

**NSW Natural Resources Data Framework
Classification Reviews**

Draft

Version 1.2

TABLE OF CONTENTS

1.1	ANZECC Core Environmental Indicators	3
1.2	ANZLIC Metadata Guidelines	4
1.3	CANRI web site.....	5
1.4	EPA SoE Web site terms	6
1.5	GSDI.....	9
1.6	Local Government SoE reporting Guidelines.....	11
1.7	Manly Environmental Centre	12
1.8	Natural Resource Management Ministerial Committee Framework _ national level Indicators	21
1.9	NLWRA Australian Natural Resource Atlas.....	23
1.10	NSW Catchment Management Blueprints	26
1.11	NSW EPA SoE Chapter headings 2003.....	27
1.12	Service NSW web site.....	32

This appendix lists the candidate classification reviewed. For each classification the candidate classes are listed along with the corresponding Group and TopicCategory from the proposed classification. A well-formed mapping will have the following characteristics:

- Each class maps has a class in the proposed classification even if a different name.
- A similar level of classification – thus if Agriculture is the first level in a classification it should be a first, or at worst second level in the proposed classification, and
- All the terms classified under one class in the classification should map to one class in the proposed classification.

1.1 ANZECC Core Environmental Indicators

Theme	Issue	TopicCategory	TopTerm
Atmosphere	climate variability	Atmosphere	climate
Atmosphere	enhanced greenhouse effect	Atmosphere	effect
Atmosphere	concentration of ozone depleting substances	Atmosphere	effect
Atmosphere	stratospheric ozone	Atmosphere	effect
Atmosphere	stratospheric ozone	Atmosphere	effect
Atmosphere	outdoor air quality	Environment	environmental assessment
Biodiversity	threatening processes	Biota	biosphere
Biodiversity	loss of biodiversity	Biota	biosphere
Biodiversity	biodiversity conservation management	Biota Environment	biosphere land
Land	land use management	Environment	land
Land	erosion	Environment	land
Land	salinity	Environment	effect
Land	acidity	Environment	effect
Land	contamination	Environment	pollution
Inland waters	groundwater	Inland water	hydrosphere
Inland waters	surface water	Inland water	hydrosphere
Inland waters	aquatic habitats	Inland water	hydrosphere

Theme	Issue	TopicCategory	TopTerm
Estuarine and Sea	marine habitat and biological resources	Biota Geoscientific Information Oceans	biosphere science hydrosphere
Estuarine and Sea	estuarine and marine water quality	Environment	Environmental assessment
Estuarine and Sea	global processes	Oceans	hydrosphere
Human settlements	energy	Utilities	energy services
Human settlements	transport	Transportation	transportation
Human settlements	waste	Environment	waste
Human settlements	community attitudes and actions	Society	society

1.2 ANZLIC Metadata Guidelines

Theme	TopicCategory	Top Term
AGRICULTURE	Farming	agriculture
ATMOSPHERE	Atmosphere	atmosphere
BOUNDARIES	Environment	land
CLIMATE AND WEATHER	Atmosphere	climate
DEMOGRAPHY	Society	demography
DISEASE	Health	disease
ECOLOGY	Biota	biosphere
ENERGY	Utilities	energy
FAUNA	Biota	biosphere
FISHERIES	Biota Farming	biosphere fisheries
FLORA	Biota	biosphere
FORESTS	Farming	forestry

Theme	TopicCategory	Top Term
GEOSCIENCES	Geoscientific Information	science
HAZARDS	Health	hazard
HEALTH	Health	health
HERITAGE	No matching classification	
HERITAGE Architectural	Structure	built environment
HUMAN ENVIRONMENT	Society	
INDUSTRY	Economy	industry
LAND	Environment	land
MARINE	Oceans	hydrosphere
MINERALS	Geoscientific information	science
MOLECULAR BIOLOGY	Biota	biosphere
OCEANOGRAPHY	Oceans	hydrosphere
PHOTOGRAPHY AND IMAGERY	Imagery	border
POLLUTION	Environment	pollution
SOIL	Geoscientific information	pedosphere
TRANSPORTATION	Transportation	transportation
UTILITIES	Utilities	energy
VEGETATION	Biota	biosphere
WASTE	Environment	waste
WATER	Inland Waters	hydrosphere

1.3 CANRI web site

Theme	TopicCategory	Top Term
Air	Atmosphere	air

Theme	TopicCategory	Top Term
Flora and Fauna	Biota	biosphere
	Farming	agriculture
	Farming	forestry
Land	Environment	land
Natural Resources and Environment	Environment	environment
	Geoscientific Information	lithosphere
	Geoscientific Information	pedosphere
	Economy	resource utilisation
Vegetation	Biota	biosphere
	Geoscientific Information	science
Water	Inland Waters	hydrosphere

1.4 EPA SoE Web site terms

Theme	Indicator	TopicCategory	Top Term
Environmental sustainability	Key Physical Determinants – climate variability	Atmosphere	climate
Environmental sustainability	Key Physical Determinants – climate trends	Atmosphere	climate
Environmental sustainability	Key Physical Determinants – southern oscillation index	Atmosphere	climate
Environmental sustainability	Key Physical Determinants –extreme weather	Atmosphere	climate
Environmental sustainability	Key Physical Determinants – climate trends	Atmosphere	climate
Environmental sustainability	Key Human Environment Determinants – population	Society	demography
Environmental sustainability	Key Human Environment Determinants – visitors impact	Environment	Environmental impact
Environmental sustainability	Key Human Environment Determinants – consumption patterns	Society	society
Environmental sustainability	Key Human Environment Determinants – ecological footprint	Biota	biosphere
		Geoscientific	science

