.nelsoncitycouncil.co.nz/environment/SOE/SOE-main.htm
Contact:	Monitoring Co-ordinator: Paul Sheldon, (03) 546 02000 pmseldon@ncc.govt.nz