

Glossary

TERM	REFERENCE
$\mu\text{g}/\text{m}^3$	Micrograms per cubic metre
Actual Acid Sulfate Soil	Soils that are actually acidic i.e. pH of less than 4
Adventure Class	Cruise Ships with less than 100 passengers
Ambient Noise Level	The ambient noise level is the overall noise level measured at a location from multiple noise sources. When assessing noise from a particular development, the ambient noise level is defined as the remaining noise level in the absence of the specific noise source being investigated. For example, if a fan located on a city building is being investigated, the ambient noise level is the noise level from all other sources without the fan running. This would include sources such as traffic, birds, people talking and other nearby fans on other buildings
Anthropogenic	Caused or influenced by humans
AS ISO 14064 [Green = TS16]	AS ISO 14064.1 - 2006: Specification with guidance at the organisation level for quantification and reporting of greenhouse gas emissions and removals
AS/NZS 5334	AS/NZS 5334-2013: Climate change adaptation for settlements and infrastructure - a risk based approach
ASK	ASK Consulting Engineers Pty Ltd
Assessment Background Level	A single-number figure used to characterise the background noise levels from a single day of a noise survey. ABL is derived from the measured noise levels for the day, evening or night time period of a single day of background measurements. The ABL is calculated to be the tenth percentile of the background LA90 noise levels – i.e. the measured background noise is above the ABL 90% of the time
Australian Height Datum (AHD)	The datum that sets mean seal level as a zero elevation
Background Noise Level	The background noise level is the noise level that is generally present at a location at all or most times. Although the background noise may change over the course of a day, over shorter time periods (e.g. 15 minutes) the background noise is almost-constant. Examples of background noise sources include steady traffic (e.g. motorways or arterial roads), constant mechanical or electrical plant and some natural noise sources such as wind, foliage, water and insects
Backhoe Dredger	A mechanical dredger, similar to an excavator which is mounted on a barge. It works by dredging the seabed using the bucket at the end of the excavator arm and placing the dredged material into a hopper barge
Bathymetry	The measurement of underwater depth
Benthic	the ecological zone at the lowest level of the marine environment, including the sediment surface and sub-surface layers
BoM	Bureau of Meteorology
Boutique Class	Cruise ships with 200-1500 passengers
Bulking Factor	The volume occupied by a solid after excavation divided by the insitu volume.
Bund Wall	A constructed retaining wall designed to prevent inundation or breaches from a known source
Burra Charter	A document outlining best cultural heritage practice principles developed by the International Council on Monuments and Sites, Australia
Calibration	A comparison between measurements
Capital dredging	A one-off dredging event for the purpose of expanding the existing channel