Theme	Indicator	TopicCategory	Top Term
		Information	
Environmental sustainability	Key Human Environment Determinants – environmental sustainability index	Environment	Environmental policy
Environmental sustainability	Intergovernmental cooperation	Environment	Environmental policy
Environmental sustainability	Integrated planning	Environment	Environmental policy
Environmental sustainability	Resource pricing	Environment	Environmental management
Environmental sustainability	Emissions trading	Environment	Environmental policy
Environmental sustainability	Green products	No matching classification	
Environmental sustainability	Financial services	No matching classification	
Environmental sustainability	Award schemes	No matching classification	
Environmental sustainability	Public environmental reports	Environment	Environmental assessment
Environmental sustainability	Community participation	Society	Environmental awareness
Environmental sustainability	Community attitudes	Society	Environmental awareness
Environmental sustainability	Environmental education	Society	Environmental awareness
Human settlement	Population patterns	Society	demography
Human settlement	Settlement patterns	Society	demography
Human settlement	Population distribution	Society	demography
Human settlement	Residential density	Society	demography
Human settlement	Land use management	Environment	land
Human settlement	Land use planning	Environment	land
Human settlement	Urban development	Environment	land
Human settlement	Local government activities	No matching classification	
Human settlement	Drinking water quality	Environment	Environmental assessment
Human settlement	Drinking water catchment		
Human settlement	Energy sources	Utilities	Energy

Theme	Indicator	TopicCategory	Top Term
Human settlement	Energy use	Utilities	Energy
Human settlement	Energy demand	Utilities	Energy
Human settlement	Energy production	Utilities	Energy
Human settlement	Energy consumption	Utilities	Energy
Human settlement	Sustainable energy development	Utilities	Energy
Human settlement	Energy smart homes	Utilities	Energy
Human settlement	Government energy management policy	Environment	Environmental management
Human settlement	Transport	Transportation	transportation
Human settlement	Transport mode	Transportation	Transportation mean
Human settlement	Public transport	Transportation	Transportation mean
Human settlement	Fuel consumption	Utilities	energy
Human settlement	Metropolitan transport	Transportation	transportation
Human settlement	Transport planning	Environment	Environmental planning
Human settlement	Integrated land use	Environment	land
Human settlement	Rail freight	Transportation	transport
Human settlement	Waste management	Environment	Environmental management
Human settlement	Solid waste disposal	Environment	overburden
Human settlement	Solid waste recycling	Environment	overburden
Human settlement	Industry waste reduction plans	Environment	overburden
Human settlement	Green waste	No matching classification	
Human settlement	Construction and demolition waste	Environment	waste
Human settlement	Commercial and industrial waste	Environment	waste
Human settlement	National packaging covenant	No matching classification	
Human settlement	Waste funding	No matching classification	
Human settlement	Waste education	Society	Environmental awareness

Theme	Indicator	TopicCategory	Top Term
Human settlement	Waste reduction	Environment	overburden
Human settlement	Hazardous waste	Environment	waste
Human settlement	Illegal waste dumping	Environment	overburden
Human settlement	Organic wastes	Environment	waste
Human settlement	Cleaner production	No matching classification	
Human settlement	Litter act implementation	Planning	policy
Atmosphere	Stratospheric ozone depletion	Atmosphere	effect
Atmosphere	Stratospheric ozone concentration	Atmosphere	atmosphere
Atmosphere	Ozone depleting substances	Atmosphere	atmosphere
Atmosphere	Greenhouse effect	Environmental	effect
Atmosphere	Greenhouse gas emissions	Environment	waste
Atmosphere	Atmospheric concentrations of greenhouse gases	Environment	waste
Atmosphere	Greenhouse effect - Energy response	No matching classification	
Land		Environment	land
Water		Inland Waters	hydrosphere
		Oceans	hydrosphere
Biodiversity		Biota	Biosphere
		Geoscientific Information	science

1.5 GSDI

Theme	TopicCategory	Top Term
Administrative and Political Boundaries	Imagery	border
Agriculture and Farming	Farming	agriculture

Theme	TopicCategory	Top Term
Atmospheric and Climatic Data	Atmosphere	atmosphere
	Atmosphere	climate
Base Maps, Scanned Maps, and Charts	Imagery	border
Biologic and Ecologic Information	Biota	biosphere
Business and Economic Information	Economy	economy
Cadastral and Legal Land Descriptions	Planning	administration
Earth Surface Characteristics & Land Cover	Geoscientific Information	lithosphere
	Geoscientific Information	pedosphere
Elevation and Derived Products	Environment	land
Environmental Monitoring and Modeling	Environment	Environmental assessment
Facilities, Buildings and Structures	Structures	Built environment
Geodetic Networks and Control Points	No matching class	
Geologic and Geophysical Information	Geoscientific information	Geological process
	Geoscientific Information	science
Human Health and Disease	Health	disease
Imagery and Aerial Photographs	Imagery	
Inland Water Resources and Characteristics	Inland Waters	hydrosphere
Ocean and Estuarine Resources and Characteristics	Oceans	hydrosphere

Theme	TopicCategory	Top Term
	Inland waters	hydrosphere
Society, Cultural and Demographic Information	Society	culture
	Society	demography
Tourism and Recreation	Economy	tourism
	Economy	recreation
Transportation Networks and Models	Transportation	transportation
Utility Distribution Networks	Structures	built environment

