

## Appendix 3: Definitions

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| 1 in 100 year flood:                    | This return period ratio refers to the probability of a hazard event occurring in any given year. A 1 in 100 year probability means that a hazard event has a one per cent chance of occurring in a 12 month period (i.e. a one per cent annual exceedance probability – see below). This means that more than one 100 year event may occur over the course of a century.   |
| Abstraction:                            | Taking water from a water body.   |
| Aeolian:                                | A term that relates to the wind, usually in reference to fine materials transported and deposited by the wind (e.g. wind blown sand, silt or loess). Can also be used to refer to the process of erosion by the wind i.e. aeolian erosion. Aeolian processes commonly occur in dry conditions, in river beds and in coastal environments.   |
| Aggradation:                            | A term used in geology for the accumulation of sediment in rivers and nearby landforms. Aggradation occurs when sediment supply exceeds the ability of a river to transport the sediment.   |
| Aggregate:                              | A broad category of coarse particulate material used in construction, which includes sand, gravel, crushed stone, slag and recycled concrete. Aggregates are a component of composite materials such as concrete and asphalt concrete.  |
| Airshed:                                | Local air management areas, as gazetted by the Minister for the Environment on 1 September 2005, for air quality management purposes.   |
| Amenity values:                         | As defined in the Resource Management Act.<br>Those natural or physical qualities and characteristics of an area that contribute to people’s appreciation of its pleasantness, aesthetic coherence, and cultural and recreational attributes.   |
| Annual exceedance probability:          | A measure of the likelihood, usually expressed as a percentage, of a natural hazard event exceeding a particular magnitude. A one per cent annual exceedance probability event has a one per cent (or 1:100) chance of occurring at a location in any given year.   |
| Bed:                                    | As defined in the Resource Management Act.<br>(a) In relation to any river—<br><ul style="list-style-type: none"> <li>(i) for the purposes of esplanade reserves, esplanade strips, and subdivision, the space of land which the waters of the river cover at its annual fullest flow without overtopping its banks:</li> <li>(ii) in all other cases, the space of land which the waters of the river cover at its fullest flow without overtopping its banks; and</li> </ul> (b) In relation to any lake, except a lake controlled by artificial means,—<br><ul style="list-style-type: none"> <li>(i) for the purposes of esplanade reserves, esplanade strips, and subdivision, the space of land which the waters of the lake cover at its annual highest level without exceeding its margin:</li> <li>(ii) in all other cases, the space of land which the waters of the lake cover at its highest level without exceeding its margin; and</li> </ul> (c) In relation to any lake controlled by artificial means, the space of land which the waters of the lake cover at its maximum permitted operating level; and<br>(d) In relation to the sea, the submarine areas covered by the internal waters and the territorial sea. |
| Biological diversity: (or biodiversity) | As defined in the Resource Management Act.<br>Biological diversity (biodiversity) means the variability among living organisms, and the ecological complexes of which they are a part, including diversity within species, between species, and of ecosystems.  |

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| <b>Coastal environment:</b>                                  | Includes the coastal marine area and the adjacent landward environment, to the extent it has the following characteristics or attributes, (in accordance with policies 5 and 37): <ul style="list-style-type: none"> <li>a) any area or landform dominated by coastal vegetation or habitat</li> <li>b) any landform affected by active coastal processes, excluding tsunami</li> <li>c) any landscapes or features, including coastal escarpments, that contribute to the natural character, visual quality or amenity value of the coast</li> <li>d) any site, structure, place or area of historic heritage value adjacent to, or connected with, the coastal marine area, which derives its heritage value from a coastal location.</li> </ul> |
| <b>Coastal feature:</b>                                      | A distinctive characteristic or part of the coastal environment that has arisen as a result of coastal processes.  |
| <b>Coastal hazards:</b>                                      | Coastal processes that have the potential to adversely affect human life, property or infrastructure including erosion, sedimentation, storm surge, inundation, tsunami.   |