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Catchment	The entire areas from which water drains to a specific water course or water body
CH ₄	Methane
Climate Change	Any change in climate over time, whether due to natural variability or as a result of human activity
Climate projection	Projection of the response of the climate system typically based upon climate model simulations
CO	Carbon monoxide
CO ₂	Carbon dioxide
Concept Design	A theoretical or 'concept' plan used for planning purposes only, which will be later refined in detail
Consequential Impact	A type of impact that, while not directly attributable to an activity, can reasonable been understood to have been facilitated or required by the activity to a significant extent
Co-ordinator General	The administrator of the SDPWO Act
Crystal Swing Basin	The principal swing basin currently used by cruise ships to access Wharves 1-5
CSD Project	Cairns Shipping Development Project
Cumulative Impact	The interaction of impacts arising from a development in conjunction with other past, present and reasonably foreseeable future projects
Day	The period between 7am and 6pm.
dB	The decibel (dB) is the unit measure of sound. Most noises occur in a range of 20 dB (quiet rural area at night) to 120 dB (nightclub dance floor or concert).
dBA	Noise levels are most commonly expressed in terms of the 'A' weighted decibel scale, dBA. This scale closely approximates the response of the human ear, thus providing a measure of the subjective loudness of noise and enabling the intensity of noises with different frequency characteristics (e.g. pitch and tone) to be compared.
Decibel	The ratio of sound pressures which we can hear is a ratio of 106:1 (one million: one). For convenience, therefore, a logarithmic measurement scale is used. The resulting parameter is called the 'sound pressure level' (L _p) and the associated measurement unit is the decibel (dB). As the decibel is a logarithmic ratio, the laws of logarithmic addition and subtraction apply
Decibel (A)	The unit used to define a weighted sound pressure level, which correlates well with the subjective response to sound. The 'A' weighting follows the frequency response of the human ear, which is less sensitive to low and very high frequencies than it is to those in the range 500Hz to 4kHz. In some statistical descriptors the 'A' weighting forms part of a subscript, such as LA10, LA90, and LAeq for the 'A' weighted equivalent continuous noise level
Dolphin	Independent berthing and mooring structures
Dredge Footprint	Refers to the outer channel, swing basins, inner channels and berth pockets that will be subject to capital dredging, and subsequent future maintenance, as a result of this project
Dredge Material Placement Area (DMPA)	A designated area where dredge material is placed following dredging activity (either at land or sea)
Dredging	An excavation activity or operation usually carried out at least partly underwater, in shallow seas or fresh water areas with the purpose of gathering up bottom sediments and disposing of them at a different location
DSITI	Department of Science, Information Technology and Innovation
Dust fallout deposition	Dust that has fallen out of the air onto a horizontal surface

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East Trinity	A parcel of land owned and managed by the state government located on the southern bank of Trinity Inlet. It is the preferred land dredge material placement area
Ecosystem	The biotic (living) and abiotic (non-living) environment within a specified location in space and time
EHP	Queensland Department of Environment and Heritage Protection
Elutriate concentrations	The separation of light and heavy particles
Endemic	Naturally occur in a specified area and only in that area
Environmental Impact Statement Guidelines	Guidelines for undertaking an Environmental Impact Statement for the Cairns Shipping Development Project, issued by the Federal Government in March, 2013
Environmental Offset	An activity undertaken to counterbalance a significant residual impact on an environmental matter. It may provide a social, cultural, economic or environmental benefit
Epibenthic/Epifauna	Communities that live upon the bottom of the ocean
EPP (Air)	Queensland Environmental Protection (Air) Policy 2008
Equivalent Continuous Sound Level	An index for assessment for overall noise exposure is the equivalent continuous sound level, Leq. This is a notional steady level which would, over a given period of time, deliver the same sound energy as the actual time-varying sound over the same period. Hence fluctuating levels can be described in terms of a single figure level
Estuarine	An environment or species associated with a partially enclosed coastal body of water. It is a transitional zone between river and maritime environments that are subject to marine and riverine influences
Evening	The period between 6pm and 10pm.
Faecal coliform	A bacteria that originates in the intestines of warm-blooded animals. In general, used as a measure of water quality
FEL	Front end loader
Free-field	The description of a noise receiver or source location which is away from any significantly reflective objects (e.g. buildings, walls).
Frequency	Frequency is the rate of repetition of a sound wave. The subjective equivalent in music is pitch. The unit of frequency is the hertz (Hz), which is identical to cycles per second. A 1000Hz is often denoted as 1kHz, e.g. 2kHz = 2000Hz. Human hearing ranges approximately from 20Hz to 20kHz. For design purposes the octave bands between 63Hz to 8kHz are generally used. The most commonly used frequency bands are octave bands, in which the mid frequency of each band is twice that of the band below it. For more detailed analysis, each octave band may be split into three one-third octave bands or in some cases, narrow frequency bands
Great Barrier Reef Marine Park (GBRMP)	The GBRMP has the same boundary as the GBR Region (see below) except that most trading ports (including the Port of Cairns) are excluded.
Great Barrier Reef Region (GBR Region)	Within the Study Area, the GBR Region includes all waters seaward of low water but not the internal waters and islands of Queensland.
Great Barrier Reef World Heritage Area (GBRWHA)	Within the Study Area, the GBRWHA includes all internal waters and islands of Queensland seaward of low water.
Gross Regional Product	The value of all goods and services produced within a 'region'
Ground Integrity	Criteria used in archaeological assessments to indicate level of ground disturbance
Ground Surface Visibility	Scale used in archaeological assessments to measure visibility of ground surface
Highest Astronomical Tide	The highest tidal level that can be predicted to occur under average meteorological conditions and any combination of astronomical conditions