1.6 Local Government SoE reporting Guidelines

Theme	Indicator	TopicCategory	Top Term
Land	number of EPA licences	No matching class(administration)	
Land	area burnt by bushfires	Health	disaster
Land	new road construction	Structure	built structure
Air	vehicle kilometres travelled	Transportation	traffic
Air	method of travel to work	Transportation	traffic
Air	regional pollution index	Environment	pollutant
Air	number of EPA air licences	No matching class (administration)	
Air	Extent of bicycle lanes, cycleways	Transportation	transportation
Water	drinking water	No matching class	
Water freshwater and estuarine		Inland waters	hydrosphere
		Oceans	hydrosphere
Water	marine	Oceans	hydrosphere
Water	groundwater	Inland Water	hydrosphere
biodiversity	extent of terrestrial or marine protected areas	Environment	land

Theme	Indicator	TopicCategory	Top Term
biodiversity	location of viable remnant vegetation	Biota	biosphere
		Geoscientific Information	science
biodiversity	actions to conserve specific threatened flora and fauna species	Environment	environment protection
biodiversity	action to minimise impact of declared feral animals	No matching class	
biodiversity	actions to minimise impact of declared noxious weeds	Biota	biosphere
biodiversity	area of native vegetation	Biota	biosphere
biodiversity	area of voluntary conservation agreements	Environment	environmental policy
waste	total waste disposed	Environment	waste
waste	total waste to landfill	Environment	overburden
waste	total waste recycled	Environment	waste
waste	components of domestic waste	Environment	waste
waste	proportion of total waste by source	No matching class (administration)	
waste	capacity of waste landfill sites	Environment	overburden
noise	number of EPA noise licences	Environment	overburden
aboriginal heritage	number of aboriginal sites	Society	culture
non-aboriginal heritage	heritage sites	Society	culture
non-aboriginal heritage	buildings lost/added to heritage inventory	Society	culture

1.7 Manly Environmental Centre

Theme	Sub-theme	TopicCategory	Top Term
GREEN BUSINESS (Purple Section)	Building Design	Structure	built environment
GREEN BUSINESS (Purple Section)	Computer Networks	Society	information
GREEN BUSINESS (Purple Section)	Design	Economy	industrial process
GREEN BUSINESS (Purple Section)	Energy	Utilities/Communicati	energy

Theme	Sub-theme	TopicCategory	Top Term
		on	
GREEN BUSINESS (Purple Section)	Law	Class not included	
GREEN BUSINESS (Purple Section)	Magazine Rack	No matching class	
GREEN BUSINESS (Purple Section)	Management		management
GREEN BUSINESS (Purple Section)	Olympics	No matching class	
GREEN BUSINESS (Purple Section)	Recycling	Environment	overburden
GREEN BUSINESS (Purple Section)	Recycling	Environment	waste
GREEN BUSINESS (Purple Section)	Service Stations	Structure	built environment
GREEN BUSINESS (Purple Section)	Water	Environment	environmental impact
GREENHOUSE (Yellow section)	Air	Climatology/Meteorology/Atmosphere	atmosphere
GREENHOUSE (Yellow section)	Alternatives	Class not understood	
GREENHOUSE (Yellow section)	Appliances	No matching class	
GREENHOUSE (Yellow section)	Chemicals	Class not included	
GREENHOUSE (Yellow section)	Energy Efficient	Utilities/Communication	energy
GREENHOUSE (Yellow section)	Greenhouse	Biota	effect
GREENHOUSE (Yellow section)	Health	Health	health
GREENHOUSE (Yellow section)	Incineration	Economy	industrial process
GREENHOUSE (Yellow section)	Magazine Rack	No matching class	
GREENHOUSE (Yellow section)	Noise	Geoscientific Information	science
GREENHOUSE (Yellow section)	Nuclear	Utilities/Communication	energy
GREENHOUSE (Yellow section)	Transport	Transportation	transportation
LOAN COPIES (Bright yellow section)	Air/Chemical	Environment	pollutant
LOAN COPIES (Bright yellow section)	Biodiversity	Biota	biosphere
LOAN COPIES (Bright yellow section)	Biodiversity	Geoscientific Information	science
LOAN COPIES (Bright yellow section)	Energy	Utilities/Communication	energy

Theme	Sub-theme	TopicCategory	Top Term
		on	
LOAN COPIES (Bright yellow section)	Environment	Environment	environment
LOAN COPIES (Bright yellow section)	Forest/Bush	Environment	land
LOAN COPIES (Bright yellow section)	Heritage/Biodiversity	Biota	biosphere
LOAN COPIES (Bright yellow section)	Heritage/Biodiversity	Geoscientific Information	science
LOAN COPIES (Bright yellow section)	Kids (Waste/Enviro/Forest/Bush)	Environment	waste
LOAN COPIES (Bright yellow section)	Kids (Waste/Enviro/Forest/Bush)	Farming	forestry
LOAN COPIES (Bright yellow section)	Kids (Waste/Enviro/Forest/Bush)	Biota	biosphere
LOAN COPIES (Bright yellow section)	Kids (Water Management)	Environment	environmental management
LOAN COPIES (Bright yellow section)	Management/Strategy/Policy	Class not included	
LOAN COPIES (Bright yellow section)	MEC Info	No matching class	
LOAN COPIES (Bright yellow section)	Photos	Society	information
LOAN COPIES (Bright yellow section)	SOE	Environment	environmental assessment
LOAN COPIES (Bright yellow section)	Urban Development	Planning/Cadastre	land setup
LOAN COPIES (Bright yellow section)	Videos	Society	information
LOAN COPIES (Bright yellow section)	Waste/Packaging/Co	Environment	waste
		Packaging class not included	
LOAN COPIES (Bright yellow section)	Waste/Recycling		
NATURAL ENVIRONMENT (Green section)	Australian Plant Folder		
NATURAL ENVIRONMENT (Green section)	Biodiversity	Biota	biosphere
NATURAL ENVIRONMENT (Green section)	Biodiversity	Geoscientific Information	science
NATURAL ENVIRONMENT (Green section)	Bush	Environment	land
NATURAL ENVIRONMENT (Green section)	Environment	Environment	environment