| <b>Coastal marine area:</b>                                  | As defined in the Resource Management Act.<br>The foreshore, sea bed and coastal water, and the air space above the water: <ul style="list-style-type: none"> <li>(a) of which the seaward boundary is the outer limits of the territorial sea;</li> <li>(b) of which the landward boundary is the line of mean high water springs, except that where that line crosses a river, the landward boundary at that point shall be whichever is the lesser of: <ul style="list-style-type: none"> <li>(i) one kilometre upstream from the mouth of the river; or</li> <li>(ii) the point upstream that is calculated by multiplying the width of the river mouth by five.</li> </ul> </li> </ul>  |
| <b>Coastal processes:</b>                                    | Dynamic natural, physical and ecological relationships and events, that are characteristically coastal in their occurrence, nature and effects, that act to shape a coastline, its landforms and features – such as, beaches, wave cut platforms – and including processes of: wave formation, breaking and dissipation; swash run-up; nearshore currents; sediment transport, erosion and deposition.   |
| <b>Coastal water:</b>  | As defined in the Resource Management Act.<br>Sea water within the outer limits of the territorial sea and includes: <ul style="list-style-type: none"> <li>(a) sea water with a substantial freshwater component; and</li> <li>(b) sea water in estuaries, fiords, inlets, harbours, or embayments.</li> </ul>  |
| <b>Contact recreation:</b>                                   | Recreational activities that involve contact with water, including swimming and paddling.  |
| <b>Contaminant:</b>  | As defined in the Resource Management Act,<br>Includes any substance (including gases, odorous compounds, liquids, solids, and micro-organisms) or energy (excluding noise) or heat, that either by itself or in combination with the same, similar, or other substances, energy, or heat— <ul style="list-style-type: none"> <li>(a) when discharged into water, changes or is likely to change the physical, chemical, or biological condition of water; or</li> <li>(b) when discharged onto or into land or into air, changes or is likely to change the physical, chemical, or biological condition of the land or air onto or into which it is discharged.</li> </ul>  |
| <b>Compact, well designed and sustainable regional form:</b> | As described in Objective 21, section 3.9, table 9.  |
| <b>Consequences:</b>   | The effects on the community of a natural hazard event including injury or loss of life, damage to land, buildings and property, financial costs, and general business and social disruption.  |

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| <b>Contaminated land:</b>     | <p>As defined in the Resource Management Act.</p> <p>Land of one or more of the following kinds:</p> <p>(a) if there is an applicable national environmental standard on contaminants in soil, the land is more contaminated than the standard allows; or</p> <p>(b) if there is no applicable national environmental standard on contaminants in soil, the land has a hazardous substance in or on it that</p> <p>(i) has significant adverse effects on the environment; or</p> <p>(ii) is reasonably likely to have significant adverse effects on the environment.</p> |
| <b>Cultural assessment:</b>   | <p>A report prepared to consider and assess the potential impacts of an activity on the cultural values within an area.</p> <p>A cultural assessment may include, but is not limited to, Maori history, Treaty claims and settlements, presence of significant sites, social effects and recommendations for avoiding, remedying and mitigating adverse effects.</p>   |
| <b>DDT:</b>                   | <p>Dichloro-Diphenyl-Trichloroethane (DDT) is an organochlorine insecticide. It is a neuro-toxin and suspected carcinogen. It accumulates in the body, is highly persistent in the environment and is extremely toxic to aquatic life.</p>   |
| <b>Density:</b>               | <p>How compact development is in a given area. For example, the number of people per square kilometre, the variety of land uses or activities (mixed use development) per square kilometre, or square meters of retail space per square kilometre of land area.</p>  |
| <b>District plan:</b>         | <p>As defined in the Resource Management Act.</p> <p>An operative plan approved by a territorial authority under Schedule 1; and includes all operative changes to such a plan (whether arising from a review or otherwise)</p>  |
| <b>Ecosystem:</b>             | <p>Any system of interacting terrestrial or aquatic organisms within their natural and physical environment.</p>   |
| <b>Ecosystem function:</b>    | <p>The interactions between organisms and the physical environment, such as in nutrient cycling, soil development and water budgeting.</p>   |
