

Glossary and abbreviations

1 in 100 year ARI flood event	A flood that occurs, on average, once every 100 years (or, has a one per cent chance of occurring every year). Also known as the 100 year Average Recurrence Interval of a flood. These events are of a random nature. It is possible for there to be two 100 year floods in successive years; similarly the 100 year flood may not occur for 200 years and the 100 year flood may not be the largest flood in the last 100 years.
1 in 20 year ARI flood event	A flood that occurs, on average, once every 20 years (or has a five per cent chance of occurring every year). Also known as the 20 year Average Recurrence Interval of a flood. These events are of a random nature. It is possible for there to be two 20 year floods in successive years; similarly the 20 year flood may not occur for 40 years and the 20 year flood may not be the largest flood in the last 20 years.
ACVM	Australian Centre for Value Management.
Afflux	The rise in water level at an hydraulic structure such as a bridge or culvert, caused by the losses incurred from the hydraulic structure.
AHD	Australian Height Datum (a measure of elevation above or below sea level).
AHIMS register	Aboriginal Heritage Information Management System register.
Annual Average Daily Traffic (AADT)	Total volume of traffic in a calendar year, divided by 365 to obtain an average volume per day. Expressed as vehicles per day.
ANZECC	Australian and New Zealand Environment Conservation Council.
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand.
ARTC	Australian Rail Track Corporation.
Average Recurrence Interval (ARI)	Average Recurrence Interval, which is the average or expected period between exceedance of a flood.
B-Double	A large truck that has a prime mover and two trailers.
Class A standard	A dual carriageway high standard road constructed to 110km/h horizontal and 100km/h vertical speed, and with opportunities for access at interchanges with major roads. It also has limited at grade access at some intersecting roads, and left-in and left-out to properties. This is also referred to as an arterial highway standard road.
Class M standard	A dual carriageway high standard road constructed to 110km/h horizontal and 100km/h vertical speed, and with opportunities for access at interchanges only. Other local roads would pass either under or over a Class M standard road. This is also referred to as a motorway standard road.
CLG	Community Liaison Groups that have been established by the RTA to assist in communicating with the community on issues relevant to the project.
CO	Carbon Monoxide.
dB	Decibels.
dB(A)	Decibels using the 'A' weighted scale, measured according to the frequency of the human ear.
DEC eight hour criteria	The criteria applied to road projects by the NSW DEC for night time noise levels, which is the predicted noise level at night averaged over each hour of the night between 10pm and 6am.

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DEC 12 hour criteria	The criteria applied to road projects by the NSW DEC for day time noise levels, which is the predicted noise level during the day averaged over each hour of the day between 6am and 10pm.
Department of Environment and Conservation (NSW DEC)	In September 2003, a number of separate agencies were consolidated to create a new Department of Environment and Conservation NSW. The new department incorporated the staff of the Environment Protection Authority (NSW EPA), National Parks and Wildlife Service (NPWS), Botanic Gardens Trust and Resources NSW.
Dissolved oxygen	Oxygen in an aqueous phase in a liquid medium.
Ecologically Sustainable Development (ESD)	Undertaking development in such a way that it uses, conserves and enhances the community's resources so that ecological processes, on which life depends, are maintained, and the total quality of life, now and in the future, can be increased.
ECRTN	Environmental Criteria for Road Traffic Noise (Environment Protection Authority, 1999).
EEC	Endangered Ecological Community.
EIS	Environmental Impact Statement.
ENMM	Environmental Noise Management Manual (RTA, 2001).
Environmental Impact Statement	An environmental assessment document prepared in accordance with Part 4 or Part 5 of the EP&A Act.
EPA	Environment Protection Authority (now part of the NSW DEC).
EP&A Act	<i>Environmental Planning and Assessment Act, 1979.</i>
Geographic Information System (GIS)	A system for creating, storing, analyzing and managing spatial data and associated attributes.
Gross Domestic Product (GDP)	The market value of all final goods and services produced within a country in a given period of time. Measures of the size of the economy.
h	Hour.
ha	Hectare.
km	Kilometre.
LALC	Local Aboriginal Land Council.
LEP	Local Environmental Plan (prepared under the <i>Environmental Planning and Assessment Act 1979</i>).
Level of Service (LoS)	An indicator of the level that a road is operating at, in terms of the traffic volume relative to its design capacity.
m	Metre.
MVKT	Million Vehicle Kilometres Travelled.
NO _x	Oxides of Nitrogen.
NPWS	NSW National Parks and Wildlife Service (now part of the NSW DEC).
NSW	New South Wales.
PADs	Potential Archaeological Deposits.
pH	A measure of acidity or alkalinity; a measure of the hydrogen ion concentration in soil.
Riparian zone	The land areas adjacent to water bodies. These often play an important role in providing habitat for flora and fauna, and in maintaining water quality in rivers and creeks.
RTA	Roads and Traffic Authority of NSW.

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SEPP	State Environmental Planning Policy, prepared under the NSW EP&A Act.
SKM	Sinclair Knight Merz.
State Heritage Register	A register of heritage items (European heritage only) that are considered of heritage significance to the state of NSW, and are protected under the NSW <i>Heritage Act, 1977</i> .
Turbidity	A measure of the clarity of a liquid, used as an indicator of the level of sediment present in water bodies.
WIRES	Wildlife Information and Rescue Service.