Theme	Sub-theme	TopicCategory	Top Term
NATURAL ENVIRONMENT (Green section)	Forests	Environment	land
NATURAL ENVIRONMENT (Green section)	Heritage	Society	culture (society)
NATURAL ENVIRONMENT (Green section)	Magazine Rack		
NATURAL ENVIRONMENT (Green section)	National Parks	Environment	land
NATURAL ENVIRONMENT (Green section)	Native Plants Folder		
NATURAL ENVIRONMENT (Green section)	Population	Society	demography
PREVENT WASTE (Yellow Section)	Composting	Environment	agriculture
PREVENT WASTE (Yellow Section)	Disposable Nappies		
PREVENT WASTE (Yellow Section)	Glass		product
PREVENT WASTE (Yellow Section)	L.E.T.S		
PREVENT WASTE (Yellow Section)	Landcare	Environment	environmental protection
PREVENT WASTE (Yellow Section)	Landfill	Planning/Cadastre	land setup
PREVENT WASTE (Yellow Section)	Magazine Rack		
PREVENT WASTE (Yellow Section)	Metal Packaging (Festivals)		product
PREVENT WASTE (Yellow Section)	Paper		product
PREVENT WASTE (Yellow Section)	Permaculture (Comm Gardens)		
PREVENT WASTE (Yellow Section)	Plastic Statistics & Projects		product
PREVENT WASTE (Yellow Section)	Waste Campaigns	Environment	environmental management
REFERENCE FOLDERS (Behind Desk)	Bandicoots - General		
REFERENCE FOLDERS (Behind Desk)	Bandicoots - Thesis/Reports		
REFERENCE FOLDERS (Behind Desk)	BMP's for Golf Courses		
REFERENCE FOLDERS (Behind Desk)	Books		
REFERENCE FOLDERS (Behind Desk)	Bush Regeneration	Farming	forestry
REFERENCE FOLDERS (Behind Desk)	Bush Resources	Economy	resource

Theme	Sub-theme	TopicCategory	Top Term
REFERENCE FOLDERS (Behind Desk)	Cabbage Tree Bay		
REFERENCE FOLDERS (Behind Desk)	Cat facts		
REFERENCE FOLDERS (Behind Desk)	Catchment Management Resources		
REFERENCE FOLDERS (Behind Desk)	Catholic Church Submission		
REFERENCE FOLDERS (Behind Desk)	Community Potential		
REFERENCE FOLDERS (Behind Desk)	Contacts Dandenong\CDP Waterways		
REFERENCE FOLDERS (Behind Desk)	Education	Society	education
REFERENCE FOLDERS (Behind Desk)	EIS Environmental		
REFERENCE FOLDERS (Behind Desk)	Environmental Statistics	Geoscientific Information	statistics
REFERENCE FOLDERS (Behind Desk)	Fishing	Economy	recreation
REFERENCE FOLDERS (Behind Desk)	Golf Courses	Economy	recreation
REFERENCE FOLDERS (Behind Desk)	Judy's Case Files		
REFERENCE FOLDERS (Behind Desk)	KCC - Ocean Care Day		
REFERENCE FOLDERS (Behind Desk)	Kids Companies & Creeks (kcc) - 1995		
REFERENCE FOLDERS (Behind Desk)	Listings of Manly Reports		
REFERENCE FOLDERS (Behind Desk)	Lists of BA's and DA's Submitted to Council		
REFERENCE FOLDERS (Behind Desk)	Manly Beachfront and Pines		
REFERENCE FOLDERS (Behind Desk)	Manly Dam and Wakehurst		
REFERENCE FOLDERS (Behind Desk)	Manly Flora/Fauna - Manly Maps		
REFERENCE FOLDERS (Behind Desk)	Manly Flora/Fauna - Species Lists		
REFERENCE FOLDERS (Behind Desk)	Manly Terrestrial Flora/Fauna Reports		
REFERENCE FOLDERS (Behind Desk)	Manly Wharf		
REFERENCE FOLDERS (Behind Desk)	Manly Wildlife Info Sheets		
REFERENCE FOLDERS (Behind Desk)	Marinas MEC Move (1991-1997)		
REFERENCE FOLDERS (Behind Desk)	MEC Records		
REFERENCE FOLDERS (Behind Desk)	North Head Issues		
REFERENCE FOLDERS (Behind Desk)	North Head Planning Strategies		
REFERENCE FOLDERS (Behind Desk)	North Head S-22 Planning Strategies		
REFERENCE FOLDERS (Behind Desk)	Northside Storage Tunnel		

