**ENOCK BUNYON**

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**EDUCATION**

**The Pennsylvania State University, University Park, PA**

*M.S. in Geosciences August 2022 - Ongoing*

*Relevant coursework:* Hydrology | Data Analysis | Hydrogeology | Modeling

**Utica University**

*B.S. in Geosciences; CGPA: 3.4 August 2015 – May 2019*

*Relevant coursework:* Geochemistry | hydrology

**PUBLICATIONS AND PRESENTATIONS**

* C. S. Blaszczak-Boxe, Wang, S., Bolokov, N., Yao, Y.C., Riyad, M., Hamid, B., Bunyon, E., Smith, K., Zenker, Z., & Shin, J.Y., Quantification of Heavy Metals in NYC Residential and Commercial Potable Water Systems, Journal of Exposure & Health, submitted.
* C. S. Blaszczak-Boxe, Shin, J. Y., Artigas, F., Yao, Y., Riyad, M., and Hamid, B., Bunyon, E., Smith, K., & Zenker, Z, Temporal Variation of NOx, O3, and CO2 and Meteorological Influences in New York and New Jersey Urban Atmospheres: implications for public health, Atmospheric Environment, submitted.
* Bunyon, Enock Q.\*; Schoonmaker, Adam: GEOCHEMICAL STUDY OF LIKELY CAMBRIAN OR ORDOVICIAN AGE ROCKS OF THE AVERY BROOK FORMATION AND AN UNNAMED TONALITE NEAR CAUCOMGOMOC LAKE, NORTHERN MAINE.

 **HONORS AND ACHIEVEMENTS**

* **Utica University Student Research Conference**, Won the Leading The Way award for excellence in undergraduate research, 2019.
* **Research Experience in Geochemistry,** worked with the Associate Dean of Natural Science and Mathematics studying Ordovician age volcanic in Northern Maine, 2018**.**
* **Utica University Dean’s List**, selected to be on the Dean’s list, 2018, 2019.

**WORK EXPERIENCE**

**The Pennsylvania State University, Department of Geosciences**  University Park, PA

* Graduate Teaching Assistant: Environmental Geochemistry (Fall 2022) *Aug 2022 – Ongoing*

**EA Engineering, Science, and Technology** Syracuse, NY

* **Phase 2 Remedial Action at the Puchack Well Field Superfund Site, Pennsauken, New Jersey; U.S. Army Corps of Engineers–Kansas City District (2020-2022); Geologist­­­­—**Supported the second phase of remedial action at the Puchack Well Field Superfund Site in Pennsauken, New Jersey, which involves the injection of sodium lactate to treat hexavalent chromium plumes in three overburden aquifers. EA’s scope of work includes installing approximately 100 injection, monitoring, or extraction wells (being performed by a subcontractor), baseline sampling of new and existing wells, injection operations, and performance monitoring. Collected samples for laboratory analysis and performed onsite screening for hexavalent chromium and ferrous iron using a HACH kit. Collected weekly amended samples from the various injection trailers to analyze for chemical oxygen demand onsite. Managed data from vertical Well installation (drilling), groundwater sampling, transducers, gamma logging, and injection trailer operations.
* **Admiral Cleaners, Watervliet, New York; New York State Department of Environmental Conservation (2020-2021); Geologist—**This task order included the performance of soil vapor intrusion evaluations, remedial investigation, and feasibility study to delineate soil, soil vapor, and groundwater contamination from a former dry cleaner located in an urban area surrounded by commercial and residential properties. Participated in the Phase II during temporary borehole installation and soil sampling in March 2020.
* **Cornell-Dubilier Electronics Superfund Site Groundwater Long-Term Monitoring, Middlesex County, South Plainfield, New Jersey; U.S. Army Corps of Engineers–Kansas City District (2019-2022); Geologist—**This task order involves the implementation of a long-term monitoring program consisting of semi-annual groundwater sampling to address PCB and chlorinated solvent contamination in groundwater and evaluate the potential for natural attenuation and biodegradation. The prepared text regarding the nature and extent and trend analysis of VOCs (trichloroethene and dichloroethene), PCBs, metals, and pesticide concentrations within shallow, intermediate, and deep groundwater intervals for the Year 1 Long-Term Monitoring Report. Participated in the June 2020 annual sampling event, which included sampling onsite and offsite FLUTe wells for PCBs, VOCs, metals, and pesticides utilizing the U.S. Environmental Protection Agency SCRIBE methodology.

**TECHNICAL AND COMMUNICATION SKILLS**

**Software Tools:** ArcGIS, MinPet, Surfer 2D-3D Modeling

**Professional Tools:** Gamma-ray log, Water Quality sensors, Downhole Well camera

**Communication Skills**: Fluent in English, Twi, Fanti, and Ewe. Adept Communicator/Leader, Scientific Writer, initiative, and Critical Thinker

**Programming Language**: MATLAB, Python Beginner

**PROFESSIONAL CERTIFICATION AND ORGANIZATION**

**Professional Certification**

* **Applied Groundwater Flow and Contaminant Transport Modeling using Visual MODFLOW Flex (**Issued Oct 2020 – No Expiration Date)
* **OSHA 40-Hour HAZWOPER Training**

(Issued Aug 2019 – No Expiration Date)

* **OSHA 8-Hour HAZWOPER Supervisor Training**

(Issued Dec 2019 – No Expiration Date)

**Professional Organization**

* **American Geophysical Union**; Student Member *August 2022 - Present*
* ***The Geological Society of America****;* Student Member *March 2018 - Present*