| <b>Ecotoxic contaminants:</b> | <p>Substances that are capable of causing ill health, injury or death to any living organism – such as heavy metals, polycyclic aromatic hydrocarbons, organochlorine pesticides and antifouling compounds.</p>  |
| <b>Environmental weeds:</b>   | <p>Plant species outside their natural range that have invasive attributes and can alter ecological processes in indigenous ecosystems and habitats.</p>   |
| <b>Ephemeral stream:</b>      | <p>A stream that is not permanently flowing, or flows only during and after rain events.</p>   |
| <b>Esplanade reserves:</b>    | <p>As defined in the Resource Management Act.</p> <p>A reserve within the meaning of the Reserves Act 1977 which is either a local purpose reserve within the meaning of section 23 of that Act, if vested in the territorial authority under section 239, or, a reserve vested in the Crown or regional council, under section 237D; and which is vested in the territorial authority, regional council, or the Crown for the purpose or purposes set out in section 229 of the Resource Management Act.</p>  |
| <b>Esplanade strips:</b>      | <p>As defined in the Resource Management Act.</p> <p>A strip of land created by the registration of an instrument in accordance with section 232 of the Resource Management Act for a purpose or purposes set out in section 229 of the Resource Management Act.</p>   |
| <b>Fault:</b>                 | <p>A fracture in the crust or between two large blocks of rock in which one side of the fracture has moved relative to the other. This movement can be vertical, horizontal or a combination of the two.</p>   |
| <b>Fault rupture:</b>         | <p>As stresses build along a fault due to movement either side of the fracture plane, a point is reached when the rocks are unable to accommodate the strain. When the shear strength of the rocks is exceeded, a fault will rupture. If this rupturing occurs rapidly, it results in an earthquake.</p>   |
| <b>Fault trace:</b>           | <p>Sometimes referred to as a fault line, is the visible surface expression of a fault that has ruptured the ground surface. Faults do not usually consist of a single, clean fracture and the term fault zone is used when referring to the area of deformation that is associated with the fault plane.</p>  |

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| Fine particulate matter (PM <sub>10</sub> ):               | Is all material that is less than 10 microns in aerodynamic diameter. A micron is one thousandth of a millimetre.   |
| Flushing flows:  | High river flows, usually associated with rainfall, which flush out the river system. These can be artificially induced as a mitigation measure in rivers where flows have been lowered by dams or large abstractions.  |
| Frequency:   | A measure of the number of occurrences of a natural hazard event per a unit of time (e.g. 1 in 100 years).  |
| Fresh water:   | As defined in the Resource Management Act.<br>All water except coastal water and geothermal water.  |
| Groundwater:   | Water that soaks into or through the ground and occupies pore spaces and cavities beneath the surface. This water can form an aquifer when it collects on an impermeable layer (for example rock, clay) that prevents further downward seepage.   |
| Habitat:   | An area with the appropriate combination of resources – such as, food, water, nesting sites, shelter – and environmental conditions – such as, temperature, humidity or shade – for the survival of a species.  |
| Hapu:  | Sub-tribes of people, providing social and political units based on descent from a common ancestor.   |
| Hard engineering:  | Engineering works that use structural materials such as concrete, steel, timber or rock armour to provide a hard, inflexible edge between the land-water interface along rivers, shorelines or lake edges. Typical structures include groynes, seawalls, revetments or bulkheads that are designed to prevent erosion of the land.  |
| Hazardous substances:                                      | As defined in the Resource Management Act.<br>Includes, but is not limited to, any substance defined in section 2 of the Hazardous Substances and New Organisms Act 1996 as a hazardous substance.  |
| High hazard risk:  | Refers to events that are likely to cause moderate to high levels of damage to the subdivision or development, including the land on which it is situated. It applies to areas that face a genuine likelihood of experiencing significant damage in a hazard event – such as fault rupture zones, beaches that experience cyclical or long-term erosion, failure prone hill slopes, or areas that are subject to repeated flooding.   |