Theme	Sub-theme	TopicCategory	Top Term
REFERENCE FOLDERS (Behind Desk)	Nuremburg Waste		
REFERENCE FOLDERS (Behind Desk)	Ocean Care Day		
REFERENCE FOLDERS (Behind Desk)	Ocean Care Day 1998		
REFERENCE FOLDERS (Behind Desk)	Packaging File		product
REFERENCE FOLDERS (Behind Desk)	Penguins		
REFERENCE FOLDERS (Behind Desk)	Planning Policies & Legal		law (corpus of rules)
REFERENCE FOLDERS (Behind Desk)	Plastics/CDL		product
REFERENCE FOLDERS (Behind Desk)	Promo/Publicity Contracts		
REFERENCE FOLDERS (Behind Desk)	Publications 1, 2, 3 & 4		
REFERENCE FOLDERS (Behind Desk)	Recycling	Environment	overburden
REFERENCE FOLDERS (Behind Desk)	Recycling	Environment	waste
REFERENCE FOLDERS (Behind Desk)	Recycling - Overseas Recycling - Compost Packs		product
REFERENCE FOLDERS (Behind Desk)	Resource File 2		
REFERENCE FOLDERS (Behind Desk)	Restoring the Reeds		
REFERENCE FOLDERS (Behind Desk)	Sangrado Erosion and Pollution Control		
REFERENCE FOLDERS (Behind Desk)	Schoolroc 2		
REFERENCE FOLDERS (Behind Desk)	Schoolroc 3		
REFERENCE FOLDERS (Behind Desk)	Sustainable Tourism	Economy	tourism
REFERENCE FOLDERS (Behind Desk)	Sustainable Waste		
REFERENCE FOLDERS (Behind Desk)	UNSW - Sustainable Tourism		
REFERENCE FOLDERS (Behind Desk)	Waste Avoidance	Environment	overburden
REFERENCE FOLDERS (Behind Desk)	Waste Management Innovation	Environment	environmental management
REFERENCE FOLDERS (Behind Desk)	Waterwatch		
SUSTAINABLE MANAGEMENT (Red section)	Air Audits/Surveys/Trials	Environment	environmental assessment
SUSTAINABLE MANAGEMENT (Red section)	Biodiversity	Biota	biosphere
SUSTAINABLE MANAGEMENT (Red section)	Biodiversity	Geoscientific Information	science
SUSTAINABLE MANAGEMENT (Red section)	Chemicals/Hazardous	Environment	pollution

Theme	Sub-theme	TopicCategory	Top Term
section)			
SUSTAINABLE MANAGEMENT (Red section)	Composting	Environment	agriculture
SUSTAINABLE MANAGEMENT (Red section)	Conservation Strategies	Environment	environmental protection
SUSTAINABLE MANAGEMENT (Red section)	ESD		
SUSTAINABLE MANAGEMENT (Red section)	General Management Strategies	Geoscientific Information	science
SUSTAINABLE MANAGEMENT (Red section)	Greenhouse	Biota	effect
SUSTAINABLE MANAGEMENT (Red section)	Heritage	Society	culture (society)
SUSTAINABLE MANAGEMENT (Red section)	Manly Management Plans		
SUSTAINABLE MANAGEMENT (Red section)	Olympics		
SUSTAINABLE MANAGEMENT (Red section)	Packaging/Litter	Environment	waste
SUSTAINABLE MANAGEMENT (Red section)	Recycling	Environment	overburden
SUSTAINABLE MANAGEMENT (Red section)	Recycling	Environment	waste
SUSTAINABLE MANAGEMENT (Red section)	Renewable Energy	Utilities/Communication	energy
SUSTAINABLE MANAGEMENT (Red section)	Right To Know & Community Participation	Society	society
SUSTAINABLE MANAGEMENT (Red section)	SOE Reports	Geoscientific Information	environmental data
SUSTAINABLE MANAGEMENT (Red section)	Transport Waste Policies/Plans/Strategies	Transportation	transportation

Theme	Sub-theme	TopicCategory	Top Term
SUSTAINABLE MANAGEMENT (Red section)	Waste	Environment	waste
TEACHING RESOURCES (Pink Section)	Activity Sheets		
TEACHING RESOURCES (Pink Section)	Biodiversity	Biota	biosphere
TEACHING RESOURCES (Pink Section)	Biodiversity	Geoscientific Information	science
TEACHING RESOURCES (Pink Section)	Bush	Environment	land
TEACHING RESOURCES (Pink Section)	Composting	Environment	agriculture
TEACHING RESOURCES (Pink Section)	Energy	Utilities/Communication	energy
TEACHING RESOURCES (Pink Section)	General Environment	Society	education
TEACHING RESOURCES (Pink Section)	Greenhouse	Biota	effect
TEACHING RESOURCES (Pink Section)	Landcare	Environment	environmental management
TEACHING RESOURCES (Pink Section)	Local Studies		
TEACHING RESOURCES (Pink Section)	Magazine Rack		
TEACHING RESOURCES (Pink Section)	Waste Reduction	Environment	overburden
TEACHING RESOURCES (Pink Section)	Water	Inland Waters	hydrosphere
WATER (White section)	Algae	Biota	biosphere
WATER (White section)	Beachwatch (Harbour Watch, Sydney Harbour)		
WATER (White section)	Catchment Strategies	Environment	environmental protection
WATER (White section)	Coastal Atlas	Society	information
WATER (White section)	Conserving Water Strategies	Environment	environmental protection
WATER (White section)	Erosion Control and Stormwater Treatment Technologies	Environment	environmental control
WATER (White section)	Fisheries Guidelines and Policies	Planning/Cadastre	policy
WATER (White section)	Guidelines & Design Criteria	Environment	environmental management
WATER (White section)	Hawkesbury-Nepean		
WATER (White section)	Litter in the Ocean (Reports)	Environment	waste
WATER (White section)	Mangroves	Biota	biosphere
WATER (White section)	Manly Lagoon		

