



Andrew Brillon

Project Data Processor

andrewbrillon@tdi-bi.com, (281) 797-3872

TDI-Brooks International, Inc.

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

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 survey traverse lines
- Experienced with iXblue GAPS USBL and Applied Acoustics PYXIS USBL software systems
- Gained competency in NORBIT MBES and Innomar SBP processing systems
- 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 editing
- Experienced in Global Mapper for mosaic offset adjustments and general geospatial analysis

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.
- Minor: Geospatial Science
- B.S., Geology, Stephen F. Austin State University, Nacogdoches, TX.,
- Minor: General Business

PROFESSIONAL SKILLS

- ESRI ArcGIS, ERDAS IMAGINE, QGIS, StarfixNG, Qinsy
- Applied Acoustics Pyxis USBL, iXblue GAPS USBL, SonTek CastAway-CTD, Trimble GNSS
- MS Office (Excel, Outlook, PowerPoint, Word)