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Home Porting	A vessel's home port, where maintenance and restocking occurs, and to which the vessel returns after its journey
IFO	Intermediate Fuel Oil
Infauna	Aquatic animals that live in the substrate of a body of water, especially in a soft sea bottom
Inner Harbour	The inner harbour channel commences at the channel 'bend' and terminates at the Main Turning (Swing) Basin
Intermediate Fuel Oil (IFO)	Type of fuel to be stored in fuel storage facility
ISO14001	International Standard for Environmental Management Systems
L ₁	The noise level exceeded for 1% of the measurement period.
L ₁₀	The noise level exceeded for 10% of the measurement period. It is sometimes referred to as the average maximum noise level.
L _{10,15min}	As for L ₁₀ except the measurement intervals are defined as 15 minute duration.
L _{10,adj,T}	As for L ₁₀ except the measurement interval is defined as duration of 'T' and the level is adjusted for tonality or impulsiveness, if required.
L ₉₀	The noise level exceeded for 90% of the measurement period. This is commonly referred to as the background noise level.
L _{90,adj,T}	As for L ₉₀ except the measurement interval is defined as duration of 'T' and the level is adjusted for tonality or impulsiveness, if required.
Landside Infrastructure	The provision and upgrade of services to support the project (includes traffic and access, fuel supply, potable water supply, fire fighting services and discharge of sewage)
L _{eq}	The equivalent continuous sound level, which is the constant sound level over a given time period, which is equivalent in total sound energy to the time-varying sound level, measured over the same time period.
L _{eq,1hour}	As for L _{eq} except the measurement interval is defined as 1 hour duration.
L _{eq,adj,T}	As for L _{eq} except the measurement interval is defined as duration of 'T' and the level is adjusted for tonality or impulsiveness, if required.
L _{eq,T}	As for L _{eq} except the measurement interval is defined as duration of 'T'.
L _{max} OR maxL _{pA}	Maximum sound pressure level.
Low frequency noise	Noise that occurs in the 10 Hz to 200 Hz frequency range, as defined in the Queensland Department of Environment and Heritage Protection (DEHP) EcoAccess "Assessment of Low Frequency Noise" draft guideline document.
Lowest Astronomical Tide	The lowest tidal level that can be predicted to occur under average
L _w	The sound power level of a noise source is its inherent noise, which does not vary with distance from the noise source. It is not directly measured with a sound level meter, but rather is calculated from the measured noise level and the distance at which the measurement was undertaken.
L _{weq}	The sound power level expressed as the equivalent sound level.
m/s	Metres per second
Macro invertebrate	Small animals that for all, or part of their lives in water e.g. beetles, larvae, water fleas
Main Swing Basin	Primarily used by cargo ships and vessels berthing at Cairns Naval Base to manoeuvre
Maintenance Dredging	Ongoing and regular dredging to maintain the existing channel (and the expanded channel). Maintenance dredging is not covered by the CSD Project EIS except if additional dredging is required due to the project.
Maximum Noise Level	The maximum noise level identified during a measurement period. Experimental data has