Theme	Sub-theme	TopicCategory	Top Term
WATER (White section)	Marine Parks	Environment	land
WATER (White section)	Northern Beaches		
WATER (White section)	Ocean Policies		
WATER (White section)	Policies		
WATER (White section)	Reef	Environment	land
WATER (White section)	Research	Geoscientific Information	research
WATER (White section)	Rivers	Inland Waters	hydrosphere
WATER (White section)	Rouse Hill		
WATER (White section)	Student Works		
WATER (White section)	Sydney Sewerage & Ocean Outfall		
WATER (White section)	Sydney's Water System		
WATER (White section)	Trade Waste Water Conservation		
WATER (White section)	Urban Stormwater Management		
WATER (White section)	Wetlands	Environment	land
WATER-CATCHMENTS (Blue section)	Community Education	Environment	environmental protection
WATER-CATCHMENTS (Blue section)	Lagoons	Environment	land
WATER-CATCHMENTS (Blue section)	Local		
WATER-CATCHMENTS (Blue section)	Magazine Rack		
WATER-CATCHMENTS (Blue section)	Nutrients and Algae	Biota	biosphere
WATER-CATCHMENTS (Blue section)	Rivers	Inland Waters	hydrosphere
WATER-CATCHMENTS (Blue section)	Total Catchment Management	Structure	built environment
WATER-CATCHMENTS (Blue section)	Wetlands	Environment	land
WATER-OCEANS (Blue section)	Aquatic Critters	Biota	biosphere
WATER-OCEANS (Blue section)	Coastal	Environment	land
WATER-OCEANS (Blue section)	Magazine Rack		
WATER-OCEANS (Blue section)	Marine Ecology	Geoscientific Information	science
WATER-OCEANS (Blue section)	Saving Water	Environment	environmental management
WATER-OCEANS (Blue section)	Saving Water	Society	society

Theme	Sub-theme	TopicCategory	Top Term
WATER-OCEANS (Blue section)	Sewerage	Structure	built environment
WATER-OCEANS (Blue section)	Sydney Sewerage System		
WHAT CAN YOU DO (Orange Section)	Biodiversity	Biota	biosphere
WHAT CAN YOU DO (Orange Section)	Biodiversity	Geoscientific Information	science
WHAT CAN YOU DO (Orange Section)	Bush/Forests	Environment	land
WHAT CAN YOU DO (Orange Section)	Chemical/Noise/Healthy		chemical
WHAT CAN YOU DO (Orange Section)	Composting	Environment	agriculture
WHAT CAN YOU DO (Orange Section)	Energy	Utilities/Communication	energy
WHAT CAN YOU DO (Orange Section)	Greenhouse	Biota	effect
WHAT CAN YOU DO (Orange Section)	Living Greens		
WHAT CAN YOU DO (Orange Section)	Local Issues		
WHAT CAN YOU DO (Orange Section)	Magazine Rack		
WHAT CAN YOU DO (Orange Section)	Packaging		product
WHAT CAN YOU DO (Orange Section)	Recycling	Environment	overburden
WHAT CAN YOU DO (Orange Section)	Recycling	Environment	waste
WHAT CAN YOU DO (Orange Section)	Transport/Air	Transportation	transportation
WHAT CAN YOU DO (Orange Section)	Water	Inland Waters	hydrosphere
WHAT CAN YOU DO (Orange Section)	Worm Farms	Biota	biosphere

1.8 Natural Resource Management Ministerial Committee Framework _ national level Indicators

Theme	Sub-theme	Extension	TopicCategory	Top Term
Salinity and water quality/flows	area of land threatened by shallow or rising saline water tables		Inland Waters	Hydrosphere
			Environment	Environmental protection
Salinity and water quality/flows	extent of native vegetation		Biota	biosphere

Theme	Sub-theme	Extension	TopicCategory	Top Term
			Geoscientific Information	sciences
Salinity and water quality/flows	surface water salinity		Inland Waters	hydrosphere
Salinity and water quality/flows	sediment/suspended solids		Geoscientific Information	lithosphere
Salinity and water quality/flows	nutrients		Biota	biosphere
			Geoscientific Information	sciences
Salinity and water quality/flows	river health		Environment	Environmental management
Biodiversity	native vegetation	Extent, diversity, condition	Geoscientific Information sciences	
Biodiversity	inland aquatic ecosystems	Extent, diversity, condition	Biota	biosphere
			Geoscientific Information	sciences
Biodiversity	estuarine, coastal and marine habitats	Extent, diversity, condition,	Biota	biosphere
			Geoscientific Information	sciences
Biodiversity	significant native species and ecological communities	Extent, condition	Biota	biosphere
			Geoscientific Information	sciences
Biodiversity	ecologically significant invasive species	Extent, impact, number	Biota	biosphere
Biodiversity	condition of soils		Geoscientific Information	pedosphere
Management action targets	water allocation plans		Economy	Resource utilisation

Theme	Sub-theme	Extension	TopicCategory	Top Term
Management action targets	extent of critical salinity identified and protected from salinity and degrading water quality		Environment	Environmental management
Management action targets	extent of adoption of sustainable land management practices		Environment	Environmental management
Social and economic impacts	socio-economic		Economy	economy
Social and economic impacts	socio-demographic		Economy	economy

1.9 NLWRA Australian Natural Resource Atlas

Theme	Sub-theme	Indicator	TopicCategory	Top Term
Agriculture	changing face		Farming	agriculture
Agriculture	statistics		Farming	agriculture
Agriculture	beef industry		Economy	industry
Agriculture	cotton		Economy	industry
Agriculture	dairy		Economy	industry
Agriculture	grains		Economy	industry
Agriculture	horticulture		Economy	industry
Agriculture	sheep/wool		Economy	industry
Agriculture	sugar		Economy	industry
Coasts	estuary assessment		Geoscientific Information	science
Coasts	estuary condition		Geoscientific Information	science
Coasts	estuary processes		Geoscientific Information	science
Dryland salinity	risk and hazard		Environment	effect
Dryland salinity	groundwater and flow systems		Inland Waters	hydrosphere

