

References

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23.0 References and terminology

23.1 References

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23.2 Glossary of terms and abbreviations

23.2.1 Terms

Term	Definition
Aboriginal object	Any deposit, object or material evidence (not being a handicraft made for sale), including Aboriginal remains, relating to the Aboriginal habitation of NSW.
Aboriginal place	Any place declared to be an Aboriginal place under section 94 of the <i>National Parks and Wildlife Act 1974 (NSW)</i> .
AM peak hour	Unless otherwise stated, this refers to trips travelling on the network during the average one-hour peak period between 6am–9am on a weekday.
background pollutant concentration (air quality)	Describes all contributing sources of a pollutant concentration other than road traffic. It includes, for example, contributions from natural sources, industry and domestic activity.
construction footprint	The total extent of land required for the construction of this proposal, including ancillary facilities and services and land temporarily required for construction (incorporating construction elements such as compounds, access roads and worksites).
cut-and-cover	A method of tunnel construction whereby the structure is built in an open excavation and subsequently covered.
drained structure	Drained structures are those in which groundwater can enter the structure to lower the groundwater levels adjacent to the structure.
drawdown	Reduction in the level of the water table caused by changes in the local environment.
earthworks	Operations involved in loosening, excavating, placing, shaping and compacting soil or rock.
embankment	An earthen structure where the road (or other infrastructure) subgrade level is about the natural surface.
erosion	A natural process where wind or water detaches a soil particle and provides energy to move the particle.
flood prone land	Land susceptible to flooding by the probable maximum flood (also referred to as flood liable land).
flood storage area	Those parts of the floodplain that are important for the temporary storage of floodwaters during the passage of a flood. The extent and behaviour of flood storage areas may change with flood severity, and loss of flood storage can increase the severity of flood impacts by reducing natural flood attenuation.
floodplain	Area of land which is inundated by floods up to and including the probable maximum flood event (i.e. flood prone land).
greenhouse gas	Greenhouse gases are those gaseous constituents of the atmosphere that absorb and emit infra-red radiation at specific wavelengths within the spectrum of terrestrial radiation emitted by the Earth's surface, the atmosphere itself, and by clouds. This radiation generates heat which warms the atmosphere, and therefore greenhouse gases are a key contributor to the changing climate.
groundwater dependent ecosystem	Refers to communities of plants, animals and other organisms whose extent and life process are dependent on groundwater, such as wetlands and vegetation on coastal sand dunes.
in cutting	Section of the proposed alignment below the existing ground level.

Term	Definition
mid-block	The section of road between two intersections.
operational footprint	The land permanently required for operation of the proposal.
peak discharge	The maximum discharge occurring during a flood event.
peak flood level	The maximum water level occurring during a flood event.
placemaking	Describes an approach to the planning, design and management of public spaces.
PM peak hour	Unless otherwise stated, this refers to trips travelling on the network during the average one hour peak period between 3pm–6pm on a weekday.
proponent	For this proposal, the proponent is Sydney Metro.
proximal area	In the context of the social impact assessment, refers to the catchment around each metro station and operational ancillary in which people are most likely to experience direct social impacts. Statistical Area level 1 (SA1s) have been chosen as the closest approximation of each of the localities along the corridor.
region	In the context of the social impact assessment, refers to the Greater Sydney area.
runoff	The amount of rainfall that ends up as streamflow, also known as rainfall excess.
sensitive receiver	Includes residences, educational institutions (including preschools, schools, universities, TAFE colleges), health care facilities (including nursing homes, hospitals), religious facilities (including churches), child care centres, passive recreation areas (including outdoor grounds used for teaching), active recreation areas (including parks and sports grounds), commercial premises (including film and television studios, research facilities, entertainment spaces, temporary accommodation such as caravan parks and camping grounds, restaurants, office premises, retail spaces and industrial premises).
settlement	Refers to how ground can move due to the construction of new infrastructure.
stabling and maintenance facility	Consists of the structures and facility used for the stabling and maintenance of trains and the operations control centre.
Statistical area	Refers to geographic structures (regions) defined by the ABS.
stockpile	Temporary stored materials such as soil, sand, gravel, spoil/waste.
study area	Based on the proposal design to be assessed in the Environmental Impact Statement, each technical discipline will define a study area based on the proposal footprint and a suitable buffer area.
suburb	In the context of the social impact assessment, this term is applied through the social impact assessment where the spatial extent of social impacts on people is generally broader than the proximal area. The term 'suburb' refers to a conceptual geography not necessarily aligned to actual suburb boundaries.
tanked	Structure constructed with an impermeable casing/membrane that minimises groundwater inflows to negligible rates.
this proposal	Includes tunnel fit-out, construction of stations, ancillary facilities and station precincts, and operation and maintenance of the Sydney Metro West line.
total concentration (air quality)	The sum of the background, surface road and ventilation outlet concentrations. It may relate to conditions with or without the proposal under assessment.