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	<p>shown that the human ear does not generally register the full loudness of transient sound events of less than 125ms duration and fast time weighting (F) has an exponential time constant of 125ms which reflects the ear's response. Slow time weighting (S) has an exponential time constant of 1s and is used to allow more accurate estimation of the average sound level on a visual display</p> <p>The maximum level measured with fast time weighting is denoted as L_{Amax, F}. The maximum level measured with slow time weighting is denoted L_{Amax, S}</p>
Mega class cruise ships	Cruise ships with 2000+ passengers
Megafauna	Large or giant animals e.g. whales, dolphins, turtles
mg/m ² /day	Milligrams per square metre per day
mg/m ³	Milligrams per cubic metre
Mid-size cruise ships	Cruise ships with 200-2000 passengers
minL ₉₀ and/or Rating Background Level	The background noise levels calculated using the 'lowest 10th percentile' of the L ₉₀ levels in each period of the day. This 'lowest 10th percentile' method is defined in the Queensland Department of Environment and Heritage Protection (DEHP) guidelines.
minL _{90,1hour}	As for minL ₉₀ except the measurement interval is defined as 1 hour duration.
Mitigation	Measures, including any process, activity or design to avoid, reduce, remedy or compensate for adverse impacts of a project
Multi-criteria analysis	A process for assessing a range of options by assigning scores and weightings to criteria
N ₂ O	Nitrous oxide
Naturalness	Absence of apparent modified landforms and habitats. Absence of apparent environmental and species disturbance or damage (including visitor damage)
Nephelometric Turbidity Unit (NYU)	A unit of turbidity which measures light reflected from a given amount of particulates
NEPM	National Environmental Protection (Ambient Air Quality) Measure
Net Present Value (NPV)	The present value of cash inflows and outflows, taking into account the present value of money compared to the value of money in the future
Night	The period between 10pm and 7am.
NO ₂	Nitrogen dioxide
Noise sensitive receiver OR Noise sensitive receptor	The definition can vary depending on the project type or location, but generally defines a building or land area which is sensitive to noise. Generally it includes residential dwellings (e.g. houses, units, caravans, marina), medical buildings (e.g. hospitals, health clinics, medical centres), educational facilities (e.g. schools, universities, colleges),
Northern Sands DMPA	Proposed capital dredged material placement area for soft clays at a void created by historical quarrying activity adjacent to Barron River
NO _x	Oxides of nitrogen including nitric oxide and nitrogen dioxide
NPI	National Pollutant Inventory
Octave band	Ranges of frequencies where the highest frequency of the band is double the lowest frequency of the band. The band is usually specified by the centre frequency, i.e. 31.5, 63, 125, 250, 500 Hz, etc.
Offshore DMPA	Proposed maintenance dredged material placement area offshore of the port
Outer channel	Commences at the channel bend adjacent to beacon number 20 and extends out to sea, to the end of the channel
Outstanding Universal Value	A term used to describe the value of a World Heritage Area as defined under the World Heritage Convention.

