

Jordan J. Baker

3190 Susquehanna Trail Duncannon, PA 17020 • 717.521.9124 • jrbaker@hr-g-inc.com

EXPERIENCE

Herbert, Rowland and Grubic (Inc)

Engineering Technician

Harrisburg, PA

April 2021 – Present

- Coordinates with thirteen Chesapeake Bay Watershed counties to develop cost effective strategies to reduce nutrient and sediment pollution utilizing the Chesapeake Assessment Scenario Tool (CAST).
- Leads county partners through BMP identification of practices that are implementable and can reduce nutrients and sediment, works with state and federal programs to credit practices that are currently miscredited or not recognized by the Chesapeake Bay Partnership.
- Collaborates with county partners on current BMP reporting standards directed by state and federal reporting processes and identifies feasibility of improving existing reporting standards to align more with local processes and resource constraints, provides recommendations to state and federal partners.
- Develops corridors of opportunity based on scientific information stemming from CAST, to identify the most cost-effective watershed to prioritize nutrient and sediment reductions.

Susquehanna River Basin Commission and PA Department of Environmental Protection

Watershed Implementation Plan Coordinator

Harrisburg, PA

September 2018 – April 2021

- Lead a multi-disciplinary team of contractors and technical experts for Pennsylvania designing cost-effective strategies to reduce nutrient and sediment pollution utilizing CAST.
- Provided oversight as the Project Manager for FieldDoc, lead local stakeholder driven changes to improve effectiveness and to match on the ground data reporting efforts, worked with state and federal programs to ensure BMP reporting was consistent and feasible with established protocols.
- Reviewed and analyzed all Bay Program BMPs to be consistent in FieldDoc so local stakeholders can successfully report on the ground efforts easily and effectively.
- Reviewed and analyzed the current standards associated with BMP lifespan, nutrient and sediment removal efficiencies, BMP definitions, reporting standards and practices not recognized as Bay Program BMPs to provide recommendations to Pennsylvania leaders to support the implementation of water quality initiatives.
- Evaluated and interpreted current programmatic, legislative and policy effectiveness and the effects changes to these policies will have on cost effectiveness, nutrient and sediment reductions consistent with the CAST.
- Lead all technical meetings related to the development of the Phase 3 WIP and CAP, answered technical questions related to the Chesapeake Bay Model, BMP practicality and definitions, BMP reporting standards and ways to improve current reporting standards.
- Presented an in-depth overview and understanding of the Chesapeake Bay Model to cabinet secretaries and lay-audiences in an effort to identify management strategies consistent with the Chesapeake Bay Model.
- Partnered with EPA Chesapeake Bay Program staff to identify feasible and practical ways for Pennsylvania to model Phase 3 WIP Initiatives and Countywide Action Plan Initiatives.
- Developed and conducted new hire training on CAST for additional staff personnel, trained staff on BMP input, understanding the Chesapeake Bay Model and reporting standards associated with BMPs reported in CAST.

Pennsylvania Department of Environmental Protection

Internship with Chesapeake Bay Office

Harrisburg, PA

May 2018 – August 2018

- Researched and recommended cost effective and implementable BMPs and management strategies from the Chesapeake Bay Model, Bay Partnership states and Bay Partnership Water Quality Goal Teams to ensure Pennsylvania is staying in standard with national water quality trends.
- Conducted Chesapeake Bay Model data analysis and cost effectiveness of management strategies for Program Supervisors and County Leaders developing the Pennsylvania Phase 3 WIP and Countywide Action Plans.
- Coordinated with Chesapeake Bay Program staff on management strategies and BMPs to help reduce nutrient and sediment loads attributing from Pennsylvania's Watersheds.