

Chapter 9

Acronyms, Glossary and References



NOONAMAH
RIDGE

INTRAPAC

9 ACRONYMS, GLOSSARY AND REFERENCES

9.1 ACRONYMS

AAPA	Aboriginal Areas Protection Authority
ABS	Australian Bureau of Statistics
AEP	Annual Exceedance Probability
AHD	Australian Height Datum
BOM	Bureau of Meteorology
CBD	central business district
CEMP	Construction Environmental Management Plan
CPTED	Crime Prevention Through Environmental Design
DAS	Development Assessment Services
DCA	Development Consent Authority
DLPE	Department of Lands, Planning and the Environment
DLRM	Department of Land Resource Management
DoH	Department of Health
DoI	Department of Infrastructure
DoT	Department of Transport
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EP	Equivalent Persons
EPBC	<i>Environmental Protection and Biodiversity and Conservation (Act)</i>
ESCP	Erosion and Sediment Control Plan
ESIA	Economic and Social Impact Assessment
FSC	fauna spotter-catcher
GDE	groundwater-dependant ecosystem
GPS	Global Positioning System
GP	General Practitioner
ha	hectare
IPOLR	Infrastructure Provider Of Last Resort
IT	Integrated Transpiration
KL	kilolitre
kV	kilovolt
kVA	kilovolt amps
L/s	litres per second
LCA	Land Condition Assessment
LED	light emitting diode
LSA	Land Suitability Assessment
MD	Multiple Dwelling
ML	megalitre
MLA	Member of Legislative Assembly
MVA	megavolt ampere
NBN Co	National Broadband Network Corporation

NOI	Notice of Intent
NT	Northern Territory
NTEPA	Northern Territory Environmental Protection Authority
NTRFS	Northern Territory Rural Fire Service
PEM	Priority Environmental Management
PM ₁₀	particle matter up to 10 micrometres in size
PPE	personal protective equipment
PWC	Power and Water Corporation
Q100	A flood event that has a 1 % probability of occurring in any given year and therefore, theoretically, may occur once every 100 years. A Q20 event has a 5 % probability of occurring in any given year; a Q5 has a 20 % probability.
R	Rural
RL	Rural Living
RR	Rural Residential
SD	Single Dwelling
SEIFA	Socio-Economic Indexes for Areas
SOHO	Small Office Home Office
SU	Specific Use
TIA	Traffic Impact Assessment
TMP	Traffic Management Plan
TPWC	<i>Territory Parks and Wildlife Conservation (Act)</i>
TSP	total suspended particulates
UDIA	Urban Development Institute of Australia
WQO's	Water Quality Objectives
WSUD	water-sensitive urban design