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Overflow dredging	A device that discharges fluids from a hopper above a certain level to the marine environment. Sediment laden water is released into the water column
Perflourinated Compound	A chemical compound often used as a component of foams used for fire fighting. Often used as a measure of water quality or toxicants
Photosynthetically active radiation	The spectral range of solar radiation that photosynthetic organisms (e.g. seagrass) are able to use in the process of photosynthesis
Place	Means a geographically defined area. It may include elements, objects, spaces and views. Place may have tangible and intangible dimensions.
Planning Horizon	For climate change – 2090 For GHG emissions - 2028
PM ₁₀	Particulates suspended in air with aerodynamic diameter less than 10 microns
PM _{2.5}	Particulates suspended in air with aerodynamic diameter less than 2.5 microns
Pore Water	Water that occupies the space between sediment particles
Potable Water	Water treated to drinking water standards
Potential Acid Sulfate Soil	Soils that have not been oxidised by exposure to air, but would become acidic upon exposure
ppb	Parts per billion by volume
ppm	Parts per million by volume
Project Area	The immediate footprint of the project, including the shipping channel, preferred marine placement area and wharf upgrades
Project Area	The immediate footprint of the project, consisting of the following: <ul style="list-style-type: none"> Channel project area, including shipping channel, harbour and swing basins, and preferred marine placement area for maintenance dredging material Land-side project area, for wharf upgrades Northern Sands DMPA, including the inlet pipeline corridor and tailwater outlet zone Tingira Street DMPA.
Ramsar convention	An international treaty for the conservation and sustainable use of wetlands
Rating Background level	A single-number figure used to characterise the background noise levels from a complete noise survey. The RBL for a day, evening or night time period for the overall survey is calculated from the individual Assessment Background Levels (ABL) for each day of the measurement period, and is numerically equal to the median (middle value) of the ABL values for the days in the noise survey. This parameter is denoted RBL in NSW, and minLA90,1hour in QLD
RCP 4.5	Emissions scenario with GHG emissions peaking around 2040 followed by decline, i.e. a 'low' emissions scenario
RCP 8.5	Emissions scenario with GHG emissions continuing to rise throughout 21st Century
Regional Ecosystem	Vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil
Remoteness	Absence of settlement (or distance from population centres). Absence of human presence or intervention in the landscape (structures & changes). Absence of obvious accessibility
Residual Impact	An impact of the project that remains once all mitigation measures or actions have been taken to reduce or eliminate the impact
Resilience	The ability of an ecosystem or species to adapt to a stress or adverse environment
Resilience	The capacity of a system to resist disturbance and undergo change while still retaining

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	essentially the same function, structure, intensity, and feedbacks
Resuspension	The re-mobilisation of sediment particles that have been previously mobilised by currents and other processes.
Reverberant field	The description of a noise receiver or source location which is in a room or near significant reflective objects (e.g. surrounded by walls).
Sampling and Analysis Plan	A plan for characterising the physical and chemical properties of the proposed dredged sediment, prepared in accordance with the NAGD and approved by the GBRMPA
Scope 1 emissions	Direct GHG emissions owned or controlled by a proponent
Scope 2 emissions	Indirect GHG emissions associated with electricity supplied from external sources
Scope 3 emissions	Indirect GHG emissions not owned or controlled by proponent
Sensitive Receptor	A human or ecological that may potentially be sensitive to disturbance from an action
Sensitivity testing	Testing the robustness of an analysis by considering the effect on the outcome of systematically varying the weight given to various parameters
SF6	Sulphur hexafluoride
Ship simulation	A model used to determine channel dimensions and its navigability for vessels
Significance	Aesthetic, historic, scientific, social or spiritual value for past, present or future generations
Significant Impact	A description used to estimate the scale or level of impact of an action
Smiths Creek Swing Basin	A proposed relocation of the Main Swing Basin to Senrab Point and the Tropical Reef Shipyard
SO ₂	Sulphur dioxide
Solitude	Absence of people other than one's companions
Sound Power Level	The sound power level (L _w) of a source is a measure of the total acoustic power radiated by a source. The sound power level is an intrinsic characteristic of a source (analogous to its volume or mass), which is not affected by the environment within which the source is located
Sound Pressure Level	The threshold of hearing is 0dB, while the threshold of pain is approximately 120dB. Normal speech is approximately 60dBLA and a change of 3dB is only just detectable. A change of 10dB is subjectively twice, or half, as loud
Spiritual	
Study Area	
TAPM	The Air Pollution Model developed by CSIRO and used by ASK for meteorological modelling
Terms of Reference	
Threshold Value	A quantifiable amount, over which an impact may be experienced beyond natural variation
Tingira Street DMPA	Proposed dredge material placement area for stiff clays at existing port land on Tingira Street, consisting of northern and southern subsets
Trailer Suction Hopper Dredger	A self-propelled sea going dredger equipped with a hopper. Dredging is undertaken via a draghead which is connected to a suction pipe to fill the hopper
Trailer Suction Hopper Dredger	A self-propelled sea going dredger equipped with a hopper. Dredging is undertaken via a draghead which is connected to a suction pipe to fill the hopper
Tranquillity	Absence of discordant and intrusive sounds, smells and sights.
Trigger Values	Values (ecological or water-related), which, when exceeded, will 'trigger' the need for the implementation of management measures
TSHD	Trailing suction hopper dredge