| Highly productive agricultural land (Class 1 and II land): | Highly protective agricultural land is Class I and II land in the land use capability classes of the New Zealand Land Resources Inventory. The Inventory considers five physical factors most important in land management: rock type, soil type, slope, erosion and vegetation and describes land parcels or map units in these terms. In addition to listing the physical resources of the land, its ability to sustain different land uses is also assessed. This is known as the Land Use Capability and consists of three levels of detail.<br><br>Land use capability Class I and II lands are described as:<br>Class I – The best land, flat, free draining, well structured fertile soils suitable to sustain intensive horticulture with minimal inputs.<br>Class II – Slight limitations to intensive arable use, e.g. slope and erosion. |
| Historic heritage:   | As defined in the Resource Management Act.<br>Those natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: <ul style="list-style-type: none"> <li>• archaeological</li> <li>• architectural</li> <li>• cultural</li> <li>• historic</li> <li>• scientific</li> <li>• technological</li> </ul> and includes, <ul style="list-style-type: none"> <li>• historic sites, structures, places, and areas</li> <li>• archaeological sites</li> <li>• sites of significance to Maori, including wahi tapu, and</li> <li>• surroundings associated with the natural and physical resources.</li> </ul>   |

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| <b>Indigenous:</b>          | Produced by or naturally belonging to a particular region or area.   |
| <b>Infrastructure:</b>      | <p>As defined in the Resource Management Act.</p> <p>Infrastructure includes:</p> <ul style="list-style-type: none"> <li>(a) pipelines that distribute or transmit natural or manufactured gas, petroleum, or geothermal energy;</li> <li>(b) a network for the purpose of telecommunication as defined in section 5 of the Telecommunications Act 2001;</li> <li>(c) a network for the purpose of radiocommunication as defined in section 2(1) of the Radiocommunications Act 1989;</li> <li>(d) facilities for the generation of electricity, lines used or intended to be used to convey electricity, and support structures for lines used or intended to be used to convey electricity, excluding facilities, lines, and support structures if a person: <ul style="list-style-type: none"> <li>(i) uses them in connection with the generation of electricity for the person's use; and</li> <li>(ii) does not use them to generate any electricity for supply to any other person:</li> </ul> </li> <li>(e) a water supply distribution system, including a system for irrigation;</li> <li>(f) a drainage or sewerage system;</li> <li>(g) structures for transport on land by cycleways, rail, roads, walkways, or any other means;</li> <li>(h) facilities for the loading or unloading of cargo or passengers transported on land by any means;</li> <li>(i) an airport as defined in section 2 of the Airport Authorities Act 1966;</li> <li>(j) a navigation installation as defined in section 2 of the Civil Aviation Act 1990;</li> <li>(k) facilities for the loading or unloading of cargo or passengers carried by sea, including a port related commercial undertaking as defined in section 2(1) of the Port Companies Act 1988;</li> <li>(l) anything described as a network utility operation in regulations made for the purposes of the definition of "network utility operator" in section 166 of the Resource Management Act.</li> </ul> |
| <b>Intertidal zone:</b>     | The area of foreshore between mean low water mark and mean high water mark.  |
| <b>Intrinsic values:</b>    | <p>As defined in the Resource Management Act.</p> <p>In relation to ecosystems, means those aspects of ecosystems and their constituent parts which have value in their own right, including:</p> <ul style="list-style-type: none"> <li>(a) their biological and genetic diversity; and</li> <li>(b) the essential characteristics that determine an ecosystem's integrity, form, functioning, and resilience.</li> </ul>   |
| <b>Inundation:</b>          | The flooding of a land surface by water. This can result from: surface ponding in heavy rain due to impeded drainage; coastal flooding from storm surge or extreme high tides; sea level rise; tsunami; or river flooding due to heavy rain.   |
| <b>Iwi:</b>                 | Tribes, groups of people linked by common ancestry and with common history.  |
| <b>Iwi authority:</b>       | <p>As defined in the Resource Management Act.</p> <p>The authority which represents an iwi and which is recognised by that iwi as having the authority to do so.</p>   |
| <b>Iwi management plan:</b> | A planning document that is recognised by the iwi authority.   |
| <b>Kaitiakitanga:</b>       | <p>As defined in the Resource Management Act.</p> <p>The exercise of guardianship by tangata whenua of an area in accordance with tikanga Maori in relation to natural and physical resources. It includes the ethic of stewardship.</p>   |
| <b>Kawanatanga:</b>         | Governance, as exercised by tangata whenua.  |

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| Key centres:                       | Include the regionally significant centres identified in policy 29, as well as other significant local centres that a city or district council consider are integral to the functioning of the region's or a district's form.   |
