3. Applied hydrology and development

There is an important synthesis and integrity between hydrology and ecology (as well as other earth sciences) and we have recognised the increasing importance of applying an understanding and interpretation of hydrological issues within ecology-led projects to assist our clients in a variety of situations and projects. Our in-house hydrologists are adept at integrating hydrological studies to meet ecological goals, as well as undertaking more traditional hydrological surveys and research.

Solving Applied Hydrological Problems

Penny Anderson Associates Ltd. (PAA) always seeks to integrate best current scientific knowledge within a practical and achievable methodology. Based on our specialist hydrological skills and long-standing ecological experience, we have developed considerable expertise in project design and implementation, including initial scoping studies to assess the best approach to achieve the desired project goals. Over the years we have developed a significant portfolio of projects with a strong hydrological emphasis, including some long-term catchment monitoring and experimental projects. We have special expertise in upland and peatland environments.

A Multi-Disciplinary Team

Our work calls for a close collaboration between hydrology and other disciplines, primarily ecology but also geomorphology, and as such we are very used to working as part of a multi-disciplinary team and able to integrate our findings with those of associated scientists. We utilise our skilled and experienced in-house Geographic Information Systems (GIS) department to manipulate, process and test statistically hydrological data for trends and effects of interventions and to integrate the results of ecological field surveys (such as aquatic invertebrates).