TERM	REFERENCE
TSP	Total particulates suspended in air
Turbidity	A measurement of the amount of suspended material within a fluid
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTM	Universal Transverse Mercator coordinate system
VOCs	Volatile organic compounds
Waderbird	A shorebird that is long-legged e.g. storks, herons
Yorkeys Knob	A suburb of Cairns, where some cruise ships anchor off, at sea
Yorkeys Knob	A suburb of Cairns, where some (large) cruise ships anchor off, at sea and where passengers disembark
Zone of impact	A value used to assess the potential impact to marine quality and ecologically sensitive areas from the project
Zone of Influence	The probable maximum extent of detectable dredge plumes

Abbreviations

Abbreviation	Reference
AASS	Actual Acid Sulfate Soils
ACH Act	Aboriginal Cultural Heritage Act 2003 (Qld)
AEP	Average Exceedance Probability
AHC	Australian Heritage Council
AHD	Australian Height Datum
AHD	Australian Height Datum
AHPI	Australian Heritage Places Inventory
AMSA = TS15	Australian Maritime Safety Authority
AMSDB	Australian Maritime Sites Database
AQIS	Australian Quarantine and Inspection Service
AR5	IPCC Fifth Assessment Report
ARCHAEO	ARCHAEO Cultural Heritage Services P/L
ARI	Average Recurrence Interval
ARRT	Advanced Resource Recovery Technology
AS/NZS	Australian standard/New Zealand standard
AS/NZS	Australian standard/New Zealand standard
ASS	Acid Sulfate Soil
BaU	Business as Usual
BCT	Brisbane Cruise Terminal
BHD	Back Hoe Dredger
BIRA	Biosecurity Import Risk Analysis
BoM	Bureau of Meteorology
BPPH	Benthic Primary Producer Habitat
C&D	Construction and Demolition waste
C&I	Commercial and Industrial waste
c.	Circa (about)
CAMBA	China–Australia Migratory Bird Agreement
CBD	Central Business District
CCLT	Cairns Cruise Liner Terminal
CCLT	Cairns Cruise Liner Terminal
CCLT	Cairns Cruise Liner Terminal
CD	Chart datum
CG	Office of the Co-ordinator General
CHB	Cairns Harbour Board
CHCU	Cultural Heritage Coordination Unit
CHL	Commonwealth Heritage List
CHMP	Cultural Heritage Management Plan

Abbreviation	Reference
CHS	Cairns Historical Society
CIA	Cumulative Impacts Assessment
CLR	Contaminated Land Register
CMP	Conservation Management Plan
CO2-e	Carbon dioxide equivalent
Coastal Act	Coastal Protection and Management Act 1995 (Qld)
Converge	Converge Heritage + Community
CPA	Cairns Port Authority (now Ports North)
CRC	Cairns Regional Council
CSD	Cairns Shipping Development
CSD	Cairns Shipping Development Project
CSDP	Cairns Shipping Development Project (subject to this EIS)
DAF	The Department of Agriculture and Fisheries, Queensland (formerly DAFF)
DAFF	The Department of Agriculture, Fisheries and Forestry, Queensland (now DAF)
DATSIMA	Department of Aboriginal and Torres Strait Islander and Multicultural Affairs
dB	Decibel
DEHP	Department of Environment and Heritage Protection
DEM	Digital Elevation Model
DERM	Department of Environment and Resource Management
DIWA	Directory of Important Wetlands in Australia
DMPA	Dredge Material Placement Area
DMPA	Dredge Material Placement Area
DMPA	Dredge Material Placement Areas
DNPRSR	Department of National Parks, Recreation, Sport and Racing (now NPRSR)
DNPSR	Department of National Parks, Sport and Racing (formerly DNPRSR)
DNRM	Department of Natural Resources and Mines
DO	Dissolved Oxygen
DOAWR	Department of Agriculture and Water Resources
DoEE	Department of the Environment and Energy (Commonwealth)
DoEE	Department of the Environment and Energy (Commonwealth)
DSC	Douglas Shire Council
DSDIP	Department of State Development, Infrastructure and Planning
DSM	Digital Surface Model
DTM	Digital Terrain Model
EHP	(Department of) Environment and Heritage Protection (Queensland)
EHP	(Department of) Environment and Heritage Protection (Queensland)
EIS	Environmental Impact Statement
EIS	Environmental Impact Statement