| Koiwi:                             | Human bones.  |
| Lake:                              | As defined in the Resource Management Act.<br>Means a body of fresh water which is entirely or nearly surrounded by land.   |
| Land:                              | As defined in the Resource Management Act.<br>Includes land covered by water and the air space above land.  |
| Landscape:                         | Is an expression of the interaction between natural and cultural processes.<br>Many factors are encompassed within our understanding of the word "landscape": the geological structure of the land, its soils, animals and its vegetation; and the pattern of human activity – fields, forests, settlements and local industries – both past and present.<br>Landscapes are perceived primarily through our visual senses, and landscape values are rooted in aesthetic appreciation. |
| Local authority:                   | As defined in the Resource Management Act.<br>Means a regional council or territorial authority.  |
| Low energy receiving environments: | Aquatic environments with little flushing action from tides, river flows, or wave action. For example, protected harbours and bays.   |
| Macroinvertebrate:                 | Small animals without backbones. Includes worms, molluscs, crustaceans and insect larvae.   |
| Magnitude:                         | The size of a given natural hazard event. Can include a range of measures including, size of geographic area affected, extent of damage, and the annual exceedence probability of the event.  |
| Mahinga kai:                       | The customary gathering of food and natural materials and the places where those resources are gathered.  |
| Mahinga matatai:                   | Places to gather seafood.   |
| Mana:                              | Respect, dignity, influence and/or authority associated with the energies and presences of the natural world, as well as of people. It is an essence, presence or energy and is linked to mauri and so can be lost, diminished or restored, innate, developed or won.   |
| Manakitanga:                       | Responsibilities for care of guests (manaki).   |
| Marae:                             | Communal meeting places where significant events are held and decisions made. Marae are important cultural institutions and facilities, and provide a base for hapu and iwi gatherings.   |
| Mataitai:                          | Area management tool that identifies an area as a place of importance for customary food gathering.   |
| Mauri:                             | An energy or life force that tangata whenua consider exists in all things in the natural world, including people. Mauri binds and animates all things in the physical world. Without mauri, mana cannot flow into a person or object.   |
| Mean high water springs:           | The average of each pair of successive high waters during that period of about 24 hours in each semilunation (approximately every 14 days), when the range of tides is the greatest.  |
| Mineral:                           | As defined in the Resource Management Act.<br>The same meaning as in section 2(1) of the Crown Minerals Act.  |
| Mixed use development:             | A variety of compatible and complementary uses within an area. This can include any combination of residential, commercial, industrial, business, retail, institutional or recreational uses.   |
| Natural features:                  | Elements or patterns arising as a result of natural processes.  |
| National policy statement:         | A statement issued under section 52 of the Resource Management Act.   |

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| National Priorities for Biodiversity Protection:                           | Types of ecosystems identified by central government as priorities for biological protection by local government under the Resource Management Act.  |
| Natural hazard:  | As defined in the Resource Management Act.<br>Any natural process that can adversely affect human life, property or valued aspects of the natural environment including: earthquake, tsunami, erosion, volcanic and geothermal activity, landslip, subsidence, sedimentation, wind, drought, fire or flooding.   |
| New Zealand Coastal Policy Statement:                                      | A statement issued under section 57 of the Resource Management Act.  |
| New Zealand Urban Design Protocol:   | A voluntary commitment to specific urban design initiatives by signatory organisations, which include central and local government, the property sector, design professionals, professional institutes and other groups. The Protocol aims to make our towns and cities more successful by using quality urban design to help them become: <ul style="list-style-type: none"> <li>• competitive places that thrive economically and facilitate creativity and innovation</li> <li>• liveable places that provide a choice of housing, work and lifestyle options</li> <li>• a healthy environment that sustains people and nature</li> <li>• inclusive places that offer opportunities for all citizens</li> <li>• distinctive places that have a strong identity and sense of place</li> <li>• well-governed places that have a shared vision and sense of direction</li> </ul> |