Theme	Sub-theme	Indicator	TopicCategory	Top Term
Dryland salinity	impacts and costs		Economy	Environmental economy issue
Dryland salinity	management		Environment	Environmental management
Dryland salinity	monitoring and evaluation		Environment	Environmental management
Dryland salinity	case studies		Environment	Environmental management
Irrigation	extent		Farming	agriculture
Irrigation	production		Farming	agriculture
Irrigation	water consumption		Economy	resource utilisation
Irrigation	infrastructure and distribution		Structures	Built environment
Land	catchment condition		Environment	Environmental management
Land	landuse	change, intensity and diversity	Environment	land
Land	landuse	forestry	Farming	Forestry
Land	landuse	protected areas	Environment	land
Land	landuse	cropping	Farming	agriculture
Land	landuse	irrigation	Farming	agriculture
Land	nutrients	farm gate nutrient balance	Biota	biosphere
			Geoscientific Information	science
Land	landscape	carbon, nutrients, water and productivity	Economy	Resource utilisation
Land	monitoring	land condition	Environment	land
Natural resource economics	economics	in natural resource management	Economy	industry
Natural resource economics	economics	natural resource accounting	Economy	industry
Natural resource economics	economics	returns to agricultural resource base	Economy	industry
Natural resource economics	economics	cost to agriculture from resource degradation	Economy	industry
Natural resource	economics	cost to resource of off	Economy	industry

Theme	Sub-theme	Indicator	TopicCategory	Top Term
economics		farm and downstream		
Natural resource economics	economics	valuing non-market assets	Economy	industry
People	Australians and natural resource management		Society	Environmental awareness
People	individuals and farm management		Economy	industry
People	adjustment	agricultural structure	No matching classification	
People	adjustment	Australian agriculture sector	No matching classification	
People	adjustment	strategies and outcomes	No matching classification	
People	adjustment	future structure of agriculture and catchment communities	No matching classification	
Rangelands	monitoring		No matching classification	
Rangelands	biophysical resource	impacts	No matching classification	
Rangelands	people in rangelands		No matching classification	
Rangelands	institutional response		No matching classification	
Rangelands	project documentation		No matching classification	
Soils	Australian soil resources information system		Geoscientific Information	pedosphere
Soils	erosion and sediment transport		Geoscientific Information	pedosphere
Soils	acidification		Environment	effect
Vegetation and biodiversity	landscape health		Environment	Environmental assessment
Vegetation and biodiversity	landuse and vegetation		Biota	biosphere
Vegetation and	native vegetation	at 1750	Biota	biosphere

Theme	Sub-theme	Indicator	TopicCategory	Top Term
biodiversity Vegetation and biodiversity	native vegetation	current extent	Biota	biosphere
Vegetation and biodiversity	native vegetation change		Biota	biosphere
Vegetation and biodiversity	native vegetation protected areas		Environment	land

1.10 NSW Catchment Management Blueprints

Theme	TopicCategory	Top Term
Extent, distribution and condition of Native Vegetation	Biota	biosphere
	Geoscientific Information	science
Area of dryland salinity	Environment	effect
condition of soil	Geoscientific Information	pedosphere
land management practices	Environment	Environmental management
inland aquatic ecosystems	Biota	biosphere
	Geoscientific Information	science
Surface water salinity	Inland Waters	hydrosphere
Sediment/suspended solids	Geoscientific Information	lithosphere
Nutrients	Biota	biosphere
	Geoscientific Information	science
River health	Environment	Environmental management
Water allocation plans	Economy	Resource utilisation
Critical assets	No matching class	
Significant species and communities	Biota	biosphere
	Geoscientific Information	science

Theme	TopicCategory	Top Term
Invasive species	Biota	biosphere
	Geoscientific Information	science
Coastal, Estuarine and Marine habitat	Biota	biosphere
	Geoscientific Information	science
Reserves/Protected areas	Environment	land
Sustainability of resource industries	Environment	Resource utilisation
Access to natural resources	No matching class (administration)	
Capacity building (landholders/groups)	No matching class	

1.11 NSW EPA SoE Chapter headings 2003

Theme	Sub0theme	Indicator	TopicCategory	Top Term
Toward environmental sustainability	Key determinants	resource consumption	Economy	resource utilisation
Toward environmental sustainability	progressing sustainability	community attitudes	Society	environmental awareness
Human settlement	population and settlement patterns	land use	Environment	land
Human settlement	population and settlement patterns	population distribution	Society	demography
Human settlement	population and settlement patterns	residential development	Planning	Land setup
Human settlement	urban water	urban water consumption	Society	society
Human settlement	urban water	urban water discharge	Structure	built environment
Human settlement	urban water	urban drinking water quality	Environment	environmental assessment
Human settlement	energy	energy sources	Utilities	energy
Human settlement	energy	energy use	Utilities	energy

