

15 GLOSSARY, ABBREVIATIONS & ACRONYMS

15.1 Glossary

TERM	DEFINITION
Allseas	Allseas Group S.A. is a Swiss-based offshore contractor specialising in subsea construction and strategic partner with NORI designing the PCV and riser system.
Collector Test	Testing of the prototype collector vehicle (PCV), nodule processing system, the nodule riser system, surface processing onboard the SSV and the discharge of the return water.
Collector Test EIA	Environmental Impact Assessment of activities associated with the Collector Test, a sub-component of the commercial ESIA.
Collector Test EIS	Environmental Impact Statement provides a description of the Project, the potential environmental impacts, environmental risks and hazards, risk management measures and monitoring programs relating to the Collector Test (i.e., the current document)
Production (mid-water) plume	The plume generated by the return of surface processing water into the water column at -1,200 m during system testing (i.e., nodule production)
Operational (benthic) plume	The plume generated by the PCV at the seabed during system testing (i.e., nodule production)
commercial EIS	Commercial Environmental Impact Statement that will be conducted as part of NORI's application for a commercial mining contract
commercial EMMP	Commercial Environmental Management and Monitoring Plan
commercial ESIA	Environmental and Social Impact Assessment conducted in support of NORI's application for a commercial permit to the ISA
nodule production	Nodules collected by the PCV, processed, and transported to the SSV via the riser system. This will create an Operational (benthic) plume. Nodules will undergo surface processing and the return water will be discharged. This discharge will create a Production (mid-water) plume.
nodule processing system	Separation of nodules from sediment within the PCV (i.e., on the seafloor)
surface processing	Separation of nodules from water, nodule fragments and/or entrained sediments. Generates the return water.
Sediment spill	Sediment generated by an activity or system component
TF (Area 6)	A 2 km x 4 km sub-division of the Pilot Mining Area in which Collector Test operations will be conducted.
Wider NORI-D	Sample locations outside of the CTA and/or PRZ

15.2 Abbreviations & Acronyms

ABBREVIATION/ ACRONYM	DEFINITION
ADCP	Acoustic doppler current profiler
Ag	Silver
ALARP	As low as reasonably practicable
APEI	Area of particular environmental interest
APP	Application
Au	Gold
AUV	Autonomous underwater vehicle

ABBREVIATION/ ACRONYM	DEFINITION
BACI	Before-After-Control-Impact
bar	Metric unit of pressure
BBL	Benthic Boundary Layer
Ca	Cadmium
CCZ	Clarion-Clipperton zone
CLARA	Clustering large applications
cm	Centimetre
Co	Cobalt
CTA	Collector Test Area
CTD	Conductivity temperature depth
Cu	Copper
DO	Dissolved oxygen
DOC	Dissolved organic carbon
DP	Dynamic Positioning
DVL	Doppler velocity log
DWT	Deadweight tonnage
EcoQS	Ecological quality status
eDNA	Environmental Deoxyribonucleic Acid
EIA	Environmental impact assessment
EIS	Environmental impact statement
EMMP	Environmental monitoring and management plan
ERL	Effects range low
ERM	Effects range medium
ERP	Emergency response plan
ESIA	Environmental and social impact assessment
<i>et al</i>	And others
FMECA	Failure Mode Effects Criticality Analyses
Fe	Iron
g	Gram
GEBCO	General bathymetric chart of the oceans
GHG	Greenhouse gas
HAT	Harbour Acceptance Trial
HD	Hydrodynamic
HIRA	Hazard Identification and Risk Assessment
HPU	Hydraulic power unit
HYCOM	Hybrid Coordinate Ocean Model
ICP-MS	Inductively coupled plasma mass spectrometry
IMO	International maritime organisation
INS	Inertial navigation system
IRZ	Impact reference zone
ISA	International seabed authority
ITCZ	Intertropical convergence zone
kg	Kilogram
kg/m ²	Kilograms per square metre
kHz	Kilohertz
km	Kilometre
km ²	Square Kilometre
kW	Kilowatt
l	Litre

ABBREVIATION/ ACRONYM	DEFINITION
LARS	Launch And Recovery System
Lat	Latitude
LBL	Long Baseline Acoustic Positioning System
Long	Longitude
m	Metre
m/s	Metres Per Second
m ³ /s	Cubic Metres Per Second
MARPOL	International Convention for the Prevention of Pollution from Ships
MBES	Multibeam Echosounder
mbsl	Metres Below Sea Level
MEDEVAC	Emergency Medical Evacuation
metocean	Meteorology And (Physical) Oceanography.
mg	Milligram
mg/l	Milligrams Per Litre
MI	Maturity Index
mm	Millimetre
Mn	Manganese
MW	Megawatt
NECC	North Equatorial Counter Current
NH ₄ ⁺	Ammonia
Ni	Nickel
NO ₂ ⁻	Nitrite
NO ₃ ⁻	Nitrate
NORI	Nauru Ocean Resources Inc
NORI-D	Nauru Ocean Resources Inc Contract Area D
NTU	Nephelometric Turbidity Units
OMZ	Oxygen Minimum Zone
OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic
OTUs	Operational Taxonomic Units
PC	Particulate Carbon
POC	Particulate Organic Carbon
PCV	Prototype Collector Vehicle
pH	Measure of Acidity/Alkalinity
PK	Zero-To-Peak Sound Pressure Level
PO ₄ ³⁻	Phosphate
PRZ	Preservation Reference Zone
PSSA	Particularly Sensitive Sea Areas
psu	Practical Salinity Unit
PTS	Permenant Threshold Shift
ROV	Remotely Operated Vehicle
SAR	Static Acoustic Recorder
SAT	Sea Acceptance Trial
SCOC	Sediment Community Oxygen Consumption
SiO ₂	Silica
SLAM	Simultaneous Localisation And Mapping
SOFAR	Sound Fixing and Ranging Channel (Brand Name)
SPL	Sound Pressure Level
SSV	Surface Support Vessel
TC	Total Carbon

ABBREVIATION/ ACRONYM	DEFINITION
TDI	Trophic Diversity Index
TF	Test Field
TIC	Total Inorganic Carbon
TOC	Total Organic Carbon
TOML	Tonga Offshore Mining Limited
TSS	Total Suspended Solids
TTS	Temporary Threshold Shift
USBL	Ultrashort Baseline Acoustic Position System
VEC	Valued Ecosystem Component
W	Watt
WET	Whole Effluent Toxicity
WND	Wider NORI-D
Zn	Zinc
µg/l	Micrograms Per Litre
<	Less than
≤	Less than or equal to
>	Greater than
≥	Greater than or equal to

16 STUDY TEAM

The following people have contributed to writing sections of this EIS.

Table 16-1. Study team & section contributors

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12. Environmental Management, Monitoring & Reporting	Michael Clarke
13. Consultation & Review	Multiple
14. Conclusions & Recommendations	Multiple
15. Glossary, Abbreviations & Acronyms	N/A
16. Study Team	N/A
17. References	N/A
18. Appendices	N/A

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