| Nga kai:   | Traditional foods  |
| Non-point source discharges:   | Diffuse discharges of contaminants to air, water and land often from a range of sources and not able to be attributable to an individual site or activity. Pastoral and cropping agriculture, silviculture and development of residential subdivisions (for example, construction of infrastructure, septic tanks) are common activities that generate non-point source discharges.  |
| Nutrient budget:   | An account of nutrients applied to an area of land that balances the uptake by crops on the land.  |
| Pa:  | A fortified village.   |
| Papakainga:  | A village, ancestral settlement.   |
| Peri-urban:  | Refers to the immediate area around a settlement that is relatively unmodified by urban development and has characteristics associated with a rural landscape, but which may support activities arising from its accessibility or proximity to people – horse grazing, pony clubs, kennels and catteries, golf courses. Such areas typically come under pressure for urban development and encroachment by activities that compete with primary production in an otherwise rural area.   |
| Point source discharge:  | A discharge of contaminants where the point of discharge is identified.  |
| Probability:   | A statistical measure of the chance of occurrence of a natural hazard event. Often expressed as an Annual Exceedence Probability.  |
| Public open space:   | An area of land or water over which the public has right of access and is publicly owned and/or zoned for their recreational, ecological, landscape and/or heritage values.  |
| Open space covenant with Queen Elizabeth the Second National Trust (QEII): | An open space covenant with Queen Elizabeth the Second National Trust (QEII) is registered pursuant to section 22 of the Queen Elizabeth the Second National Trust Act 1977 on certificates of title. Open Space Covenants need to be approved by the Trust's Board of Directors, and they are typically fenced from stock and defined by survey prior to registration.  |
| Rahui:   | A temporary restriction or ban.  |
| Raingarden:  | A planted depression that is designed to absorb rainwater run-off from impervious urban areas like roofs, driveways, walkways and compacted lawn areas.  |
| Rangatiratanga:  | Self determination   |
| Regional Focus Areas:  | Regional Focus Areas are described and identified on pages 36 to 39 of the Wellington Regional Strategy, 2007.   |

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| <b>Regional form:</b>                         | Is the physical layout or arrangement of our urban and rural communities and how they link together. For example, transport networks (e.g. roads, rail, ports), and the patterns of residential, industrial, commercial and other uses alongside or around these networks, and in relation to the topography and geography of the region (e.g. its ranges and valleys, rivers, lakes and coastline). It includes the physical appearance or urban design, housing choice and density; and the arrangement of open spaces.   |
| <b>Regional plan:</b>                         | As defined in the Resource Management Act.<br>An operative plan (including a regional coastal plan) approved by a regional council or the Minister of Conservation under Schedule 1; and includes all operative changes to such a plan (whether arising from a review or otherwise)   |
| <b>Regionally significant centres:</b>        | The regionally significant centres are: <ul style="list-style-type: none"> <li>• Central business district in Wellington city</li> <li>• Upper Hutt city centre</li> <li>• Lower Hutt city centre</li> <li>• Porirua city centre</li> <li>• Paraparaumu town centre</li> <li>• Masterton town centre</li> <li>• Petone</li> <li>• Kilbirnie</li> <li>• Johnsonville</li> </ul>  |
| <b>Regionally significant infrastructure:</b> | Regionally significant infrastructure includes: <ul style="list-style-type: none"> <li>• pipelines for the distribution or transmission of natural or manufactured gas or petroleum</li> <li>• strategic telecommunications facilities, as defined in section 5 of the Telecommunications Act 2001</li> <li>• strategic radio communications facilities, as defined in section 2(1) of the Radio Communications Act 1989</li> <li>• the national electricity grid, as defined by the Electricity Governance Rules 2003</li> <li>• facilities for the generation and transmission of electricity where it is supplied to the national electricity grid</li> <li>• the local authority water supply network and water treatment plants</li> <li>• the local authority wastewater and stormwater networks, systems and wastewater treatment plants</li> <li>• the Strategic Transport Network, as defined in the Wellington Regional Land Transport Strategy 2007-2016</li> <li>• Wellington City bus terminal and Wellington Railway Station terminus</li> <li>• Wellington International Airport</li> <li>• Commercial Port Areas within Wellington Harbour (including Miramar, Burnham and Seaview wharves) and adjoining land and storage tanks for bulk liquids.</li> </ul> |