9.2 GLOSSARY

<i>airshed</i>	Part of the atmosphere that behaves in a coherent way with respect to the dispersion of emissions. A geographic boundary for air quality standards.
<i>amenity</i>	The pleasantness or attractiveness of a place.
<i>aquifer</i>	An underground layer of water-bearing permeable rock, rock fractures or unconsolidated materials (gravel, sand, or silt) from which groundwater can be extracted using a water bore.
<i>bilateral</i>	Having or relating to two sides; affecting both sides. In this case, the two sides being the Commonwealth and Northern Territory Governments.
<i>biodiversity</i>	The variety of life on Earth, including variety within and between all species of plants, animals and micro-organisms and the ecosystems within which they live and interact.
<i>bio-remediation</i>	A treatment that uses naturally-occurring organisms to break down hazardous substances into less toxic or non-toxic substances.
<i>bore-field</i>	A bore-field is an area where numerous groundwater supply bores are installed. In the context of Noonamah Ridge, the bore-field will target a high yielding aquifer and supply groundwater as a potable water resource to the development.
<i>cadastre</i>	The information relating to the location, title and ownership of land parcels.
<i>calcareous</i>	Mostly or partly composed of calcium carbonate – in other words, containing lime or being chalky.
<i>catchment</i>	An area where water is collected by the natural landscape. In a catchment, all rain and run-off water eventually flows to a creek, river, dam, lake, ocean or into a groundwater system.
<i>colluvial</i>	Rock and soil that moved down slope due to gravitational forces.
<i>covenant</i>	A formal agreement, contract, or promise in writing.
<i>cultural heritage</i>	The total ways of living built up by a group of human beings, which is passed from one generation to the next.
<i>desecration</i>	The act of depriving something of its sacred character, or the disrespectful, contemptuous, or destructive treatment of that which is held to be sacred by a group or individual.
<i>disconnection</i> (in relation to stormwater management)	Refers to an additional stormwater management step that intercepts or breaks the connection between impervious areas and stormwater systems or waterbodies. It differs from the standard stormwater management process of direct discharge from urban surfaces to stormwater drain and provides opportunity to reduce peak stormwater discharges and improve infiltration of stormwater into vegetated or pervious surfaces.
<i>dolostone</i>	A sedimentary carbonate rock with a higher percentage of the mineral dolomite ($\text{CaMg}(\text{CO}_3)_2$). Also known as dolomite rock.
<i>ecosystem</i>	A community of living organisms in conjunction with the non-living components of their environment (air, water and mineral soil), interacting as a system.
<i>entomology</i>	The study of insects.
<i>ephemeral</i> (in relation to hydrology)	A waterway that flows only after rain and has no base-flow component.
<i>equivalent persons</i>	For water supply, an Equivalent Person “EP” is a standard unit of demand for water for a typical person in a residential setting. For sewerage, an Equivalent Person “EP” means a standard unit of sewage generation based on the average generation by a typical person in a residential setting.
<i>evapo-transpiration</i>	Part of a water cycle that removes liquid water from an area with vegetation and into the atmosphere by the processes of both transpiration and evaporation.
<i>feeder</i>	A type of transmission line.

(in relation to electricity supply)

first flush

The initial surface run-off of a rainstorm. Such, run-off tends to have high concentrations of debris and be more turbid compared to the remainder of the storm.

footprint

(in relation to the development)

The area within the confines of the proposed development boundary that will be incorporated into, or impacted by, the Noonamah Ridge.

freehold

Permanent and absolute tenure of land or property with freedom to dispose of it at will.

geotechnical

The branch of civil engineering concerned with the engineering behaviour of earth materials.

geo-textile

Permeable fabrics which, when used in association with soil, have the ability to separate, filter, reinforce, protect or drain.

ground-truthed

Factual data as ascertainable through direct observation rather than through inference from remote sensing (see definition)

groundwater

Water held underground in the soil, or in pores and crevices in rock.

homogenous

Describes things that are all of the similar kind.

hydrology

The branch of science concerned with the properties of the earth's water, and especially its movement in relation to land

impervious

Not allowing water to pass through.

incised

Cut into a surface.

interface

The point or area where two systems meet or interact. In the context of Noonamah Ridge, the interface refers to the area between two different land uses or the point at which the different land uses meet.

karstic

Refers to karst topography or aquifers, which are formed from the dissolution of soluble rocks such as limestone and dolomite, and are characterised by underground drainage systems of fissures, sinkholes, and caves.

laterite

A soil and rock type rich in iron and aluminium, usually red in colour due to the high iron oxide content. Commonly formed in hot and wet tropical areas.

lineaments

(in relation to geology)

A linear feature on the earth's surface, such as a fault, which is an expression of the underlying geological structure.

load

(in relation to electricity supply)

An electrical component or portion of a circuit that consumes electricity, such as appliances and lights.