Theme	Sub0theme	Indicator	TopicCategory	Top Term
Human settlement	transport	vehicle kilometres travelled	Transportation	traffic
Human settlement	transport	mode of transport to work	Transportation	Transportation mean
Human settlement	transport	public transport use	Transportation	transportation
Human settlement	transport	fuel consumption per transport output	Transportation	transportation
Human settlement	waste avoidance	solid waste disposal and recycling	Environment	overburden
Human settlement	Australian heritage	cultural heritage	Society	culture
Human settlement	liveability	noise	Geoscientific Information	science
Human settlement	liveability	odour and dust	No matching class	
Human settlement	liveability	urban greenspaces	Planning	Land setup
Atmosphere	stratospheric ozone depletion	concentration of ozone depleting substances	Atmosphere	effect
Atmosphere	stratospheric ozone depletion	stratospheric ozone concentrations	Atmosphere	atmosphere
Atmosphere	stratospheric ozone depletion	recovery and destruction of ozone depleting substances	Atmosphere	effect
Atmosphere	stratospheric ozone depletion	UV radiation	No matching class	
Atmosphere	climate change	annual greenhouse gas emissions	Environment	waste
Atmosphere	climate change	atmospheric concentrations of greenhouse gas	Environment	waste
Atmosphere	urban air quality	exceedance of carbon monoxide standard	Environment	Environmental assessment
Atmosphere	urban air quality	peak concentrations of ozone	Environment	Environmental assessment
Atmosphere	urban air quality	exceedance of lead standard	Environment	Environmental assessment
Atmosphere	urban air quality	peak concentrations of	Environment	Environmental assessment

Theme	Sub0theme	Indicator	TopicCategory	Top Term
		nitrogen dioxide		
Atmosphere	urban air quality	peak concentrations of sulphur dioxide	Environment	Environmental assessment
Atmosphere	urban air quality	exceedance of particle standard	Environment	Environmental assessment
Atmosphere	air toxics	air toxic levels	Environment	Environmental assessment
Atmosphere	indoor air	indoor air	Environment	Environmental assessment
Land	land use changes	changes in land use	Environment	land
Land	soil erosion	potential for soil erosion	Geoscientific Information	pedosphere
Land	induced soil salinity (including sodic soils)	area affected by salinity	Environmental	effect
Land	induced soil salinity (including sodic soils)	acid sulphate soils	Geoscientific Information	pedosphere
Land	chemical contamination - land	regulated contaminated sites	Environment	land
Land	chemical contamination - produce	exceedance of maximum residue levels in food and produce	Environment	pollutant
Water	freshwater riverine ecosystem health	river health (macroinvertebrate assemblages)	Biota	biosphere
Water	surface water extraction	surface water extraction versus sustainability	Environment	Environmental management
Water	surface water extraction	environmental flow objectives	Environment	Environmental management
Water	groundwater extraction	groundwater extraction versus sustainability	Environment	Environmental management
Water	surface water quality	exceedance of surface water quality objectives	Environment	Environmental assessment
Water	surface water quality	surface water salinity	Environmental	effect

Theme	Sub0theme	Indicator	TopicCategory	Top Term
Water	marine and estuarine water quality	exceedance of marine and estuarine water quality guidelines	Environment	Environmental assessment
Water	groundwater quality	exceedance of groundwater quality guidelines	Environment	Environmental assessment
Water	point source discharges	point source discharges to fresh waters, wastewater treatment and reuse	Environment	pollution
Water	point source discharges	point source discharges to estuarine and marine waters and wastewater treatment	Environment	pollution
Water	diffuse source pollution		Environment	pollution
Water	algal blooms	freshwater blue-green algal blooms	Environment	effect
Water	algal blooms	marine and estuarine algal blooms	Environment	effect
Water	major marine and estuarine pollution incidents	major marine and estuarine pollution incidents	Environment	pollution
Water	sediment contamination	sediment contamination	Geoscientific Information	pedosphere
Biodiversity	native vegetation	extent and condition of native vegetation	Biota	biosphere
			Geoscientific Information	science
Biodiversity	native vegetation	native vegetation clearing	Economy	services
Biodiversity	native vegetation	terrestrial protected areas	Environment	land
Biodiversity	native vegetation	are arevegetatted	Environment	environmental problem solving
Biodiversity	terrestrial species diversity	terrestrial extinct, endangered and vulnerable	Environment	environmental protection

Theme	Sub0theme	Indicator	TopicCategory	Top Term
		species and ecological communities		
Biodiversity	terrestrial species diversity	terrestrial recovery plans	Environment	environmental planning
Biodiversity	terrestrial species diversity	population of bird species	Biota	biosphere
Biodiversity	introduced terrestrial species	introduced terrestrial species	Biota	biosphere
Biodiversity	introduced terrestrial species	introduced terrestrial species	Geoscientific Information	science
Biodiversity	fire	fire regimes	Health	disaster
Biodiversity	aquatic ecosystems	extent and condition of aquatic habitats	Biota	biosphere
			Geoscientific Information	science
Biodiversity	aquatic ecosystems	aquatic protected areas	Environment	land
Biodiversity	aquatic ecosystems	extent and conditions of wetlands	Environment	environmental protection
Biodiversity	aquatic ecosystems	extent and conditions of wetlands	Biota	biosphere
Biodiversity	aquatic ecosystems	extent and conditions of wetlands	Geoscientific Information	science
Biodiversity	aquatic species diversity	aquatic extinct, endangered and vulnerable species and ecological communities	Environment	environmental protection
Biodiversity	aquatic species diversity	aquatic recovery plans	Environment	Environmental problem solving
Biodiversity	introduced aquatic species	introduced aquatic species	Biota	biosphere
			Geoscientific Information	science
Biodiversity	aquatic harvesting	total seafood catch	Farming	fishery
Biodiversity	aquatic harvesting	estimated wild fish stocks	Farming	fishery

1.12 Service NSW web site

Theme	TopicCategory	Top Term
Flora and Fauna	Biota	biosphere
	Farming	agriculture
	Farming	forestry
Forests	Farming	forestry
Heritage		
Land	Environment	land
Maps	Imagery	border
Minerals and Energy	Geoscientific Information	lithosphere
	Geoscientific Information	pedosphere
Water	Inland Waters	hydrosphere