| <b>Renewable energy:</b>                      | As defined in the Resource Management Act.<br>Energy produced from solar, wind, hydro, geothermal, biomass, tidal wave and ocean current sources.   |
| <b>Residential activity:</b>                  | The use of a premise for any domestic or related purpose by persons living in the premises alone or in the family and/or non-family groups, whether any person is subject to care, supervision or not. A place of residence is typically where a person sleeps and keeps their personal belongings.   |
| <b>Residual risk:</b>                         | The risk to a subdivision or development that remains after implementation of risk treatment or hazard mitigation works.  |
| <b>Reverse sensitivity:</b>                   | Where a newly established activity may be adversely affected by an existing activity and may need to protect itself from the effects of the existing activity. For example, when a noise sensitive land use establishes next to an airport, the new land use may be required to protect itself with noise insulation, rather than requiring the existing lawful activity to reduce the noise it generates.  |

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| <b>Revetment:</b>                          | A structure placed either parallel or perpendicular to a shoreline or riverbank in order to protect property or land from erosion. These are designed to be porous and are commonly built with rocks. This allows water to flow through the cavities, slowing and absorbing the energy from the water flow and allowing finer sediments to deposit in the pore spaces. Rip-rap, gabions, groynes and breakwaters are all types of revetment.                               |
| <b>Riffles:</b>                            | A shallow, fast flowing section of a stream or river where the water velocity exceeds the upstream and downstream water velocity because of the steeper gradient or shallow depth.   |
| <b>Risk</b>                                | A combination of the probability of a natural hazard and the consequences that would result from an event of a given magnitude. Commonly expressed by the formula: risk = hazard x vulnerability.  |
| <b>Riparian:</b>                           | Any land that adjoins or directly influences or is influenced by, a water body.  |
| <b>River:</b>                              | As defined in the Resource Management Act.<br>A continually or intermittently flowing body of fresh water; and includes a stream and modified watercourse; but does not include any artificial watercourse (including an irrigation canal, water supply race, canal for the supply of water for electricity power generation, and farm drainage canal).  |
| <b>Rohe:</b>                               | Tribal areas for iwi.  |
| <b>Rural areas (as at March 2009):</b>     | Rural areas (as at March 2009) include all areas not defined as the region's urban areas (as at March 2009).   |
| <b>Sedimentation:</b>                      | The process of sediment deposition by wind or water, particularly in river, lake, coastal or marine environments.  |
| <b>Sensitive activities</b>                | Activities which suffer should they experience adverse effects typically associated with some lawful activities. For example, dust or noise from a quarry or port facility, noise in an entertainment precinct, smells from a sewage treatment facility. Activity considered sensitive includes, any residential activity, any early childhood education centre, and any hotel or other accommodation activity. It may also include hospitals and respite care facilities. |
| <b>Sewage:</b>                             | The liquid wastes of a community, including toilet wastes and sometimes trade waste, before treatment. Sewage effluent is the liquid residue after treatment, and sewage sludge is the solid residue after treatment.  |
| <b>Significant amenity landscapes:</b>     | Significant amenity landscapes are:<br>(a) important but not clearly exceptional landscape value under one or more of the criteria in an area where natural components dominate; or<br>(b) important (including exceptional) landscape value under one or more of the criteria in an area where the influence of human activity on landscape character dominates natural components.   |
| <b>Significant mineral resources:</b>      | Are deposits of minerals, the extraction of which is of importance in order to meet the current and future mineral needs of the region.  |