Term	Definition
track-out	Dust emissions associated with the loading and movement of materials.
tunnel alignment	The horizontal and vertical position beneath the ground along which the tunnel progresses.
untanked	Excavation that allows groundwater to flow into the structure.
waste hierarchy	Approach of prioritising waste avoidance and resource recovery (including reuse, reprocessing, recycling and energy recover) before consideration of waste disposal.

23.2.2 Abbreviations

Abbreviation	Meaning
µg	Micrometre
ABS	Australian Bureau of Statistics
ACHAR	Aboriginal Cultural Heritage Assessment Report
AEI	Areas of environmental interest
AEP	Annual Exceedance Probability
AHD	Australian Height Datum
AHIMS	Aboriginal Heritage Information Management System
ANZECC	Australian and New Zealand Environment Conservation Council
ANZG	Australian and New Zealand Governments
ARMCANZ	Agriculture and Resources Management Council of Australia and New Zealand
ASSMP	Acid Sulfate Soils Management Plan
BC Act	<i>Biodiversity Conservation Act 2016 (NSW)</i>
BoM	Bureau of Meteorology
CBD	Central Business District
CCD	Customer Centred Design
CEMF	Construction Environmental Management Framework
CNVS	Construction Noise and Vibration Standard
CO	carbon monoxide
CO ² e	carbon dioxide equivalent
CSSI	critical State significant infrastructure
Cth	Commonwealth
CTMF	Construction Traffic Management Framework
dB	Decibel
dBA	A-weighted decibels. A-weighting is applied to instrument-measured sound levels in an effort to account for the relative loudness perceived by the human ear, as the ear is less sensitive to low audio frequencies.

Abbreviation	Meaning
DECCW	(former) NSW Department of Environment, Climate Change and Water (now Environment, Energy and Science)
DSI	Detailed Site Investigation
EB	East Bound
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2021</i>
EPA	NSW Environment Protection Authority
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
HVAC	Heating, ventilation, and air conditioning
HZ	Hertz
IAQM	Institute of Air Quality Management
ICNIRP	International Commission for Non-Ionising Radiation Protection
IPART	Independent Pricing and Regulatory Tribunal of New South Wales
ISC	Infrastructure Sustainability Council
ISCA	Infrastructure Sustainability Council of Australia
KHZ	Kilohertz
L _{Aeq}	Average noise level
L _{Aeq,15min}	The 'energy average noise level' evaluated over a 15 minute period for construction noise or the relevant daytime, evening or night-time period for ambient noise monitoring.
L _{AFmax}	The 'maximum noise level' for an event, used in the assessment of potential sleep disturbance during night-time periods.
LEP	Local Environmental Plan
m ³	cubic metres
MPN	most probable number
Mt	mega tonnes
NB	North Bound
NCA	Noise Catchment Area
NCC	National Construction Code
NHMRC	National Health and Medical Research Council
NML	noise management level
NO ₂	nitrogen dioxide
NSW	New South Wales
NTU	nephelometric turbidity unit
OCCS	Overarching Community Communications Strategy

Abbreviation	Meaning
OOH	Out of Hours
PAD	potential archaeological deposit
PCB	polychlorinated biphenyls
PCT	Plant Community Types
PFAS	Per- and polyfluoroalkyl substances
PM ₁₀	particulate matter of up to 10 micrometres
PM _{2.5}	particulate matter of up to 2.5 micrometres
PMF	Probable Maximum Flood
RAP	Registered Aboriginal Parties
RBL	Background noise level
RCP	Representative Concentration Pathway
RNE	Register of the National Estate
SA1	Statistical Area level 1
SA2	Statistical Area level 2
SB	South Bound
SEPP	State environmental planning policy
SHR	State Heritage Register
SO ₂	sulphur dioxide
SSD	State significant development
SSI	State significant infrastructure
t	tonne
TA Act	<i>Transport Administration Act 1988</i>
tCO _{2e}	tonnes of carbon dioxide equivalent
UNESCO	United Nations Education, Scientific and Cultural Organization
WB	West Bound
WQOs	NSW Water Quality Objectives