Abbreviation	Reference
EIS	Environment Impact Statement
EMP	Environmental Management Plan
EMR	Environmental Management Register
EMS	Environmental Management System
EMS	Environmental management system
EP Act	Environmental Protection Act 1994 (Qld)
EP Act	Environment Protection Act 1994
EPA	Environmental Protection Agency
EPA	Environmental Protection Agency
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999 (Cth)
EPP	Environmental Protection Policy (water, air, waste, noise)
EPP Water	Environmental Protection (Water) Policy 2009
ERA	Environmentally Relevant Activity
EVs	Environmental Values
FHA	Fish Habitat Area
GBR	Great Barrier Reef
GBRMP	Great Barrier Reef Marine Park
GBRMP	Great Barrier Reef Marine Park
GBRMP Act	Great Barrier Reef Marine Park Act 1975
GBRMP Regulations	Great Barrier Reef Marine Park Regulations 1983
GBRMPA	Great Barrier Reef Marine Park Authority
GBRMPA	Great Barrier Reef Marine Park Authority
GBRWHA	Great Barrier Reef World Heritage Area
GHG	Greenhouse gas
GHG Protocol	World Business Council for Sustainable Development/World Resources Institute for Greenhouse Gas Protocol; A Corporate Accounting and Reporting Standard
GHS	Global Harmonized System of Classification and Labelling of Chemicals
GI	Ground Integrity
GOCA 1993	Government Owned Corporations Act 1993
GSV	Ground Surface Visibility
GWP	Global warming potential
HAT	Highest Astronomical Tide
HAT	Highest Astronomical Tide
HES	High Ecological Significance (wetland)
HFCs	Hydrofluorocarbons
HFO	Heavy fuel oil
HLC	Heavy Landing Craft
HSA	Historic Shipwrecks Act 1996

Abbreviation	Reference
IAS	Initial Advice Statement
IBC	Intermediate Bulk Container
ICH	Indigenous Cultural Heritage
ICOMOS	International Council on Monuments and Sites
IFO	Intermediate Fuel Oil (IFO)
IFO	Intermediate Fuel Oil
IFO	Intermediate Fuel Oil
IMO	International Maritime Organisation
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organisation for Standardisation
JAMBA	Japan–Australia Migratory Bird Agreement
L/s	Litres per second
LAT	Lowest Astronomical Tide
LAT	Lowest Astronomical Tide
LHD	Landing Helicopter Dock
LHR	Local Heritage Register
LiDAR	<u>L</u> ight <u>D</u> etection <u>A</u> nd <u>R</u> anging
LTDMDMP	Long Term Dredge Material Disposal Management Plan
m ³	Cubic Metres
MARPOL	International Convention for the Prevention of Pollution from Ships
MCA	Multi Criteria Analysis
mg/L	milligrams per litre
MGO	Marine Gas Oil
ML	Mega-litres
ML/day	Mega-litres per day
MNES	Matters of national environmental significance (under the EPBC Act)
MRF	Materials Recovery Facility
MSC	Mareeba Shire Council
MSDS	Materials Safety Data Sheet
MSES	Matters of state Environmental Significance (under the Sustainable Planning Act 2009)
MSQ	Maritime Safety Queensland
MSQ	Maritime Safety Queensland
MSW	Municipal Solid Waste
NAGD	National Assessment Guidelines for Dredging
NC Act	Nature Conservation Act 1992 (Qld)
NCCARF	National Climate Change Adaptation Research Facility
NEPM	National Environmental Protection Measures
NGA	National Greenhouse Accounts

