

COLLECTOR TEST STUDY

ENVIRONMENTAL MANAGEMENT AND

MONITORING PLAN

Testing of polymetallic nodule collector system components in the NORI-D contract area, Clarion-Clipperton Zone, Pacific Ocean

Submitted to:

International Seabed Authority
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TERMS & DEFINITIONS

TERM	DEFINITION
ADCP	Acoustic Doppler Current Profiler
ALT	Altitude
AUV	Autonomous Underwater Vehicle
BACI	Before-After-Control-Impact
BBL	Benthic Boundary Layer
CCZ	Clarion Clipperton Zone
CL	Camera Lander
CNT	Control Site
CPT	Cone Penetration Test
СТА	Collector Test Area
CTD	Conductivity Temperature Depth
DHI	Danish Hydraulic Institute
DO	Dissolved Oxygen
DP	Dynamic Positioning
DTM	Digital Terrain Model
DVL	Doppler Velocity Logger
ECK	Eckerd College
EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
EMMP	Environmental Monitoring and Mitigation Plan
ESIA	Environmental & Social Impact Assessment
FIA	Flow Injection Analysis
FSU	Florida State University
GPS	Global Positioning System
HAMMER	Hydro Acoustic Modelling for Mitigation and Ecological Response
HAT	Harbour Acceptance Test
HDG	Heading
HTR	Harvester Test Run
HW	Heriot-Watt University
ID	Identification
IRZ	Impact Reference Zone
IMO	International Maritime Organization
ISA	International Seabed Authority
LARS	Launch and Recovery System
LBL	Long Baseline
LDPE	Low-Density Polyethylene
LISST	Laser In-Situ Scattering and Transmissometery
LOAEC	Lowest Observable Effect Concentrations
MBES	Multibeam Echosounder
MIDAS	Managing Impacts of Deep-seA reSource exploitation



TERM	DEFINITION
MUX	Multiplexers
NB	Nota Bene
NHM	Natural History Museum
NOAEC	No Observable Effect Concentrations
NOC	National Oceanography Centre
NORI	Nauru Ocean Resources Inc
NTU	Nephelometric Turbidity Unit
OMZ	Oxygen Minimum Zone
OSV	Offshore Support Vessel
PC	Particulate Carbon
PCV	Prototype Collector Vehicle
PEP	Project Execution Plan
PMT	Pilot Mining Test
PN	Particulate Nitrogen
POB	Person On Board
PIZ	Primary Impact Zone
PSZ	Plume Settling Zone
PR	Production Run
PRZ	Preservation Reference Zone
QA/QC	Quality Assurance / Quality Control
RAM	Range-dependent Acoustic Model
RL	Respirometer Lander
ROV	Remotely Operated Vehicle
SAMS	Scottish Association for Marine Science
SAT	Sea Acceptance Test
SOP	Standard Operating Procedure
SSTF	Small-Scale Test Field
SSV	Surface Support Vessel
STR	System Test Run
TAMU	Texas A&M University
TBD	To Be Determined
TF	Test Field
TL	Trap Lander
TMC	The Metals Company
TOML	Tonga Exploration Area
TSS	Total Suspended Sediment
UH	University of Hawaii
UM	University of Maryland
UnaCorda	Underwater Acoustic Propagation Model
USBL	Ultra-Short Baseline
UJBL	Oltra Short Baseline



TERM	DEFINITION
UTC	Coordinated Universal Time
UTM	Universal Transverse Mercator
WET	Whole Effluent Toxicity
WGS	World Geodetic System



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