

Andrew Brillon

Project Data Processor

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TDI-Brooks International, Inc.

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PROFESSIONAL EXPERIENCE

- Project Data Processor, TDI-Brooks International, 2023 - Present
- Marine Surveyor, Fugro Marine USA, 2021 – 2022
- Environmental Geophysicists, TxDOT, 2019, 2020
- Environmental Geologist Intern, Hydrex Environmental, 2017

KEY ACHIEVEMENTS – TDI BROOKS INTERNATIONAL, INC.

- Proficient in Qinsy navigation software for planning and executing job specific tasks
- Experienced in Qimera multibeam processing including data QC in real time of data collected while surveying
- Proficient in the use and operations of Norbit multibeam echosounder system and Innomar sub-bottom profiler during survey operations
- Experienced with iXblue Gaps USBL system – Applied Acoustics Easytrak Pyxis INS USBL system – Kongsberg HiPAP 352 SSBL system
- Experienced with the deployment and recovery of towed survey equipment including Edgetech SSS, Geometrics TVG, GeoMarine Multi-Layer Sparker, and USBL transceiver systems
- Proficient in the use of FMGT backscatter processing to create high-resolution seafloor mosaics
- Experienced in CARIS HIPS and SIPS multibeam data processing
- Experienced in Global Mapper conducting geospatial analysis of processed data

KEY ACHIEVEMENTS – FUGRO MARINE, USA

- Gained comprehensive knowledge in offshore survey positioning services for the oil and gas industry
- Conducted pre-site investigations using multibeam echosounder and side-scan sonar to characterize seafloor features and identify potential geohazards
- Installed, calibrated, and operated subsea survey sensors of vessels and remotely operated vehicles
- Mobilized and configured submersible and semi-submersible vessels using Fugro Starfix marine navigation software
- Routinely monitored vessel position and data quality of underwater acoustic positioning systems during geophysical and bathymetric surveys
- Maintained clear and effective communication with client representatives and project managers while remotely operating at sea
- Offshore certification: OPITO BOSIET (CA-EBS), IADC RigPass, Qualified Rigger API RP 2D, Swing Rope/Personnel Transfer, First Aid/CPR/AED/BBP, Fall Protection
- Holder of valid TWIC (Transportation Worker Identification Credential)

FORMAL EDUCATION

- M.Sc., Geology & Applied Geophysics, Stephen F. Austin State University, Nacogdoches, TX. (2018-2021)
 - Minor: Geospatial Science
- B.S., Geology, Stephen F. Austin State University, Nacogdoches, TX. (2013-2018)
 - Minor: General Business

PROFESSIONAL SKILLS

- ESRI ArcGIS, ERDAS IMAGINE, QGIS
- Qinsy, Qimera, FMGT, SonarWiz, WinFrog
- MS Office (Excel, Outlook, PowerPoint, Word)