Abbreviation	Reference
NGA	National Greenhouse Accounts
NGER Act	National Greenhouse and Energy Reporting Act 2007 (Cth)
NHL	National Heritage List
NICH	Non-Indigenous Cultural Heritage
nm	Nautical miles
NPV	Net Present Value
NRM	Natural Resource Management
NT Act (Cth)	Commonwealth Native Title Act 1993
NT Act (Qld)	Nature Title (Queensland) Act 1993
NT agreement	Native title agreement
NTDA	Native Title Determination Application
NTU	Nephelometric Turbidity Unit
NWQMS	National Water Quality Management Strategy
NZBCSD	New Zealand Business Council for Sustainable Development
OCV	Offshore Combatant Vessels
OUV	Outstanding Universal Value
PAR	Photosynthetically Active Radiation
PASS	Potential Acid Sulfate Soils
PASS	Potential Acid Sulphate Soils
PCTI	Port of Cairns and Trinity Inlet Wetland
PFC	Perflourinated Compound
PFCs	Perfluorocarbons
pH	a measure of the acidity or basicity of an aqueous solution
ppm	Parts per million
PSSA	Particularly Sensitive Sea Area
QHA	Queensland Heritage Act 1992
QHC	Queensland Heritage Council
QHR	Queensland Heritage Register
QLD	Queensland
QWQG	Queensland Water Quality Guidelines 2009
RCP	Representative Concentration Pathway
RE	Regional Ecosystem
REDD	Regional Ecosystem Description Database
REF	Review of Environmental Factors
RHM	Regional Harbour Master
RHM	Regional Harbour Master
RL	Reduced Level
RNE	Register of the National Estate (former)

Abbreviation	Reference
ROKAMBA	Republic of Korea–Australia Migratory Bird Agreement
SAP	Sampling Analysis Plan
SCL Act	Strategic Cropping Land Act 2011 (Qld)
SDPWO Act	State Development and Public Works Organisation Act 1971 (Qld)
SEWPaC	Department of Sustainability, Environment, Water, Population and Communities (now Department of the Environment and Energy)
SEWPaC	Department of Sustainability, Environment, Water, Population and Communities
SIA	Social Impact Assessment
SNP	Self-Neutralising Potential Acid Sulphate Soils
SP Act	Sustainable Planning Act 2009 (Qld)
SRES	IPCC Special Report on Emissions Scenarios
SWMF	Springmount Waste Management Facility
TACC	Advisory Consultative Committee
TI Act	Transport Infrastructure Act 1994 (Qld)
TOMPA	Transport Operations (Marine Pollution) Act 1995
TOMPA	Transport Operations (Marine Pollution) Act 1995
TOR	Terms of Reference
ToR	Queensland government Coordinator General Terms of Reference
TORUM Act	Transport Operations (Road Use Management) Act 1995 (Qld)
tpa	Tonnes per Annum
TSHD	Trailer Suction Hopper Dredger
TSHD	Trailer Suction Hopper Dredger
TSP	Total Suspended Particulates
TSS	Total Suspended Solids
um	Micrometres
UNESCO WHA/S	UNESCO World Heritage Area/Site
VM Act	Vegetation Management Act 1999 (Qld)
WHA	World Heritage Area
WHL	World Heritage List
WMP	Waste Management Plan
WPA	Wetland Protection Area
WQOs	Water Quality Objectives
WRR Act	Waste Reduction and Recycling Act 2011
WSSR Act	Water Supply (Safety and Reliability) Act 2008 (Qld)
WWTP	Wastewater Treatment Plant
ZVI	Zone of Visual Influence
µg/L	micrograms per litre