Macassan

People from Makassar (now Ujungpandang) in the south-west of Celebes (now Sulawesi) who used to visit the north of Australia fishing for trepang – sea cucumber – and trading with Indigenous Australians.

macro-invertebrate

Organisms that are large (macro) enough to be seen with the naked eye and lack a backbone (invertebrate).

master plan

A high-level long-term plan that outlines the major components and broad scale layout of a development.

mitigated

Make less severe or serious.

passive

(in the context of housing design or stormwater management)

A design method that uses existing or natural resources or elements to (for example) heat, cool or light a building (i.e. as opposed to active). In stormwater management it refers to using natural water treatment processes (such as filtration of water by plants), to maximise the natural treatment of water as it passes through the system (as opposed to active capture and treatment).

pedological

Pedological is the broad term used to describe all changes in soil material resulting from the effect of physical, chemical or biological processes (i.e. soil formation). The term can be used to refer to processes, and organisation or development of the soils.

permeability

The rate or level at which liquid can pass through a material such as an aquifer or

<i>(in the context of water or transport design)</i>	the ground. In the context of transport and urban design permeability (or connectivity) refers to the directness of links and the density of connections in a transport network (i.e. how accessible the transport network is to users).
<i>perpetual</i> <i>(in the context of pastoral leases)</i>	Leases of land from the government which are held in perpetuity (i.e. no end date) for a specific purpose (i.e. pastoral)
<i>pervious</i>	Allowing water to pass through.
<i>proponent</i>	The person or company who advocates a proposal; in this case, Intrapac
<i>pump-testing</i>	A groundwater sampling technique which involves pumping a bore at a set rate for a set period of time to measure the response (i.e. recharge rate) of the targeted aquifer. Data indicates bore performance in terms of groundwater supply rates, aquifer flows and aquifer boundaries.
<i>rating</i> <i>(in relation to electricity supply)</i>	Indicates the voltage at which the appliance is designed to work and the current consumption at that voltage – i.e. the power it consumes.
<i>remote sensing</i>	A method of remote (i.e. not physically at the location) data collection of the earth's surface, usually with aerial sensor technologies (such as satellite or radars).
<i>reticulated</i>	A network of pipes for water or electricity supply.
<i>run-off co-efficient</i>	Relates the amount of run-off to the amount of rainfall received. It is a high value for areas with low infiltration and high run-off (e.g. pavements, steep gradients) and low value for permeable, well-vegetated areas (e.g. forests, flat land).
<i>saprolite</i>	Saprolite is a chemical weathered rock that forms in the lower zones of soil profiles above the bedrock. It is often rich in clay.
<i>savannah</i>	A grassland ecosystem characterised by the trees being sufficiently widely spaced so that the canopy does not close. The open canopy allows sufficient light to reach the ground to support a continuous, ground storey, vegetation layer consisting primarily of grasses.
<i>seasonally-inundated</i>	Periodical flooding or standing water, generally occurs during the wet season.
<i>siliceous</i>	Mostly or partly composed of silica.
<i>stakeholder</i>	A person with an interest or concern in something.
<i>subdivision</i>	An area of land divided into individual plots for sale.
<i>subsidiary</i> <i>(in relation to lease holders)</i>	A company controlled by a holding or parent company.
<i>sub-station</i> <i>(in relation to electricity supply)</i>	Part of an electrical generation, transmission, and distribution system. Sub-stations transform voltage from high to low, or the reverse, or perform any of several other important functions.
<i>tenements</i>	A claim, lease or licence under the <i>Mining Act</i> .
<i>tenure</i>	The conditions under which land or buildings are held or occupied.
<i>topography</i>	A field of geoscience that studies and describes the surface shapes and features of the Earth (especially their depiction in maps).
<i>turbidity</i>	A measure of the amount of light that can pass through a water column, and as such the water clarity. Suspended matter such as sediment increases the turbidity of the water (i.e. water is more cloudy) and reduces the amount of light available for aquatic organisms. Very high turbidity can indicate high erosion and sedimentation of waterways, which can smother aquatic ecosystems.
<i>unmitigated</i> <i>(in relation to water flows)</i>	The water flow rates and volumes, which would result from development of the catchment, without any specific flow controls installed (such as drainage works). Unmitigated flow calculations inform stormwater drainage system design.
<i>uplands</i>	An area of high or hilly land.
<i>vector</i>	An organism – typically a biting insect – that transmits a disease or parasite from one animal or plant to another.

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