| <b>Soft engineering:</b>                   | Works such as beach nourishment and dune rebuilding that use non-structural materials (e.g. sand, cobbles, native plants) to mimic natural coastal features that can act to mitigate the impacts from natural hazards.   |
| <b>Storm surge:</b>                        | A temporary elevation in water at the shoreline caused by a combination of low air pressure, large waves (wave set-up) and strong onshore winds (wind set-up). Storm surge can elevate water levels by over one metre. A storm tide occurs when a storm surge coincides with high tide.  |
| <b>Stormwater:</b>                         | Water that accumulates as a result of rain, particularly during heavy or prolonged rainfall, and includes runoff from urban areas such as roads and roofs, whether flowing overland or in channels or pipes through a catchment.   |
| <b>Strategic public transport network:</b> | The strategic public transport network is those parts of the region's passenger transport network that provide a high level of service along corridors with high demand for public transport. It connects the region's centres with the central business district in Wellington city. It includes the rail network and key bus corridors within the Wellington region.   |

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| Subdivision of land:            | Set out in section 218 of the Resource Management Act.   |
| Swales:                         | Inter-dune depressions that occur between dune crests. Also refers to concave hollows that are designed to hold stormwater run-off and allow the water to soak into the ground.  |
| Tangata whenua:                 | Maori with ancestral claims to a particular area of land and resources. Literally, translated as "people of the land." Iwi are tangata whenua of a particular rohe, while all Maori are tangata whenua of Aotearoa (New Zealand).  |
| Taonga:                         | Treasures, valued resources, both tangible and intangible.   |
| Taonga raranga:                 | Valued plants used for weaving, such as kiekie and pingao.   |
| Tauranga waka:                  | Canoe landing places   |
| Tikanga:                        | Customary practices and values, typically followed in order to protect mauri and/or mana.  |
| Travel demand management:       | Includes a range of mechanisms designed to influence or change travel behaviour – such as road pricing tools and improvements to the efficiency of the existing transport network.   |
| Tsunami:                        | A series of waves generated by the sudden displacement of a water surface. The three main generating mechanisms are submarine fault ruptures, landslides or volcanic activity. Most commonly occur in open ocean, but can also occur in harbours and lakes.  |
| Urban areas (as at March 2009): | The region's urban areas (as at March 2009) include urban, residential, suburban, town centre, commercial, community, business and industrial zones identified in the Wellington city, Porirua city, Lower Hutt city, Upper Hutt city, Kapiti coast and Wairarapa combined district plans.   |
| Urban development:              | Urban development is subdivision, use and development that is characterised by its planned reliance on reticulated services (such as water supply and drainage) by its generation of traffic, and would include activities (such as manufacturing), which are usually provided for in urban areas. It also typically has lots sizes of less than 3000 square metres. |
| Urupa:                          | Burial sites.  |
| Vulnerability:                  | The exposure or susceptibility of a development, building, business or community to the effects from a natural hazard event.   |
| Water body:                     | As defined in the Resource Management Act.<br>Freshwater or geothermal water in a river, lake, stream, pond, wetland or aquifer, or any part thereof, that is not located within the coastal marine area.  |
| Water harvesting:               | Taking water from water bodies when the amount of water is plentiful, and storing it outside the water body.   |
| Wahi tapu:                      | Places of sacredness and immense importance for tangata whenua. Wahi tapu areas can be prohibited or forbidden places, or private places, where permission should be sought for access, and protocols followed.  |
| Wahi tipuna:                    | Ancestral sites.   |
| Wellington Regional Strategy:   | The Wellington Regional Strategy is a sustainable economic growth strategy for the Wellington region developed by greater Wellington's nine local authorities, in conjunction with central government and the region's business, education, research and voluntary sector interests. It aims to make the Wellington region internationally competitive.              |
| Wetland:                        | As defined in the Resource Management Act.<br>Permanently or intermittently wet areas, shallow water, and land water margins that support a natural ecosystem of plants and animals that are adapted to wet conditions.  |
| Whanau:                         | An extended family group.  |