

HENDRICKS, JOSHUA

Name of Organisation: Lwandle Technologies (Pty) Ltd
Profession: Marine Biologist
Position in Firm: Marine Environmental Scientist and Technician
Date of Birth: 05/10/1994
Years with Firm: 6 Months

BIOGRAPHICAL SKETCH

Joshua has a background in marine biology, with a specific interest in marine parasitology and ecology. He completed his undergraduate and BSc Hons in Marine Biology at the University of Cape Town, after which he went on to completing his MSc in 2019 (UCT), which described the parasite assemblage of chub mackerel in South Africa and compared it to populations elsewhere.

Joshua began working as a field work intern at Lwandle in April 2019, where he collected data during boat trips on a weekly basis. He then did a three-month internship from July 2019 and subsequently joined Lwandle as a Marine Scientist and Technician in October 2019. His tasks include oceanographic instrumentation, data collection and processing as well as GIS mapping

EDUCATION

MSc Marine Biology	University of Cape Town, Cape Town	2017-2019
BSc (Hons) Marine Biology	University of Cape Town, Cape Town	2016
BSc	University of Cape Town, Cape Town	2013-2015

EMPLOYMENT RECORD

Oct 2019 – Current	Marine Environmental Scientist and Technician, Lwandle Technologies, Cape Town, South Africa
Jul 19 – Sep 2019	Marine Environmental Assistant, Lwandle Technologies, Cape Town, South Africa
Apr 19 – Jun 19	Field work intern, Lwandle Technologies, Cape Town, South Africa

KEY EXPERIENCE

An abridged list of Joshua's project experience is presented below:

2019	Performed site maintenance visit as a technician on a long-term, HF radar surface current monitoring system off South Africa's south-east coast, Actimar (France)
2019	Data collection and CTD mooring configuration and deployment for a desalination plant site selection sampling campaign, City of Cape Town
2019	Data collection and GIS mapping for a desalination monitoring programme at three sites, City of Cape Town
2019	Data collection and GIS mapping for macrobenthos and sediment monitoring in two harbors (St Helena and Lamberts Bay), SRK

TECHNICAL EXPERIENCE

2019	Serviced Seabotix LBV 150 ² ROV and replaced camera tilt band, Lwandle Technologies
2019	Troubleshoot and resolved Wi-Fi connectivity issue on an RBR Maestro 3, University of Cape Town

- 2019 Calibration of YSI EXO2 sondes for profiling and mooring deployments, Lwandle Technologies
- 2019 Mooring and instrument configuration for the deployment of 11 YSI EXO2 sondes in Table Bay and False Bay for a desalination plant site selection sampling campaign, City of Cape Town
- 2019 Teledyne ADCP setup and configuration for deployment in Table Bay for a desalination plant site selection sampling campaign, City of Cape Town
- 2019 Setup and configuration of three thermistor string moorings for an outfall monitoring campaign, City of Cape Town
- 2019 Setup and configuration of three Teledyne ADCPs for an outfall monitoring campaign, City of Cape Town
- 2019 Multiple Teledyne ADCP setups for deployment in Duynfontein for a metocean measurement programme, PRDW
- 2019 Setup and configuration of a Campbell Scientific CR1000 logger providing live barometer data for a metocean measurement programme, PRDW
- 2019 Assisted with setup of a DB-125 buoy with Campbell Scientific CR1000 datalogger providing live turbidity data during a dredging campaign, TNPA